

DuPont Soybean Programs.

Trial ID: 13-24B Location: Belleville Res. Center Trial Year: 2013
Investigator: Bryan Young

Trial Status: F one-year/final Initiation Date: 7-13-13 Completion Date: 11-10-13		Trial Location
City: Belleville State/Prov.: Illinois IL Postal Code: 62221	Country: USA	

Objectives:
Evaluate Dupont preemergence herbicide programs in soybean.

Study Director: Bryan Young Organization: Southern Illinois University Address: 1205 Lincoln Drive - AG 176 - MC 4415 City+State/Prov: Carbondale IL Postal Code: 62901 Country: USA		Title: Professor Phone No.: 618-453-7679 Mobile No.: 618-713-6471 E-mail: bgyoung@siu.edu
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Crop 1: GLXMA Glycine max Soybean Variety: AG3832 BBCH Scale: BSOY Description: RR2Y		Crop Description
Planting Rate, Unit: 75 LB/A Depth, Unit: 1 IN Row Spacing, Unit: 30 IN	Planting Date: 7-13-13 Planting Method: SEEDED	

Pest Description	
Pest 1 Type: W Code: AMBTR Ambrosia trifida L. Common Name: ragweed, giant	
Pest 2 Type: W Code: IPOHE Ipomoea hederacea (L.) Jacq. Common Name: morningglory, ivyleaf	
Pest 3 Type: W Code: CYPES Cyperus esculentus L. Common Name: nutsedge, yellow	
Pest 4 Type: W Code: AMATA Amaranthus rudis Sauer Common Name: waterhemp, common	
Pest 5 Type: W Code: ABUTH Abutilon theophrasti Medik. Common Name: velvetleaf	

Treated Plot Width: 7.5 FT Total Plot Width: 10 FT Treated Plot Length: 30 FT Total Plot Length: 30 FT		Site and Design 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		
No.	Previous Crop	Year
1.	ZEAMD	2012

Maintenance	
No.	Maintenance Product Name
1.	N 0 LB/A, P2O5 50 LB/A, K2O 150 LB/A

% OM: 3 Texture: SIL silt loam pH: 6.5 Soil Name: Bethalto CEC: 12		Soil Description
Additional Measured Elements		
Element	Quantity	Unit
P1	56	lb/A
K	297	lb/A

Overall Moisture Conditions: ABONOR Closest Weather Station: ICN - Belleville IL		Moisture and Weather Conditions 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.	5-31-13	3.46	IN	RAIN	rain	2	DAY			
2.	6-2-13					7	DAY	50	80	F
3.	6-9-13					7	DAY	59	94	F
4.	6-10-13	0.48	IN	RAIN	rain	2	DAY			
5.	6-16-13					7	DAY	61	90	F
6.	6-17-13	2.16	IN	RAIN	rain	3	DAY			
7.	6-23-13	5.33	IN	RAIN	rain	2	DAY			
8.	6-23-13					7	DAY	64	92	F
9.	6-26-13	0.46	IN	RAIN	rain	1	DAY			
10.	6-29-13	0.19	IN	RAIN	rain	2	DAY			
11.	6-30-13					7	DAY	61	86	F
12.	7-2-13	2.08	IN	RAIN	rain	2	DAY			
13.	7-7-13					7	DAY	62	94	F
14.	7-10-13	0.2	IN	RAIN	rain	1	DAY			
15.	7-14-13					7	DAY	64	94	F
16.	7-15-13	0.03	IN	RAIN	rain	1	DAY			
17.	7-20-13	0.59	IN	RAIN	rain	1	DAY			
18.	7-21-13					7	DAY	56	91	F
19.	7-26-13	0.03	IN	RAIN	rain	1	DAY			
20.	7-28-13					7	DAY	52	87	F
21.	7-30-13	0.46	IN	RAIN	rain	1	DAY			
22.	8-2-13	0.24	IN	RAIN	rain	1	DAY			
23.	8-4-13					7	DAY	62	87	F
24.	8-8-13	0.03	IN	RAIN	rain	3	DAY			
25.	8-11-13					7	DAY	54	85	F
26.	8-12-13	0.57	IN	RAIN	rain	1	DAY			
27.	8-18-13	0.1	IN	RAIN	rain	1	DAY			
28.	8-18-13					7	DAY	61	91	F
29.	8-25-13					7	DAY	62	100	F
30.	8-31-13	0.74	IN	RAIN	rain	1	DAY			
31.	9-1-13					7	DAY	57	92	F
32.	9-8-13	0.26	IN	RAIN	rain	1	DAY			

