

BASF Advanced Acre - Corn.

Trial ID: 14-50W Location: Belleville Res. Center Trial Year: 2014
Investigator: Ronald F. Krausz

Trial Status: F one-year/final	
Initiation Date: 5-29-14	
Completion Date: 10-20-14	
Trial Location	
City: Belleville	Country: USA
State/Prov.: Illinois IL	
Postal Code: 62221	

Objectives: Evaluate BASF high yield programs.
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Study Director: Ronald F. Krausz	Contacts
Organization: Belleville Research Center - Southern Illinois Univ Carbondale	Title: Researcher/Farm Manager
Address: 2036 Charles Lane	Phone No.: 618-566-4761
City+State/Prov: Belleville, IL	E-mail: rkrausz@siu.edu
Postal Code: 62221	
Country: USA	

Crop Description	
Crop 1: ZEAMD Zea mays indentata	Dent corn
Variety: DKC 62-97	BBCH Scale: BCOR
Description: RR	
Planting Rate, Unit: 36000 S/A	Planting Date: 5-29-14
Depth, Unit: 1.5 IN	Planting Method: SEEDED
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: AMATA Amaranthus rudis Sauer
Common Name: waterhemp, common	
Pest 4 Type: W	Code: IPOHE Ipomoea hederacea (L.) Jacq.
Common Name: morningglory, ivyleaf	
Pest 5 Type: D	Code: CERCZM Cercospora zeae-maydis
Common Name: Grey leaf spot of maize	

Site and Design	
Treated Plot Width: 10 FT	Total Plot Width: 10 FT
Treated Plot Length: 40 FT	Total Plot Length: 40 FT
Site Type: FIELD	Experimental Unit: 1 PLOT
Replications: 4	Tillage Type: REDTIL reduced-till
Untreated Arrangement: INCLUDED single control randomized in each block	
Study Design: RACOB L Randomized Complete Block (RCB)	
No.	Previous Crop
1.	GLXMA
	2013

Maintenance	
No.	Maintenance Product Name
1.	N 150 LB/A, P2O5 50 LB/A, K2O 150 LB/A
2.	-

Soil Description		
% OM: 2.7	Texture: SIL silt loam	
pH: 6.8	Soil Name: Pierron	
CEC: 9		
Additional Measured Elements		
Element	Quantity	Unit
P1	54	lb/A
K	262	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.	4-29-14					7	DAY	41	87	F
2.	5-6-14					7	DAY	56	86	F
3.	5-8-14	0.13	IN	RAIN	rain	2	DAY			
4.	5-12-14	0.88	IN	RAIN	rain	4	DAY			
5.	5-13-14					7	DAY	37	76	F
6.	5-20-14					7	DAY	55	87	F
7.	5-21-14	0.06	IN	RAIN	rain	1	DAY			
8.	5-25-14	0.49	IN	RAIN	rain	2	DAY			
9.	5-27-14	0.08	IN	RAIN	rain	2	DAY			
10.	5-27-14					7	DAY	60	86	F
11.	5-31-14	0.14	IN	RAIN	rain	1	DAY			
12.	6-1-14	0.13	IN	RAIN	rain	1	DAY			
13.	6-3-14					7	DAY	59	90	F
14.	6-4-14	0.67	IN	RAIN	rain	1	DAY			
15.	6-7-14	0.6	IN	RAIN	rain	1	DAY			
16.	6-9-14	1.38	IN	RAIN	rain	2	DAY			
17.	6-10-14					7	DAY	51	90	F
18.	6-12-14	0.07	IN	RAIN	rain	1	DAY			
19.	6-15-14	0.02	IN	RAIN	rain	1	DAY			
20.	6-17-14					7	DAY	67	92	F
21.	6-20-14	2.09	IN	RAIN	rain	5	DAY			
22.	6-24-14					7	DAY	65	91	F
23.	6-27-14	0.11	IN	RAIN	rain	2	DAY			
24.	7-1-14	0.01	IN	RAIN	rain	1	DAY			
25.	7-1-14					7	DAY	55	90	F
26.	7-7-14	0.79	IN	RAIN	rain	2	DAY			
27.	7-8-14					7	DAY	59	89	F
28.	7-12-14	0.49	IN	RAIN	rain	3	DAY			
29.	7-15-14					7	DAY	54	85	F
30.	7-22-14					7	DAY	57	98	F
31.	7-25-14	0.02	IN	RAIN	rain	1	DAY			
32.	7-29-14					7	DAY	52	89	F
33.	8-1-14	0.04	IN	RAIN	rain	1	DAY			
34.	8-5-14	4.04	IN	RAIN	rain	4	DAY			
35.	8-5-14					7	DAY	66	88	F
36.	8-12-14					7	DAY	57	84	F
37.	8-15-14	1.21	IN	RAIN	rain	3	DAY			
38.	8-19-14					7	DAY	67	95	F
39.	8-20-14	0.11	IN	RAIN	rain	1	DAY			
40.	8-27-14	1.56	IN	RAIN	rain	2	DAY			
41.	9-1-14	2.21	IN	RAIN	rain	2	DAY			
42.	9-2-14					7	DAY	54	93	F
43.	9-5-14	0.24	IN	RAIN	rain	1	DAY			
44.	9-9-14					7	DAY	45	85	F
45.	9-10-14	1.06	IN	RAIN	rain	1	DAY			
46.	9-16-14					7	DAY	46	86	F
47.	9-23-14					7	DAY	46	86	F
48.	9-30-14					7	DAY	37	87	F
49.	10-1-14	0.99	IN	RAIN	rain	3	DAY			
50.	10-6-14	0.31	IN	RAIN	rain	2	DAY			
51.	10-7-14					7	DAY	46	77	F
52.	10-9-14	1.44	IN	RAIN	rain	2	DAY			
53.	10-12-14	1.24	IN	RAIN	rain	3	DAY			
54.	10-14-14					7	DAY	37	73	F
55.	10-21-14					7	DAY	36	82	F