Application Description

	A	B
Application Date:	7-14-13	8-7-13
Appl. Start Time:	9:30	10:00
Appl. Stop Time:	10:00	10:30
Application Method:	Spray	Spray
Application Timing:	PRE	POST
Application Placement:	BROSOI	BROFOL
Applied By:	RJW	NTH
Air Temperature, Unit:	81 F	77 F
% Relative Humidity:	69	94
Wind Velocity, Unit:	4 MPH	3 MPH
Wind Direction:	N	NE
Dew Presence (Y/N):	N	N
Soil Temperature, Unit:	77 F	75 F
Soil Moisture:	NORMAL	NORMAL
% Cloud Cover:	0	70
Next Moisture Occurred On:	7-20-13	8-8-13
Time to Next Moisture, Unit:	6 DAY	1 DAY

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	A	B
Crop 1 Code, BBCH Scale:	GLXMA	GLXMA
Stage Scale Used:	DESC	DESC
Stage Majority, Percent:	NA	V5
Stage Minimum, Percent:		V4
Stage Maximum, Percent:		V5
Height, Unit:		14 IN
Height Minimum, Maximum:		10 14

Pest Stage At Each Application

	A	B
Pest 1 Code, Type, Scale:	AMBTR W	AMBTR W
Stage Majority, Percent:	NA	6
Stage Minimum, Percent:		COTY
Stage Maximum, Percent:		10
Height, Unit:		6 IN
Height Minimum, Maximum:		0.5 12
Density, Unit:		1 FT2
Pest 2 Code, Type, Scale:	IPOHE W	IPOHE W
Stage Majority, Percent:	NA	8
Stage Minimum, Percent:		COTY
Stage Maximum, Percent:		20
Height, Unit:		4 IN
Height Minimum, Maximum:		0.5 14
Density, Unit:		1 FT2
Pest 3 Code, Type, Scale:	CYPES W	CYPES W
Stage Majority, Percent:	NA	10
Stage Minimum, Percent:		6
Stage Maximum, Percent:		18
Height, Unit:		8 IN
Height Minimum, Maximum:		4 14
Density, Unit:		4 FT2
Pest 4 Code, Type, Scale:	AMATA W	AMATA W
Stage Majority, Percent:	NA	NA
Pest 5 Code, Type, Scale:	ABUTH W	ABUTH W
Stage Majority, Percent:	NA	NA