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Application Description					
	A	B	C	D	E
Application Date:	5-31-14	6-15-14	6-19-14	7-2-14	7-25-14
Appl. Start Time:	13:15	8:00	16:00	8 00	12:00
Appl. Stop Time:	13:30	8:30	16:30	8:30	12:30
Application Method:	Spray	Spray	Spray	Spray	Spray
Application Timing:	PRE	2-4"W-1	2-4"W-2	V8	VT
Application Placement:	BROSOI	BROFOL	BROFOL	BROFOL	BROFOL
Applied By:	RFK	RFK	LXF	RFK	RFK
Air Temperature, Unit:	85 F	74 F	92 F	71 F	72 F
% Relative Humidity:	63	71	50	68	73
Wind Velocity, Unit:	6 MPH	4 MPH	4 MPH	4 MPH	0 MPH
Wind Direction:	E	S	S	N	
Dew Presence (Y/N):	N	N	N	N	N
Soil Temperature, Unit:	72 F	71 F	77 F	76 F	72 F
Soil Moisture:	NORMAL	ABONOR	NORMAL	NORMAL	BELNOR
% Cloud Cover:	90	0	25	0	0
Next Moisture Occurred On:	5-31-14	6-20-14	6-20-14	7-7-14	8-1-14
Time to Next Moisture, Unit:	1 DAY	5 DAY	23 HR	5 DAY	7 DAY

Crop Stage At Each Application					
	A	B	C	D	E
Crop 1 Code, BBCH Scale:	ZEAMD	ZEAMD	ZEAMD	ZEAMD	ZEAMD
Stage Scale Used:	DESC	DESC	DESC	DESC	DESC
Stage Majority, Percent:	NA	V4	V5	V8	VT
Stage Minimum, Percent:		V3	V4	V8	VT
Stage Maximum, Percent:		V4	V5	V8	VT
Height, Unit:		8 IN	10 IN	40 IN	144 IN
Height Minimum, Maximum:		6 8	8 10	38 40	120 144

Pest Stage At Each Application					
	A	B	C	D	E
Pest 1 Code, Type, Scale:	PANDI W	PANDI W	PANDI W	PANDI W	PANDI W
Stage Majority, Percent:	NA	6	6	NA	NA
Stage Minimum, Percent:		5	3		
Stage Maximum, Percent:		6	7		
Height, Unit:		4 IN	4 IN		
Height Minimum, Maximum:		2 5	2 6		
Density, Unit:		0.01 FT2	0.01 FT2		
Pest 2 Code, Type, Scale:	AMBTR W	AMBTR W	AMBTR W	AMBTR W	AMBTR W
Stage Majority, Percent:	NA	6	6	NA	NA
Stage Minimum, Percent:		4	4		
Stage Maximum, Percent:		10	12		
Height, Unit:		3 IN	4 IN		
Height Minimum, Maximum:		2 5	2 6		
Density, Unit:		0.1 FT2	0.1 FT2		
Pest 3 Code, Type, Scale:	AMATA W	AMATA W	AMATA W	AMATA W	AMATA W
Stage Majority, Percent:	NA	4	6	NA	NA
Stage Minimum, Percent:		2	2		
Stage Maximum, Percent:		6	8		
Height, Unit:		2 IN	4 IN		
Height Minimum, Maximum:		1 2	1 3		
Density, Unit:		0.1 FT2	0.01 FT2		
Pest 4 Code, Type, Scale:	IPOHE W	IPOHE W	IPOHE W	IPOHE W	IPOHE W
Stage Majority, Percent:	NA	4	6	NA	NA
Stage Minimum, Percent:		4	4		
Stage Maximum, Percent:		8	12		
Height, Unit:		2 IN	3 IN		
Height Minimum, Maximum:		1 3	1 4		
Density, Unit:		0.01 FT2	0.1 FT2		
Pest 5 Code, Type, Scale:	CERCZM D	CERCZM D	CERCZM D	CERCZM D	CERCZM D
Stage Majority, Percent:	NA	NA	NA	NA	NA

Application Equipment					
	A	B	C	D	E
Appl. Equipment:	CO2 sprayer	CO2 sprayer	CO2 sprayer	CO2 sprayer	CO2 sprayer
Equipment Type:	BACSPR	BACSPR	BACSPR	BACSPR	BACSPR
Operation Pressure, Unit:	30 PSI	30 PSI	30 PSI	30 PSI	30 PSI
Nozzle Type:	XR	XR	XR	XR	XR
Nozzle Size:	8002	8002	8002	8002	8002
Boom Length, Unit:	10 FT	10 FT	10 FT	5 FT	5 FT
Spray Volume, Unit:	15 GPA	15 GPA	15 GPA	15 GPA	15 GPA