Application Equipment

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

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Pest Code Crop Code Rating Date Rating Type Rating Unit Rating Timing Trt-Eval Interval									GLXMA 11-10-13 Moisture Percent	GLXMA 11-10-13 Test wt. lb/bu	GLXMA 11-10-13 Yield bu/A	GLXMA 8-7-13 Injury Percent 0 DA-B	GLXMA 9-8-13 Injury Percent 32 DA-B	GLXMA 9-8-13 Injury Percent No POST	
												24 DA-A	56 DA-A	56 DA-A	
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Rate Unit	Other Rate	Other Rate	Growth Unit Stage	Appl Code						
1	ENVIVE SENCOR ABUNDIT EXTRA N-PAK AMS	41.3 75 3 100	WG WG SL SL	0.103 lb ai/a 0.188 lb ai/a 0.75 lb ae/a 2.5 % v/v	ai/a ai/a ae/a v/v	4 oz/a 4 oz/a 1 qt/a 2.5 % v/v		PRE PRE POST POST	A A B B	13.5 a	57.0 a	46 ab	2 cd	0 a	0
2	ENVIVE SENCOR ABUNDIT EXTRA N-PAK AMS	41.3 75 3 100	WG WG SL SL	0.129 lb ai/a 0.234 lb ai/a 0.75 lb ae/a 2.5 % v/v	ai/a ai/a ae/a v/v	5 oz/a 5 oz/a 1 qt/a 2.5 % v/v		PRE PRE POST POST	A A B B	13.6 a	56.9 a	48 a	2 cd	0 a	0
3	CANOPY CINCH ABUNDIT EXTRA N-PAK AMS	75 7.64 3 100	WG SC SL SL	0.188 lb ai/a 0.955 lb ai/a 0.75 lb ae/a 2.5 % v/v	ai/a ai/a ae/a v/v	4 oz/a 1 pt/a 1 qt/a 2.5 % v/v		PRE PRE POST POST	A A B B	13.4 a	57.0 a	42 b	1 de	0 a	0
4	DPX-R5W13 ABUNDIT EXTRA N-PAK AMS	61.3 3 100	WG SL SL	0.307 lb ai/a 0.75 lb ae/a 2.5 % v/v	ai/a ae/a v/v	8 oz/a 1 qt/a 2.5 % v/v		PRE POST POST	A B B	13.5 a	56.9 a	46 ab	2 cd	0 a	0
5	ENVIVE ABUNDIT EXTRA N-PAK AMS	41.3 3 100	WG SL SL	0.103 lb ai/a 0.75 lb ae/a 2.5 % v/v	ai/a ae/a v/v	4 oz/a 1 qt/a 2.5 % v/v		PRE POST POST	A B B	13.6 a	56.9 a	47 ab	1 de	0 a	0
6	ENVIVE ZIDUA ABUNDIT EXTRA N-PAK AMS	41.3 85 3 100	WG WG SL SL	0.103 lb ai/a 0.106 lb ai/a 0.75 lb ae/a 2.5 % v/v	ai/a ai/a ae/a v/v	4 oz/a 2 oz/a 1 qt/a 2.5 % v/v		PRE PRE POST POST	A A B B	13.6 a	56.9 a	46 ab	1 de	0 a	0
7	ENVIVE SENCOR ZIDUA ABUNDIT EXTRA N-PAK AMS	41.3 75 85 3 100	WG WG WG SL SL	0.103 lb ai/a 0.188 lb ai/a 0.08 lb ai/a 0.75 lb ae/a 2.5 % v/v	ai/a ai/a ai/a ae/a v/v	4 oz/a 4 oz/a 1.5 oz/a 1 qt/a 2.5 % v/v		PRE PRE PRE POST POST	A A A B B	13.6 a	56.9 a	43 ab	3 b	0 a	0
8	ENVIVE SENCOR ABUNDIT EXTRA CINCH N-PAK AMS	41.3 75 3 7.64 100	WG WG SL SC SL	0.103 lb ai/a 0.188 lb ai/a 0.75 lb ae/a 0.955 lb ai/a 2.5 % v/v	ai/a ai/a ae/a ai/a v/v	4 oz/a 4 oz/a 1 qt/a 1 pt/a 2.5 % v/v		PRE PRE POST POST POST	A A B B B	13.5 a	56.9 a	44 ab	2 bcd	0 a	0
9	ENVIVE SENCOR ZIDUA ABUNDIT EXTRA N-PAK AMS	41.3 75 85 3 100	WG WG WG SL SL	0.103 lb ai/a 0.188 lb ai/a 0.106 lb ai/a 0.75 lb ae/a 2.5 % v/v	ai/a ai/a ai/a ae/a v/v	4 oz/a 4 oz/a 2 oz/a 1 qt/a 2.5 % v/v		PRE PRE PRE POST POST	A A A B B	13.6 a	56.9 a	44 ab	5 a	0 a	0
10	PREFIX CANOPY ABUNDIT EXTRA N-PAK AMS	5.29 75 3 100	EC WG SL SL	1.32 lb ai/a 0.188 lb ai/a 0.75 lb ae/a 2.5 % v/v	ai/a ai/a ae/a v/v	1 qt/a 4 oz/a 1 qt/a 2.5 % v/v		PRE PRE POST POST	A A B B	13.5 a	56.9 a	46 ab	2 bcd	0 a	0
11	MATADOR CANOPY ABUNDIT EXTRA N-PAK AMS	4.7 75 3 100	SC WG SL SL	1.76 lb ai/a 0.14 lb ai/a 0.75 lb ae/a 2.5 % v/v	ai/a ai/a ae/a v/v	3 pt/a 3 oz/a 1 qt/a 2.5 % v/v		PRE PRE POST POST	A A B B	13.4 a	57.0 a	43 ab	0 e	0 a	0
12	INTIMIDATOR CANOPY ABUNDIT EXTRA N-PAK AMS	4.81 75 3 100	SL WG SL SL	1.2 lb ai/a 0.14 lb ai/a 0.75 lb ae/a 2.5 % v/v	ai/a ai/a ae/a v/v	1 qt/a 3 oz/a 1 qt/a 2.5 % v/v		PRE PRE POST POST	A A B B	13.4 a	57.0 a	48 ab	3 bc	0 a	0

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 Rating Type Rating Unit Rating Timing										AMBTR	AMBTR	AMBTR	IPOHE	IPOHE	IPOHE
Trt-Eval Interval										8-7-13 Control Percent 0 DA-B	9-8-13 Control Percent 32 DA-B	9-8-13 Control Percent No POST	8-7-13 Control Percent 0 DA-B	9-8-13 Control Percent 32 DA-B	9-8-13 Control Percent No POST
Trt Treatment										24 DA-A	56 DA-A	56 DA-A	24 DA-A	56 DA-A	56 DA-A
No.	Name	Form	Form Conc Type	Rate Rate Unit	Other Rate Rate Unit	Other Rate Rate Unit	Growth Stage	Appl Code							
1	ENVIVE SENCOR ABUNDIT EXTRA N-PAK AMS	41.3 WG 75 WG 3 SL 100 SL	0.103 lb ai/a 0.188 lb ai/a 0.75 lb ae/a 2.5 % v/v	4 oz/a 4 oz/a 1 qt/a 2.5 % v/v	PRE PRE POST POST	A A B B	77 bc	99 a	10	88 ab	95 abc	50			
2	ENVIVE SENCOR ABUNDIT EXTRA N-PAK AMS	41.3 WG 75 WG 3 SL 100 SL	0.129 lb ai/a 0.234 lb ai/a 0.75 lb ae/a 2.5 % v/v	5 oz/a 5 oz/a 1 qt/a 2.5 % v/v	PRE PRE POST POST	A A B B	88 a	97 b	15	94 a	96 ab	55			
3	CANOPY CINCH ABUNDIT EXTRA N-PAK AMS	75 WG 7.64 SC 3 SL 100 SL	0.188 lb ai/a 0.955 lb ai/a 0.75 lb ae/a 2.5 % v/v	4 oz/a 1 pt/a 1 qt/a 2.5 % v/v	PRE PRE POST POST	A A B B	39 e	98 ab	15	87 ab	94 abc	50			
4	DPX-R5W13 ABUNDIT EXTRA N-PAK AMS	61.3 WG 3 SL 100 SL	0.307 lb ai/a 0.75 lb ae/a 2.5 % v/v	8 oz/a 1 qt/a 2.5 % v/v	PRE POST POST	A B B	78 abc	98 ab	40	90 ab	93 abc	50			
5	ENVIVE ABUNDIT EXTRA N-PAK AMS	41.3 WG 3 SL 100 SL	0.103 lb ai/a 0.75 lb ae/a 2.5 % v/v	4 oz/a 1 qt/a 2.5 % v/v	PRE POST POST	A B B	78 abc	98 ab	65	88 ab	93 abc	40			
6	ENVIVE ZIDUA ABUNDIT EXTRA N-PAK AMS	41.3 WG 85 WG 3 SL 100 SL	0.103 lb ai/a 0.106 lb ai/a 0.75 lb ae/a 2.5 % v/v	4 oz/a 2 oz/a 1 qt/a 2.5 % v/v	PRE PRE POST POST	A A B B	80 abc	98 ab	50	85 bc	90 c	70			
7	ENVIVE SENCOR ZIDUA ABUNDIT EXTRA N-PAK AMS	41.3 WG 75 WG 85 WG 3 SL 100 SL	0.103 lb ai/a 0.188 lb ai/a 0.08 lb ai/a 0.75 lb ae/a 2.5 % v/v	4 oz/a 4 oz/a 1.5 oz/a 1 qt/a 2.5 % v/v	PRE PRE PRE POST POST	A A A B B	85 abc	98 ab	50	90 ab	91 abc	70			
8	ENVIVE SENCOR ABUNDIT EXTRA CINCH N-PAK AMS	41.3 WG 75 WG 3 SL 7.64 SC 100 SL	0.103 lb ai/a 0.188 lb ai/a 0.75 lb ae/a 0.955 lb ai/a 2.5 % v/v	4 oz/a 4 oz/a 1 qt/a 1 pt/a 2.5 % v/v	PRE PRE POST POST POST	A A B B B	75 cd	98 ab	20	87 ab	95 abc	65			
9	ENVIVE SENCOR ZIDUA ABUNDIT EXTRA N-PAK AMS	41.3 WG 75 WG 85 WG 3 SL 100 SL	0.103 lb ai/a 0.188 lb ai/a 0.106 lb ai/a 0.75 lb ae/a 2.5 % v/v	4 oz/a 4 oz/a 2 oz/a 1 qt/a 2.5 % v/v	PRE PRE PRE POST POST	A A A B B	80 abc	97 b	40	89 ab	96 a	65			
10	PREFIX CANOPY ABUNDIT EXTRA N-PAK AMS	5.29 EC 75 WG 3 SL 100 SL	1.32 lb ai/a 0.188 lb ai/a 0.75 lb ae/a 2.5 % v/v	1 qt/a 4 oz/a 1 qt/a 2.5 % v/v	PRE PRE POST POST	A A B B	66 d	99 a	55	74 d	96 a	40			
11	MATADOR CANOPY ABUNDIT EXTRA N-PAK AMS	4.7 SC 75 WG 3 SL 100 SL	1.76 lb ai/a 0.14 lb ai/a 0.75 lb ae/a 2.5 % v/v	3 pt/a 3 oz/a 1 qt/a 2.5 % v/v	PRE PRE POST POST	A A B B	40 e	99 a	0	76 cd	94 abc	60			
12	INTIMIDATOR CANOPY ABUNDIT EXTRA N-PAK AMS	4.81 SL 75 WG 3 SL 100 SL	1.2 lb ai/a 0.14 lb ai/a 0.75 lb ae/a 2.5 % v/v	1 qt/a 3 oz/a 1 qt/a 2.5 % v/v	PRE PRE POST POST	A A B B	79 abc	99 a	50	78 cd	91 bc	60			