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Pest Code	Crop Code	Rating Date	ZEAMD 10-20-14	ZEAMD 10-20-14	ZEAMD 10-20-14	ZEAMD 14 DA-B 14 DA-C	ZEAMD 28 DA-B 28 DA-C	ZEAMD 56 DA-B 56 DA-C	ZEAMD 6-14-14 14 DA-A						
Rating Type	Rating Unit	Rating Timing	Moisture Percent	Test wt lb/bu	Yield bu/A	Injury Percent	Injury Percent	Injury Percent	Injury Percent						
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Other Rate	Other Rate	Growth Unit Stage	Appl Code							
1	NO SEED TREATMENT NONTREATED						31 b	0	0	0	0				
2	NO SEED TREATMENT ROUNDUP POWERMAX AATREX 4L MSO (MSO ULTRA) N-PAK AMS	4.5 SL 4 SC 100 SL 100 SL		1.13 lb ae/a 1 lb ai/a 1 % v/v 2.5 % v/v	32 fl oz/a 32 fl oz/a 1 % v/v 2.5 % v/v		2-4"W-1 B 2-4"W-1 B 2-4"W-1 B 2-4"W-1 B		21.7 d	55.6 a	244 a	0 a	0 a	0 a	0 a
3	NO SEED TREATMENT ZIDUA SHARPEN ROUNDUP POWERMAX OUTLOOK ARMEZON AATREX 4L MSO (MSO ULTRA) N-PAK AMS	85 WG 2.85 SC 4.5 SL 6 EC 2.8 SL 4 SC 100 SL 100 SL		0.16 lb ai/a 0.0223 lb ai/a 0.77 lb ae/a 0.47 lb ai/a 0.0164 lb ai/a 0.5 lb ai/a 1 % v/v 2.5 % v/v	3 oz/a 1 fl oz/a 22 fl oz/a 10 fl oz/a 0.75 fl oz/a 16 fl oz/a 1 % v/v 2.5 % v/v		PRE A PRE A 2-4"W-2 C 2-4"W-2 C 2-4"W-2 C 2-4"W-2 C 2-4"W-2 C 2-4"W-2 C		22.5 bcd	55.3 abc	246 a	0 a	0 a	0 a	0 a
4	NO SEED TREATMENT ZIDUA SHARPEN ROUNDUP POWERMAX OUTLOOK ARMEZON AATREX 4L MSO (MSO ULTRA) N-PAK AMS PRIAXOR HEADLINE AMP	85 WG 2.85 SC 4.5 SL 6 EC 2.8 SL 4 SC 100 SL 100 SL 4.17 SL 1.68 SL		0.16 lb ai/a 0.0223 lb ai/a 0.77 lb ae/a 0.47 lb ai/a 0.0164 lb ai/a 0.5 lb ai/a 1 % v/v 2.5 % v/v 0.13 lb ai/a 0.131 lb ai/a	3 oz/a 1 fl oz/a 22 fl oz/a 10 fl oz/a 0.75 fl oz/a 16 fl oz/a 1 % v/v 2.5 % v/v 4 fl oz/a 10 fl oz/a		PRE A PRE A 2-4"W-2 C 2-4"W-2 C 2-4"W-2 C 2-4"W-2 C 2-4"W-2 C 2-4"W-2 C V8 D VT E		23.5 abc	55.0 bcd	255 a	0 a	0 a	0 a	0 a
5	TREATED SEED ZIDUA SHARPEN ROUNDUP POWERMAX OUTLOOK ARMEZON AATREX 4L MSO (MSO ULTRA) N-PAK AMS UREA (46-0-0) + LIMUS PRIAXOR HEADLINE AMP	85 WG 2.85 SC 4.5 SL 6 EC 2.8 SL 4 SC 100 SL 100 SL 100 SG 4.17 SL 1.68 SL		0.16 lb ai/a 0.0223 lb ai/a 0.77 lb ae/a 0.47 lb ai/a 0.0164 lb ai/a 0.5 lb ai/a 1 % v/v 2.5 % v/v 150 lb/a 0.13 lb ai/a 0.131 lb ai/a	3 oz/a 1 fl oz/a 22 fl oz/a 10 fl oz/a 0.75 fl oz/a 16 fl oz/a 1 % v/v 2.5 % v/v		PRE A PRE A 2-4"W-2 C 2-4"W-2 C 2-4"W-2 C 2-4"W-2 C 2-4"W-2 C 2-4"W-2 C V8 D V8 D VT E		23.8 ab	54.8 cd	250 a	0 a	0 a	0 a	0 a
6	TREATED SEED ROUNDUP POWERMAX AATREX 4L MSO (MSO ULTRA) N-PAK AMS	4.5 SL 4 SC 100 SL 100 SL		1.13 lb ae/a 1 lb ai/a 1 % v/v 2.5 % v/v	32 fl oz/a 32 fl oz/a 1 % v/v 2.5 % v/v		2-4"W-1 B 2-4"W-1 B 2-4"W-1 B 2-4"W-1 B		22.0 cd	55.5 ab	252 a	0 a	0 a	0 a	0 a
7	TREATED SEED ZIDUA SHARPEN ROUNDUP POWERMAX OUTLOOK ARMEZON AATREX 4L MSO (MSO ULTRA) N-PAK AMS	85 WG 2.85 SC 4.5 SL 6 EC 2.8 SL 4 SC 100 SL 100 SL		0.16 lb ai/a 0.0223 lb ai/a 0.77 lb ae/a 0.47 lb ai/a 0.0164 lb ai/a 0.5 lb ai/a 1 % v/v 2.5 % v/v	3 oz/a 1 fl oz/a 22 fl oz/a 10 fl oz/a 0.75 fl oz/a 16 fl oz/a 1 % v/v 2.5 % v/v		PRE A PRE A 2-4"W-2 C 2-4"W-2 C 2-4"W-2 C 2-4"W-2 C 2-4"W-2 C 2-4"W-2 C		22.5 bcd	55.3 abc	249 a	0 a	0 a	0 a	0 a

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.

Southern Illinois University

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Pest Code							ZEAMD	ZEAMD	ZEAMD	ZEAMD	ZEAMD	ZEAMD	ZEAMD				
Crop Code							10-20-14	10-20-14	10-20-14				6-14-14				
Rating Date							Moisture	Test wt	Yield	Injury	Injury	Injury	Injury				
Rating Type							Percent	lb/bu	bu/A	Percent	Percent	Percent	Percent				
Rating Unit																	
Rating Timing																	
Trt-Eval Interval																	
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Unit Unit	Other Rate	Other Rate	Growth Unit	Stage	Appl Code							
8	TREATED SEED										24.4 a	54.6 d	246 a	0 a	0 a	0 a	0 a
	ZIDUA	85	WG	0.16	lb ai/a	3	oz/a	PRE	A								
	SHARPEN	2.85	SC	0.0223	lb ai/a	1	fl oz/a	PRE	A								
	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	2-4"W-2 C									
	OUTLOOK	6	EC	0.47	lb ai/a	10	fl oz/a	2-4"W-2 C									
	ARMEZON	2.8	SL	0.0164	lb ai/a	0.75	fl oz/a	2-4"W-2 C									
	AATREX 4L	4	SC	0.5	lb ai/a	16	fl oz/a	2-4"W-2 C									
	MSO (MSO ULTRA)	100	SL	1%	v/v	1%	v/v	2-4"W-2 C									
	N-PAK AMS	100	SL	2.5%	v/v	2.5%	v/v	2-4"W-2 C									
	PRIAXOR	4.17	SL	0.13	lb ai/a	4	fl oz/a	V8	D								
	HEADLINE AMP	1.68	SL	0.131	lb ai/a	10	fl oz/a	VT	E								
	LSD (P=.05)							1.60	0.51	22.9	0.0	0.0	0.0	0.0			
	Standard Deviation							1.08	0.35	15.5	0.0	0.0	0.0	0.0			
	CV							4.71	0.63	7.01	0.0	0.0	0.0	0.0			
	Replicate F							0.707	0.336	0.405	0.000	0.000	0.000	0.000			
	Replicate Prob(F)							0.5602	0.7995	0.7508	1.0000	1.0000	1.0000	1.0000			
	Treatment F							3.461	4.076	98.026	0.000	0.000	0.000	0.000			
	Treatment Prob(F)							0.0188	0.0093	0.0001	1.0000	1.0000	1.0000	1.0000			