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Pest Code								AMBTR	AMBTR	AMBTR	IPOHE	IPOHE	IPOHE
Crop Code								8-7-13	9-8-13	9-8-13	8-7-13	9-8-13	9-8-13
Rating Date								Control	Control	Control	Control	Control	Control
Rating Type								Percent	Percent	Percent	Percent	Percent	Percent
Rating Unit								0 DA-B	32 DA-B	No POST	0 DA-B	32 DA-B	No POST
Rating Timing													
Trt-Eval Interval								24 DA-A	56 DA-A	56 DA-A	24 DA-A	56 DA-A	56 DA-A
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Unit Unit	Other Rate	Other Rate	Growth Unit	Appl Stage	Code			
13	PREFIX	5.29	EC	1.32	lb ai/a	1	qt/a	PRE	A		86 ab	98 ab	50
	SCEPTER	70	WG	0.123	lb ai/a	2.8	oz/a	PRE	A				70 d
	ABUNDIT EXTRA	3	SL	0.75	lb ae/a	1	qt/a	POST	B				96 a
	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	POST	B				60
14	NONTREATED										0 f	0 c	0
											0 e	0 d	0
LSD (P=.05)											10.3	1.3	8.6
Standard Deviation											7.2	0.8	5.1
CV											10.65	0.88	6.0
													3.0
													7.67
													3.48
Replicate F											5.188	1.436	8.251
Replicate Prob(F)											0.0041	0.2561	0.561
Treatment F											47.161	3200.139	0.0002
Treatment Prob(F)											0.0001	0.0001	0.5777
													61.880
													206.588
													0.0001