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Pest Code Crop Code Rating Date Rating Type Rating Unit Rating Timing Trt-Eval Interval								PANDI	PAND	PANDI	PAND
Trt Treatment No. Name								Control Percent 14 DA-B 14 DA-C	Control Perce 28 DA-B 28 DA-C	Control Percent 56 DA-B 56 DA-C	6-14-14 Control Percent 14 DA-A
Form	Form	Rate	Other	Other	Grow	h	Appl				
Conc	Type	Unit	Rate	Rate	Unit	Stage	Code				
1 NO SEED TREATMENT NONTREATED								0	0	0	0
2 NO SEED TREATMENT ROUNDUP POWERMAX 4.5 SL 1.13 lb ae/a 32 fl oz/a 2-4"W-1 B AATREX 4L 4 SC 1 lb ai/a 32 fl oz/a 2-4"W-1 B MSO (MSO ULTRA) 100 SL 1% v/v 1% v/v 2-4"W-1 B N-PAK AMS 100 SL 2.5% v/v 2.5% v/v 2-4"W-1 B								99 a	99 a	99 a	0 a
3 NO SEED TREATMENT ZIDUA 85 WG 0.16 lb ai/a 3 oz/a PRE A SHARPEN 2 85 SC 0.0223 lb ai/a 1 fl oz/a PRE A ROUNDUP POWERMAX 4.5 SL 0.77 lb ae/a 22 fl oz/a 2-4"W-2 C OUTLOOK 6 EC 0.47 lb ai/a 10 fl oz/a 2-4"W-2 C ARMEZON 2 8 SL 0.0164 lb ai/a 0.75 fl oz/a 2-4"W-2 C AATREX 4L 4 SC 0.5 lb ai/a 16 fl oz/a 2-4"W-2 C MSO (MSO ULTRA) 100 SL 1% v/v 1% v/v 2-4"W-2 C N-PAK AMS 100 SL 2.5% v/v 2.5% v/v 2-4"W-2 C								99 a	99 a	99 a	99 a
4 NO SEED TREATMENT ZIDUA 85 WG 0.16 lb ai/a 3 oz/a PRE A SHARPEN 2 85 SC 0.0223 lb ai/a 1 fl oz/a PRE A ROUNDUP POWERMAX 4.5 SL 0.77 lb ae/a 22 fl oz/a 2-4"W-2 C OUTLOOK 6 EC 0.47 lb ai/a 10 fl oz/a 2-4"W-2 C ARMEZON 2 8 SL 0.0164 lb ai/a 0.75 fl oz/a 2-4"W-2 C AATREX 4L 4 SC 0.5 lb ai/a 16 fl oz/a 2-4"W-2 C MSO (MSO ULTRA) 100 SL 1% v/v 1% v/v 2-4"W-2 C N-PAK AMS 100 SL 2.5% v/v 2.5% v/v 2-4"W-2 C PRIAXOR 4.17 SL 0.13 lb ai/a 4 fl oz/a V8 D HEADLINE AMP 1.68 SL 0.131 lb ai/a 10 fl oz/a VT E								99 a	99 a	99 a	99 a
5 TREATED SEED ZIDUA 85 WG 0.16 lb ai/a 3 oz/a PRE A SHARPEN 2 85 SC 0.0223 lb ai/a 1 fl oz/a PRE A ROUNDUP POWERMAX 4.5 SL 0.77 lb ae/a 22 fl oz/a 2-4"W-2 C OUTLOOK 6 EC 0.47 lb ai/a 10 fl oz/a 2-4"W-2 C ARMEZON 2 8 SL 0.0164 lb ai/a 0.75 fl oz/a 2-4"W-2 C AATREX 4L 4 SC 0.5 lb ai/a 16 fl oz/a 2-4"W-2 C MSO (MSO ULTRA) 100 SL 1% v/v 1% v/v 2-4"W-2 C N-PAK AMS 100 SL 2.5% v/v 2.5% v/v 2-4"W-2 C UREA (46-0-0) + LIMUS 100 SG 150 lb/a V8 D PRIAXOR 4.17 SL 0.13 lb ai/a 4 fl oz/a V8 D HEADLINE AMP 1.68 SL 0.131 lb ai/a 10 fl oz/a VT E								99 a	99 a	99 a	99 a
6 TREATED SEED ROUNDUP POWERMAX 4.5 SL 1.13 lb ae/a 32 fl oz/a 2-4"W-1 B AATREX 4L 4 SC 1 lb ai/a 32 fl oz/a 2-4"W-1 B MSO (MSO ULTRA) 100 SL 1% v/v 1% v/v 2-4"W-1 B N-PAK AMS 100 SL 2.5% v/v 2.5% v/v 2-4"W-1 B								99 a	99 a	99 a	0 a
7 TREATED SEED ZIDUA 85 WG 0.16 lb ai/a 3 oz/a PRE A SHARPEN 2 85 SC 0.0223 lb ai/a 1 fl oz/a PRE A ROUNDUP POWERMAX 4.5 SL 0.77 lb ae/a 22 fl oz/a 2-4"W-2 C OUTLOOK 6 EC 0.47 lb ai/a 10 fl oz/a 2-4"W-2 C ARMEZON 2 8 SL 0.0164 lb ai/a 0.75 fl oz/a 2-4"W-2 C AATREX 4L 4 SC 0.5 lb ai/a 16 fl oz/a 2-4"W-2 C MSO (MSO ULTRA) 100 SL 1% v/v 1% v/v 2-4"W-2 C N-PAK AMS 100 SL 2.5% v/v 2.5% v/v 2-4"W-2 C								99 a	99 a	99 a	99 a

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Pest Code								PANDI	PAND	PANDI	PAND	
Crop Code								Control	Control	Control	6-14-14	
Rating Date								Percent	Percent	Percent	Control	
Rating Type								14 DA-B	28 DA-B	56 DA-B	Percent	
Rating Unit								14 DA-C	28 DA-C	56 DA-C	14 DA-A	
Rating Timing												
Trt-Eval Interval												
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Unit Unit	Other Rate	Other Rate	Grow Unit	h Stage	Appl Code		
8	TREATED SEED										99 a	99 a
	ZIDUA	85	WG	0.16	lb ai/a	3	oz/a	PRE	A			
	SHARPEN	2.85	SC	0.0223	lb ai/a	1	fl oz/a	PRE	A			
	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	2-4"	W-2 C			
	OUTLOOK	6	EC	0.47	lb ai/a	10	fl oz/a	2-4"	W-2 C			
	ARMEZON	2.8	SL	0.0164	lb ai/a	0.75	fl oz/a	2-4"	W-2 C			
	AATREX 4L	4	SC	0.5	lb ai/a	16	fl oz/a	2-4"	W-2 C			
	MSO (MSO ULTRA)	100	SL	1	% v/v	1	% v/v	2-4"	W-2 C			
	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	2-4"	W-2 C			
	PRIAXOR	4.17	SL	0.13	lb ai/a	4	fl oz/a	V8	D			
	HEADLINE AMP	1.68	SL	0.131	lb ai/a	10	fl oz/a	VT	E			
	LSD (P=.05)			0.0							0.0	0.0
	Standard Deviation			0.0							0.0	0.0
	CV			0.0							0.0	0.0
	Replicate F			0.000							0.000	0.000
	Replicate Prob(F)			1.0000							1.0000	1.0000
	Treatment F			0.000							0.000	0.000
	Treatment Prob(F)			1.0000							1.0000	1.0000

BASF Advanced Acre - Corn.