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Pest Code Crop Code Rating Date Rating Type Rating Unit Rating Timing Trt-Eval Interval							CYPES	CYPES	CYPES	AMATA	AMATA	AMATA
							8-7-13 Control Percent 0 DA-B 24 DA-A	9-8-13 Control Percent 32 DA-B 56 DA-A	9-8-13 Control Percent No POST 56 DA-A	8-7-13 Control Percent 0 DA-B 24 DA-A	9-8-13 Control Percent 32 DA-B 56 DA-A	9-8-13 Control Percent No POST 56 DA-A
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Rate Unit	Other Rate	Other Rate	Growth Unit	Stage	Appl Code		
1	ENVIVE SENCOR ABUNDIT EXTRA N-PAK AMS	41.3 WG 75 WG 3 SL 100 SL	WG WG SL SL	0.103 lb ai/a 0.188 lb ai/a 0.75 lb ae/a 2.5 % v/v	ai/a ai/a ae/a v/v	4 oz/a 4 oz/a 1 qt/a 2.5 % v/v	oz/a oz/a qt/a v/v	PRE PRE POST POST	A A B B	82 c	97 a	80
2	ENVIVE SENCOR ABUNDIT EXTRA N-PAK AMS	41.3 WG 75 WG 3 SL 100 SL	WG WG SL SL	0.129 lb ai/a 0.234 lb ai/a 0.75 lb ae/a 2.5 % v/v	ai/a ai/a ae/a v/v	5 oz/a 5 oz/a 1 qt/a 2.5 % v/v	oz/a oz/a qt/a v/v	PRE PRE POST POST	A A B B	91 ab	96 ab	70
3	CANOPY CINCH ABUNDIT EXTRA N-PAK AMS	75 WG 7.64 SC 3 SL 100 SL	WG SC SL SL	0.188 lb ai/a 0.955 lb ai/a 0.75 lb ae/a 2.5 % v/v	ai/a ai/a ae/a v/v	4 oz/a 1 pt/a 1 qt/a 2.5 % v/v	oz/a pt/a qt/a v/v	PRE PRE POST POST	A A B B	93 ab	96 ab	65
4	DPX-R5W13 ABUNDIT EXTRA N-PAK AMS	61.3 WG 3 SL 100 SL	WG SL SL	0.307 lb ai/a 0.75 lb ae/a 2.5 % v/v	ai/a ae/a v/v	8 oz/a 1 qt/a 2.5 % v/v	oz/a qt/a v/v	PRE POST POST	A B B	84 bc	95 ab	70
5	ENVIVE ABUNDIT EXTRA N-PAK AMS	41.3 WG 3 SL 100 SL	WG SL SL	0.103 lb ai/a 0.75 lb ae/a 2.5 % v/v	ai/a ae/a v/v	4 oz/a 1 qt/a 2.5 % v/v	oz/a qt/a v/v	PRE POST POST	A B B	90 abc	95 ab	70
6	ENVIVE ZIDUA ABUNDIT EXTRA N-PAK AMS	41.3 WG 85 WG 3 SL 100 SL	WG WG SL SL	0.103 lb ai/a 0.106 lb ai/a 0.75 lb ae/a 2.5 % v/v	ai/a ai/a ae/a v/v	4 oz/a 2 oz/a 1 qt/a 2.5 % v/v	oz/a oz/a qt/a v/v	PRE PRE POST POST	A A B B	91 ab	94 b	70
7	ENVIVE SENCOR ZIDUA ABUNDIT EXTRA N-PAK AMS	41.3 WG 75 WG 85 WG 3 SL 100 SL	WG WG WG SL SL	0.103 lb ai/a 0.188 lb ai/a 0.106 lb ai/a 0.75 lb ae/a 2.5 % v/v	ai/a ai/a ai/a ae/a v/v	4 oz/a 4 oz/a 1.5 oz/a 1 qt/a 2.5 % v/v	oz/a oz/a oz/a qt/a v/v	PRE PRE PRE POST POST	A A A B B	94 a	96 ab	80
8	ENVIVE SENCOR ABUNDIT EXTRA CINCH N-PAK AMS	41.3 WG 75 WG 3 SL 7.64 SC 100 SL	WG WG SL SC SL	0.103 lb ai/a 0.188 lb ai/a 0.75 lb ae/a 0.955 lb ai/a 2.5 % v/v	ai/a ai/a ae/a ai/a v/v	4 oz/a 4 oz/a 1 qt/a 1 pt/a 2.5 % v/v	oz/a oz/a qt/a pt/a v/v	PRE PRE POST POST POST	A A B B B	88 abc	95 ab	80
9	ENVIVE SENCOR ZIDUA ABUNDIT EXTRA N-PAK AMS	41.3 WG 75 WG 85 WG 3 SL 100 SL	WG WG WG SL SL	0.103 lb ai/a 0.188 lb ai/a 0.106 lb ai/a 0.75 lb ae/a 2.5 % v/v	ai/a ai/a ai/a ae/a v/v	4 oz/a 4 oz/a 2 oz/a 1 qt/a 2.5 % v/v	oz/a oz/a oz/a qt/a v/v	PRE PRE PRE POST POST	A A A B B	95 a	97 ab	90
10	PREFIX CANOPY ABUNDIT EXTRA N-PAK AMS	5.29 EC 75 WG 3 SL 100 SL	EC WG SL SL	1.32 lb ai/a 0.188 lb ai/a 0.75 lb ae/a 2.5 % v/v	ai/a ai/a ae/a v/v	1 qt/a 4 oz/a 1 qt/a 2.5 % v/v	qt/a oz/a qt/a v/v	PRE PRE POST POST	A A B B	97 a	96 ab	97
11	MATADOR CANOPY ABUNDIT EXTRA N-PAK AMS	4.7 SC 75 WG 3 SL 100 SL	SC WG SL SL	1.76 lb ai/a 0.14 lb ai/a 0.75 lb ae/a 2.5 % v/v	ai/a ai/a ae/a v/v	3 pt/a 3 oz/a 1 qt/a 2.5 % v/v	pt/a oz/a qt/a v/v	PRE PRE POST POST	A A B B	96 a	96 ab	93
12	INTIMIDATOR CANOPY ABUNDIT EXTRA N-PAK AMS	4.81 SL 75 WG 3 SL 100 SL	SL WG SL SL	1.2 lb ai/a 0.14 lb ai/a 0.75 lb ae/a 2.5 % v/v	ai/a ai/a ae/a v/v	1 qt/a 3 oz/a 1 qt/a 2.5 % v/v	qt/a oz/a qt/a v/v	PRE PRE POST POST	A A B B	93 a	96 ab	95

Southern Illinois University

DuPont Soybean Programs.