Trial ID: 14-50W Location: Belleville Res. Center Trial Year: 2014
Investigator: Ronald F. Krausz

Pest Code Crop Code Rating Date Rating Type Rating Unit Rating Timing Trt-Eval Interval								AMBTR	AMBTR	AMBTR	AMBTR	
								Control Percent 14 DA-B 14 DA-C	Control Percent 28 DA-B 28 DA-C	Control Percent 56 DA-B 56 DA-C	6-14-14 Control Percent 14 DA-A	
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Other Rate	Other Rate	Growth Unit Stage	Appl Code				
1	NO SEED TREATMENT NONTREATED							0	0	0	0	
2	NO SEED TREATMENT ROUNDUP POWERMAX 4.5 SL 1.13 lb ae/a 32 fl oz/a 2-4"W-1 B AATREX 4L 4 SC 1 lb ai/a 32 fl oz/a 2-4"W-1 B MSO (MSO ULTRA) 100 SL 1% v/v 1% v/v 2-4"W-1 B N-PAK AMS 100 SL 2.5% v/v 2.5% v/v 2-4"W-1 B							99 a	95 b	95 b	0 b	
3	NO SEED TREATMENT ZIDUA 85 WG 0.16 lb ai/a 3 oz/a PRE A SHARPEN 2 85 SC 0.0223 lb ai/a 1 fl oz/a PRE A ROUNDUP POWERMAX 4.5 SL 0.77 lb ae/a 22 fl oz/a 2-4"W-2 C OUTLOOK 6 EC 0.47 lb ai/a 10 fl oz/a 2-4"W-2 C ARMEZON 2 8 SL 0.0164 lb ai/a 0.75 fl oz/a 2-4"W-2 C AATREX 4L 4 SC 0.5 lb ai/a 16 fl oz/a 2-4"W-2 C MSO (MSO ULTRA) 100 SL 1% v/v 1% v/v 2-4"W-2 C N-PAK AMS 100 SL 2.5% v/v 2.5% v/v 2-4"W-2 C							99 a	99 a	99 a	88 a	
4	NO SEED TREATMENT ZIDUA 85 WG 0.16 lb ai/a 3 oz/a PRE A SHARPEN 2 85 SC 0.0223 lb ai/a 1 fl oz/a PRE A ROUNDUP POWERMAX 4.5 SL 0.77 lb ae/a 22 fl oz/a 2-4"W-2 C OUTLOOK 6 EC 0.47 lb ai/a 10 fl oz/a 2-4"W-2 C ARMEZON 2 8 SL 0.0164 lb ai/a 0.75 fl oz/a 2-4"W-2 C AATREX 4L 4 SC 0.5 lb ai/a 16 fl oz/a 2-4"W-2 C MSO (MSO ULTRA) 100 SL 1% v/v 1% v/v 2-4"W-2 C N-PAK AMS 100 SL 2.5% v/v 2.5% v/v 2-4"W-2 C PRIAXOR 4.17 SL 0.13 lb ai/a 4 fl oz/a V8 D HEADLINE AMP 1.68 SL 0.131 lb ai/a 10 fl oz/a VT E							99 a	99 a	99 a	90 a	
5	TREATED SEED ZIDUA 85 WG 0.16 lb ai/a 3 oz/a PRE A SHARPEN 2 85 SC 0.0223 lb ai/a 1 fl oz/a PRE A ROUNDUP POWERMAX 4.5 SL 0.77 lb ae/a 22 fl oz/a 2-4"W-2 C OUTLOOK 6 EC 0.47 lb ai/a 10 fl oz/a 2-4"W-2 C ARMEZON 2 8 SL 0.0164 lb ai/a 0.75 fl oz/a 2-4"W-2 C AATREX 4L 4 SC 0.5 lb ai/a 16 fl oz/a 2-4"W-2 C MSO (MSO ULTRA) 100 SL 1% v/v 1% v/v 2-4"W-2 C N-PAK AMS 100 SL 2.5% v/v 2.5% v/v 2-4"W-2 C UREA (46-0-0) + LIMUS 100 SG 150 lb/a V8 D PRIAXOR 4.17 SL 0.13 lb ai/a 4 fl oz/a V8 D HEADLINE AMP 1.68 SL 0.131 lb ai/a 10 fl oz/a VT E							99 a	99 a	99 a	89 a	
6	TREATED SEED ROUNDUP POWERMAX 4.5 SL 1.13 lb ae/a 32 fl oz/a 2-4"W-1 B AATREX 4L 4 SC 1 lb ai/a 32 fl oz/a 2-4"W-1 B MSO (MSO ULTRA) 100 SL 1% v/v 1% v/v 2-4"W-1 B N-PAK AMS 100 SL 2.5% v/v 2.5% v/v 2-4"W-1 B							99 a	97 a	97 a	0 b	
7	TREATED SEED ZIDUA 85 WG 0.16 lb ai/a 3 oz/a PRE A SHARPEN 2 85 SC 0.0223 lb ai/a 1 fl oz/a PRE A ROUNDUP POWERMAX 4.5 SL 0.77 lb ae/a 22 fl oz/a 2-4"W-2 C OUTLOOK 6 EC 0.47 lb ai/a 10 fl oz/a 2-4"W-2 C ARMEZON 2 8 SL 0.0164 lb ai/a 0.75 fl oz/a 2-4"W-2 C AATREX 4L 4 SC 0.5 lb ai/a 16 fl oz/a 2-4"W-2 C MSO (MSO ULTRA) 100 SL 1% v/v 1% v/v 2-4"W-2 C N-PAK AMS 100 SL 2.5% v/v 2.5% v/v 2-4"W-2 C							99 a	99 a	99 a	86 a	

Southern Illinois University

BASF Advanced Acre - Corn.

Trial ID: 14-50W Location: Belleville Res. Center Trial Year: 2014
Investigator: Ronald F. Krausz

Pest Code								AMBTR	AMBTR	AMBTR	AMBTR			
Crop Code														
Rating Date								Control	Control	Control	6-14-14			
Rating Type								Percent	Percent	Percent	Control			
Rating Unit								14 DA-B	28 DA-B	56 DA-B	Percent			
Rating Timing								14 DA-C	28 DA-C	56 DA-C	14 DA-A			
Trt-Eval Interval														
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Unit Unit	Other Rate	Other Rate	Grow Unit	h Stage	Appl Code				
8	TREATED SEED										99 a	99 a	99 a	89 a
	ZIDUA	85	WG	0.16	lb ai/a	3	oz/a	PRE	A					
	SHARPEN	2.85	SC	0.0223	lb ai/a	1	fl oz/a	PRE	A					
	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	2-4"	W-2 C					
	OUTLOOK	6	EC	0.47	lb ai/a	10	fl oz/a	2-4"	W-2 C					
	ARMEZON	2.8	SL	0.0164	lb ai/a	0.75	fl oz/a	2-4"	W-2 C					
	AATREX 4L	4	SC	0.5	lb ai/a	16	fl oz/a	2-4"	W-2 C					
	MSO (MSO ULTRA)	100	SL	1%	v/v	1%	v/v	2-4"	W-2 C					
	N-PAK AMS	100	SL	2.5%	v/v	2.5%	v/v	2-4"	W-2 C					
	PRIAXOR	4.17	SL	0.13	lb ai/a	4	fl oz/a	V8	D					
	HEADLINE AMP	1.68	SL	0.131	lb ai/a	10	fl oz/a	VT	E					
	LSD (P=.05)			0.0		2.4		2.4			0.0	2.4	2.4	4.0
	Standard Deviation			0.0		1.6		1.6			0.0	1.6	1.6	2.7
	CV			0.0		1.64		1.64			0.0	1.64	1.64	4.24
	Replicate F			0.000		0.313		0.313			0.000	0.313	0.313	2.458
	Replicate Prob(F)			1.0000		0.8158		0.8158			1.0000	0.8158	0.8158	0.0960
	Treatment F			0.000		4.693		4.693			0.000	4.693	4.693	1039.167
	Treatment Prob(F)			1.0000		0.0048		0.0048			1.0000	0.0048	0.0048	0.0001

BASF Advanced Acre - Corn.

Trial ID: 14-50W Location: Belleville Res. Center Trial Year: 2014
Investigator: Ronald F. Krausz

Pest Code								AMATA	AMATA	AMATA	AMATA		
Crop Code								Control	Control	Control	6-14-14		
Rating Date								Percent	Percent	Percent	Control		
Rating Type								14 DA-B	28 DA-B	56 DA-B	Percent		
Rating Unit								14 DA-C	28 DA-C	56 DA-C	14 DA-A		
Rating Timing													
Trt-Eval Interval													
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Other Rate	Other Rate	Growth Unit Stage	Appl Code				
1	NO SEED TREATMENT NONTREATED								0	0	0	0	
2	NO SEED TREATMENT ROUNDUP POWERMAX 4.5 SL 1.13 lb ae/a 32 fl oz/a 2-4"W-1 B								99 a	90 b	90 b	0 a	
	AATREX 4L 4 SC 1 lb ai/a 32 fl oz/a 2-4"W-1 B												
	MSO (MSO ULTRA) 100 SL 1% v/v 1% v/v 2-4"W-1 B												
	N-PAK AMS 100 SL 2.5% v/v 2.5% v/v 2-4"W-1 B												
3	NO SEED TREATMENT ZIDUA 85 WG 0.16 lb ai/a 3 oz/a PRE A								99 a	99 a	99 a	99 a	
	SHARPEN 2 85 SC 0.0223 lb ai/a 1 fl oz/a PRE A												
	ROUNDUP POWERMAX 4.5 SL 0.77 lb ae/a 22 fl oz/a 2-4"W-2 C												
	OUTLOOK 6 EC 0.47 lb ai/a 10 fl oz/a 2-4"W-2 C												
	ARMEZON 2 8 SL 0.0164 lb ai/a 0.75 fl oz/a 2-4"W-2 C												
	AATREX 4L 4 SC 0.5 lb ai/a 16 fl oz/a 2-4"W-2 C												
	MSO (MSO ULTRA) 100 SL 1% v/v 1% v/v 2-4"W-2 C												
	N-PAK AMS 100 SL 2.5% v/v 2.5% v/v 2-4"W-2 C												
4	NO SEED TREATMENT ZIDUA 85 WG 0.16 lb ai/a 3 oz/a PRE A								99 a	99 a	99 a	99 a	
	SHARPEN 2 85 SC 0.0223 lb ai/a 1 fl oz/a PRE A												
	ROUNDUP POWERMAX 4.5 SL 0.77 lb ae/a 22 fl oz/a 2-4"W-2 C												
	OUTLOOK 6 EC 0.47 lb ai/a 10 fl oz/a 2-4"W-2 C												
	ARMEZON 2 8 SL 0.0164 lb ai/a 0.75 fl oz/a 2-4"W-2 C												
	AATREX 4L 4 SC 0.5 lb ai/a 16 fl oz/a 2-4"W-2 C												
	MSO (MSO ULTRA) 100 SL 1% v/v 1% v/v 2-4"W-2 C												
	N-PAK AMS 100 SL 2.5% v/v 2.5% v/v 2-4"W-2 C												
	PRIAXOR 4.17 SL 0.13 lb ai/a 4 fl oz/a V8 D												
	HEADLINE AMP 1.68 SL 0.131 lb ai/a 10 fl oz/a VT E												
5	TREATED SEED ZIDUA 85 WG 0.16 lb ai/a 3 oz/a PRE A								99 a	99 a	99 a	99 a	
	SHARPEN 2 85 SC 0.0223 lb ai/a 1 fl oz/a PRE A												
	ROUNDUP POWERMAX 4.5 SL 0.77 lb ae/a 22 fl oz/a 2-4"W-2 C												
	OUTLOOK 6 EC 0.47 lb ai/a 10 fl oz/a 2-4"W-2 C												
	ARMEZON 2 8 SL 0.0164 lb ai/a 0.75 fl oz/a 2-4"W-2 C												
	AATREX 4L 4 SC 0.5 lb ai/a 16 fl oz/a 2-4"W-2 C												
	MSO (MSO ULTRA) 100 SL 1% v/v 1% v/v 2-4"W-2 C												
	N-PAK AMS 100 SL 2.5% v/v 2.5% v/v 2-4"W-2 C												
	UREA (46-0-0) + LIMUS 100 SG 150 lb/a V8 D												
	PRIAXOR 4.17 SL 0.13 lb ai/a 4 fl oz/a V8 D												
	HEADLINE AMP 1.68 SL 0.131 lb ai/a 10 fl oz/a VT E												
6	TREATED SEED ROUNDUP POWERMAX 4.5 SL 1.13 lb ae/a 32 fl oz/a 2-4"W-1 B								99 a	92 b	92 b	0 a	
	AATREX 4L 4 SC 1 lb ai/a 32 fl oz/a 2-4"W-1 B												
	MSO (MSO ULTRA) 100 SL 1% v/v 1% v/v 2-4"W-1 B												
	N-PAK AMS 100 SL 2.5% v/v 2.5% v/v 2-4"W-1 B												
7	TREATED SEED ZIDUA 85 WG 0.16 lb ai/a 3 oz/a PRE A								99 a	99 a	99 a	99 a	
	SHARPEN 2 85 SC 0.0223 lb ai/a 1 fl oz/a PRE A												
	ROUNDUP POWERMAX 4.5 SL 0.77 lb ae/a 22 fl oz/a 2-4"W-2 C												
	OUTLOOK 6 EC 0.47 lb ai/a 10 fl oz/a 2-4"W-2 C												
	ARMEZON 2 8 SL 0.0164 lb ai/a 0.75 fl oz/a 2-4"W-2 C												
	AATREX 4L 4 SC 0.5 lb ai/a 16 fl oz/a 2-4"W-2 C												
	MSO (MSO ULTRA) 100 SL 1% v/v 1% v/v 2-4"W-2 C												
	N-PAK AMS 100 SL 2.5% v/v 2.5% v/v 2-4"W-2 C												