Trial ID: 13-24B Location: Belleville Res. Center Trial Year: 2013
Investigator: Bryan Young

Pest Code								CYPES	CYPES	CYPES	AMATA	AMATA	AMATA
Crop Code								8-7-13	9-8-13	9-8-13	8-7-13	9-8-13	9-8-13
Rating Date								Control	Control	Control	Control	Control	Control
Rating Type								Percent	Percent	Percent	Percent	Percent	Percent
Rating Unit								0 DA-B	32 DA-B	No POST	0 DA-B	32 DA-B	No POST
Rating Timing								24 DA-A	56 DA-A	56 DA-A	24 DA-A	56 DA-A	56 DA-A
Trt-Eval Interval													
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Unit Unit	Other Rate	Other Rate	Growth Unit	Stage	Appl Code			
13	PREFIX	5.29	EC	1.32	lb ai/a	1	qt/a	PRE	A	A	96 a	96 ab	93
	SCEPTER	70	WG	0.123	lb ai/a	2.8	oz/a	PRE	A	A			
	ABUNDIT EXTRA	3	SL	0.75	lb ae/a	1	qt/a	POST	B	B			
	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	POST	B	B			
14	NONTREATED										0 d	0 c	0
LSD (P=.05)								8.9	2.4	.	0.4	0.0	.
Standard Deviation								6.2	1.4	.	0.3	0.0	.
CV								7.35	1.59	.	0.33	0.0	.
Replicate F								0.027	2.333		0.719	0.000	
Replicate Prob(F)								0.9937	0.1169		0.5469	1.0000	
Treatment F								63.275	982.426		30697.887	0.000	
Treatment Prob(F)								0.0001	0.0001		0.0001	1.0000	

Southern Illinois University

DuPont Soybean Programs.

Trial ID: 13-24B Location: Belleville Res. Center Trial Year: 2013
Investigator: Bryan Young