Southern Illinois University

BASF Advanced Acre - Corn.

Trial ID: 14-50W Location: Belleville Res. Center Trial Year: 2014
Investigator: Ronald F. Krausz

Pest Code								AMATA	AMATA	AMATA	AMATA			
Crop Code														
Rating Date								Control	Control	Control	6-14-14			
Rating Type								Percent	Percent	Percent	Control			
Rating Unit								14 DA-B	28 DA-B	56 DA-B	Percent			
Rating Timing								14 DA-C	28 DA-C	56 DA-C				
Trt-Eval Interval											14 DA-A			
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Unit Unit	Other Rate	Other Rate	Grow Unit	h Stage	Appl Code				
8	TREATED SEED										99 a	99 a	99 a	99 a
	ZIDUA	85	WG	0.16	lb ai/a	3	oz/a	PRE	A					
	SHARPEN	2.85	SC	0.0223	lb ai/a	1	fl oz/a	PRE	A					
	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	2-4"	W-2 C					
	OUTLOOK	6	EC	0.47	lb ai/a	10	fl oz/a	2-4"	W-2 C					
	ARMEZON	2.8	SL	0.0164	lb ai/a	0.75	fl oz/a	2-4"	W-2 C					
	AATREX 4L	4	SC	0.5	lb ai/a	16	fl oz/a	2-4"	W-2 C					
	MSO (MSO ULTRA)	100	SL	1	% v/v	1	% v/v	2-4"	W-2 C					
	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	2-4"	W-2 C					
	PRIAXOR	4.17	SL	0.13	lb ai/a	4	fl oz/a	V8	D					
	HEADLINE AMP	1.68	SL	0.131	lb ai/a	10	fl oz/a	VT	E					
	LSD (P=.05)			0.0							0.0	4.8	4.8	0.0
	Standard Deviation			0.0							0.0	3.2	3.2	0.0
	CV			0.0							0.0	3.35	3.35	0.0
	Replicate F			0.000							0.000	2.268	2.268	0.000
	Replicate Prob(F)			1.0000							1.0000	0.1153	0.1153	1.0000
	Treatment F			0.000							0.000	5.779	5.779	0.000
	Treatment Prob(F)			1.0000							1.0000	0.0017	0.0017	1.0000

BASF Advanced Acre - Corn.

Trial ID: 14-50W Location: Belleville Res. Center Trial Year: 2014
Investigator: Ronald F. Krausz