Pest Code Crop Code Rating Date Rating Type Rating Unit Rating Timing Trt-Eval Interval							ABUTH 8-7-13 Control Percent 0 DA-B 24 DA-A	ABUTH 9-8-13 Control Percent 32 DA-B 56 DA-A	ABUTH 9-8-13 Control Percent No POST 56 DA-A
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Rate Unit	Other Rate	Other Unit	Growth Stage	Appl Code
1	ENVIVE SENCOR ABUNDIT EXTRA N-PAK AMS	41.3 75 3 100	WG WG SL SL	0.103 0.188 0.75 2.5	lb ai/a lb ai/a lb ae/a % v/v	4 4 1 2.5	oz/a oz/a qt/a v/v	PRE PRE POST POST	A A B B
2	ENVIVE SENCOR ABUNDIT EXTRA N-PAK AMS	41.3 75 3 100	WG WG SL SL	0.129 0.234 0.75 2.5	lb ai/a lb ai/a lb ae/a % v/v	5 5 1 2.5	oz/a oz/a qt/a v/v	PRE PRE POST POST	A A B B
3	CANOPY CINCH ABUNDIT EXTRA N-PAK AMS	75 7.64 3 100	WG SC SL SL	0.188 0.955 0.75 2.5	lb ai/a lb ai/a lb ae/a % v/v	4 1 1 2.5	oz/a pt/a qt/a v/v	PRE PRE POST POST	A A B B
4	DPX-R5W13 ABUNDIT EXTRA N-PAK AMS	61.3 3 100	WG SL SL	0.307 0.75 2.5	lb ai/a lb ae/a % v/v	8 1 2.5	oz/a qt/a v/v	PRE POST POST	A B B
5	ENVIVE ABUNDIT EXTRA N-PAK AMS	41.3 3 100	WG SL SL	0.103 0.75 2.5	lb ai/a lb ae/a % v/v	4 1 2.5	oz/a qt/a v/v	PRE POST POST	A B B
6	ENVIVE ZIDUA ABUNDIT EXTRA N-PAK AMS	41.3 85 3 100	WG WG SL SL	0.103 0.106 0.75 2.5	lb ai/a lb ai/a lb ae/a % v/v	4 2 1 2.5	oz/a oz/a qt/a v/v	PRE PRE POST POST	A A B B
7	ENVIVE SENCOR ZIDUA ABUNDIT EXTRA N-PAK AMS	41.3 75 85 3 100	WG WG WG SL SL	0.103 0.188 0.188 0.75 2.5	lb ai/a lb ai/a lb ai/a lb ae/a % v/v	4 4 1.5 1 2.5	oz/a oz/a oz/a qt/a v/v	PRE PRE PRE POST POST	A A A B B
8	ENVIVE SENCOR ABUNDIT EXTRA CINCH N-PAK AMS	41.3 75 3 7.64 100	WG WG SL SC SL	0.103 0.188 0.75 0.955 2.5	lb ai/a lb ai/a lb ae/a lb ai/a % v/v	4 4 1 1 2.5	oz/a oz/a qt/a pt/a v/v	PRE PRE POST POST POST	A A B B B
9	ENVIVE SENCOR ZIDUA ABUNDIT EXTRA N-PAK AMS	41.3 75 85 3 100	WG WG WG SL SL	0.103 0.188 0.106 0.75 2.5	lb ai/a lb ai/a lb ai/a lb ae/a % v/v	4 4 2 1 2.5	oz/a oz/a oz/a qt/a v/v	PRE PRE PRE POST POST	A A A B B
10	PREFIX CANOPY ABUNDIT EXTRA N-PAK AMS	5.29 75 3 100	EC WG SL SL	1.32 0.188 0.75 2.5	lb ai/a lb ai/a lb ae/a % v/v	1 4 1 2.5	qt/a oz/a qt/a v/v	PRE PRE POST POST	A A B B
11	MATADOR CANOPY ABUNDIT EXTRA N-PAK AMS	4.7 75 3 100	SC WG SL SL	1.76 0.14 0.75 2.5	lb ai/a lb ai/a lb ae/a % v/v	3 3 1 2.5	pt/a oz/a qt/a v/v	PRE PRE POST POST	A A B B
12	INTIMIDATOR CANOPY ABUNDIT EXTRA N-PAK AMS	4.81 75 3 100	SL WG SL SL	1.2 0.14 0.75 2.5	lb ai/a lb ai/a lb ae/a % v/v	1 3 1 2.5	qt/a oz/a qt/a v/v	PRE PRE POST POST	A A B B

Southern Illinois University

DuPont Soybean Programs.

Trial ID: 13-24B Location: Belleville Res. Center Trial Year: 2013
Investigator: Bryan Young

Pest Code									ABUTH	ABUTH	ABUTH
Crop Code									8-7-13	9-8-13	9-8-13
Rating Date									Control	Control	Control
Rating Type									Percent	Percent	Percent
Rating Unit									0 DA-B	32 DA-B	No POST
Rating Timing									24 DA-A	56 DA-A	56 DA-A
Trt-Eval Interval											
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Unit Unit	Other Rate	Other Rate	Growth Unit Stage	Appl Code		
13	PREFIX	5.29	EC	1.32	lb ai/a	1	qt/a	PRE	A	99 a	98 ab
	SCEPTER	70	WG	0.123	lb ai/a	2.8	oz/a	PRE	A		
	ABUNDIT EXTRA	3	SL	0.75	lb ae/a	1	qt/a	POST	B		
	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	POST	B		
14	NONTREATED									0 a	0 c
											0
	LSD (P=.05)									0.0	1.4
	Standard Deviation									0.0	0.9
	CV									0.0	0.93
	Replicate F									0.000	0.823
	Replicate Prob(F)									1.0000	0.4503
	Treatment F									0.000	2862.605
	Treatment Prob(F)									1.0000	0.0001

DuPont Soybean Programs.

Trial ID: 13-24B Location: Belleville Res. Center Trial Year: 2013
Investigator: Bryan Young

Trial Comments

1. Protocol: Dupont.
2. Ratings: CI/WC at 28 and 56 DA-A.
3. POST application B to be made to reps 1-3 only.
4. Blanket application of Aproach (6 floz/A) plus Asana (9.6 floz/A) to be applied at R3 to all plots 10 ft wide.
5. Yield.
6. Following the PRE application the first rainfall event, beginning 6 days later, was 0.59 inch over 1 day.
7. Soybean injury was slight stunting.
8. Harvested 11-10-13, (2) 30 inch rows by 27 ft.