Pest Code Crop Code Rating Date Rating Type Rating Unit Rating Timing Trt-Eval Interval								IPOHE	IPOHE	IPOHE	IPOHE	CERCZM ZEAMD	CERCZM ZEAMD	CERCZM ZEAMD	CERCZM ZEAMD
Trt Treatment No. Name								Control Percent 14 DA-B 14 DA-C	Control Percen 28 DA-B 28 DA-C	Control Percent 56 DA-B 56 DA-C	6-14-14 Control Percen 14 DA-A	8-15-14 Incidence Percent 21 DA-E	8-15-14 Severity Percent 21 DA-E	8-29-14 Incidence Percent 21 DA-E	8-29-14 Severity Percent 21 DA-E
Form	Form	Rate	Other	Other	Growth	Appl									
Conc	Type	Unit	Rate	Rate	Unit	Stage	Code								
1 NO SEED TREATMENT NONTREATED								0	0	0	0	1.8	2.5	1.8	2.5
2 NO SEED TREATMENT ROUNDUP POWERMAX 4.5 SL 1.13 lb ae/a 32 fl oz/a 2-4"W-1 B AATREX 4L 4 SC 1 lb ai/a 32 fl oz/a 2-4"W-1 B MSO (MSO ULTRA) 100 SL 1% v/v 1% v/v 2-4"W-1 B N-PAK AMS 100 SL 2.5% v/v 2.5% v/v 2-4"W-1 B								99 a	94 b	94 b	0 b	1.3 a	1.3 ab	1.3 a	1.5 a
3 NO SEED TREATMENT ZIDUA 85 WG 0.16 lb ai/a 3 oz/a PRE A SHARPEN 2 85 SC 0.0223 lb ai/a 1 fl oz/a PRE A ROUNDUP POWERMAX 4.5 SL 0.77 lb ae/a 22 fl oz/a 2-4"W-2 C OUTLOOK 6 EC 0.47 lb ai/a 10 fl oz/a 2-4"W-2 C ARMEZON 2 8 SL 0.0164 lb ai/a 0.75 fl oz/a 2-4"W-2 C AATREX 4L 4 SC 0.5 lb ai/a 16 fl oz/a 2-4"W-2 C MSO (MSO ULTRA) 100 SL 1% v/v 1% v/v 2-4"W-2 C N-PAK AMS 100 SL 2.5% v/v 2.5% v/v 2-4"W-2 C								99 a	99 a	99 a	99 a	1.0 a	1.0 b	1.0 a	1.3 a
4 NO SEED TREATMENT ZIDUA 85 WG 0.16 lb ai/a 3 oz/a PRE A SHARPEN 2 85 SC 0.0223 lb ai/a 1 fl oz/a PRE A ROUNDUP POWERMAX 4.5 SL 0.77 lb ae/a 22 fl oz/a 2-4"W-2 C OUTLOOK 6 EC 0.47 lb ai/a 10 fl oz/a 2-4"W-2 C ARMEZON 2 8 SL 0.0164 lb ai/a 0.75 fl oz/a 2-4"W-2 C AATREX 4L 4 SC 0.5 lb ai/a 16 fl oz/a 2-4"W-2 C MSO (MSO ULTRA) 100 SL 1% v/v 1% v/v 2-4"W-2 C N-PAK AMS 100 SL 2.5% v/v 2.5% v/v 2-4"W-2 C PRIAXOR 4.17 SL 0.13 lb ai/a 4 fl oz/a V8 D HEADLINE AMP 1.68 SL 0.131 lb ai/a 10 fl oz/a VT E								99 a	99 a	99 a	99 a	0.0 b	0.0 c	0.0 b	0.0 b
5 TREATED SEED ZIDUA 85 WG 0.16 lb ai/a 3 oz/a PRE A SHARPEN 2 85 SC 0.0223 lb ai/a 1 fl oz/a PRE A ROUNDUP POWERMAX 4.5 SL 0.77 lb ae/a 22 fl oz/a 2-4"W-2 C OUTLOOK 6 EC 0.47 lb ai/a 10 fl oz/a 2-4"W-2 C ARMEZON 2 8 SL 0.0164 lb ai/a 0.75 fl oz/a 2-4"W-2 C AATREX 4L 4 SC 0.5 lb ai/a 16 fl oz/a 2-4"W-2 C MSO (MSO ULTRA) 100 SL 1% v/v 1% v/v 2-4"W-2 C N-PAK AMS 100 SL 2.5% v/v 2.5% v/v 2-4"W-2 C UREA (46-0-0) + LIMUS 100 SG 150 lb/a V8 D PRIAXOR 4.17 SL 0.13 lb ai/a 4 fl oz/a V8 D HEADLINE AMP 1.68 SL 0.131 lb ai/a 10 fl oz/a VT E								99 a	99 a	99 a	99 a	0.0 b	0.0 c	0.0 b	0.0 b
6 TREATED SEED ROUNDUP POWERMAX 4.5 SL 1.13 lb ae/a 32 fl oz/a 2-4"W-1 B AATREX 4L 4 SC 1 lb ai/a 32 fl oz/a 2-4"W-1 B MSO (MSO ULTRA) 100 SL 1% v/v 1% v/v 2-4"W-1 B N-PAK AMS 100 SL 2.5% v/v 2.5% v/v 2-4"W-1 B								99 a	95 b	95 b	0 b	1.0 a	2.0 a	1.0 a	2.0 a
7 TREATED SEED ZIDUA 85 WG 0.16 lb ai/a 3 oz/a PRE A SHARPEN 2 85 SC 0.0223 lb ai/a 1 fl oz/a PRE A ROUNDUP POWERMAX 4.5 SL 0.77 lb ae/a 22 fl oz/a 2-4"W-2 C OUTLOOK 6 EC 0.47 lb ai/a 10 fl oz/a 2-4"W-2 C ARMEZON 2 8 SL 0.0164 lb ai/a 0.75 fl oz/a 2-4"W-2 C AATREX 4L 4 SC 0.5 lb ai/a 16 fl oz/a 2-4"W-2 C MSO (MSO ULTRA) 100 SL 1% v/v 1% v/v 2-4"W-2 C N-PAK AMS 100 SL 2.5% v/v 2.5% v/v 2-4"W-2 C								99 a	99 a	99 a	98 a	1.3 a	1.5 ab	1.3 a	1.8 a

Southern Illinois University

BASF Advanced Acre - Corn.

Trial ID: 14-50W Location: Belleville Res. Center Trial Year: 2014
Investigator: Ronald F. Krausz

Pest Code								IPOHE	IPOHE	IPOHE	IPOHE	CERCZM	CERCZM	CERCZM	CERCZM	
Crop Code												ZEAMD	ZEAMD	ZEAMD	ZEAMD	
Rating Date												8-15-14	8-15-14	8-29-14	8-29-14	
Rating Type								Control	Control	Control	6-14-14	Incidence	Severity	Incidence	Severity	
Rating Unit								Percent	Percent	Percent	Control	Percent	Percent	Percent	Percent	
Rating Timing								14 DA-B	28 DA-B	56 DA-B	14 DA-A	21 DA-E	21 DA-E	21 DA-E	21 DA-E	
Trt-Eval Interval								14 DA-C	28 DA-C	56 DA-C	14 DA-A	21 DA-E	21 DA-E	21 DA-E	21 DA-E	
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Other Rate	Other Rate	Growth Unit Stage	Appl Code								
8	TREATED SEED								99 a	99 a	99 a	99 a	0.0 b	0.0 c	0.0 b	0.0 b
	ZIDUA	85 WG		0.16 lb ai/a		3 oz/a	PRE A									
	SHARPEN	2 85 SC		0.0223 lb ai/a		1 fl oz/a	PRE A									
	ROUNDUP POWERMAX	4.5 SL		0.77 lb ae/a		22 fl oz/a	2-4"W-2 C									
	OUTLOOK	6 EC		0.47 lb ai/a		10 fl oz/a	2-4"W-2 C									
	ARMEZON	2 8 SL		0.0164 lb ai/a		0.75 fl oz/a	2-4"W-2 C									
	AATREX 4L	4 SC		0.5 lb ai/a		16 fl oz/a	2-4"W-2 C									
	MSO (MSO ULTRA)	100 SL		1 % v/v		1 % v/v	2-4"W-2 C									
	N-PAK AMS	100 SL		2.5 % v/v		2.5 % v/v	2-4"W-2 C									
	PRIAXOR	4.17 SL		0.13 lb ai/a		4 fl oz/a	V8 D									
	HEADLINE AMP	1.68 SL		0.131 lb ai/a		10 fl oz/a	VT E									
	LSD (P=.05)								0.0	1.4	1.4	1.1	0.52	0.99	0.52	0.99
	Standard Deviation								0.0	0.9	0.9	0.8	0.35	0.66	0.35	0.67
	CV								0.0	0.97	0.97	1.07	54.56	80.8	54.56	72.11
	Replicate F								0.000	1.000	1.000	1.000	3.484	1.378	3.484	1.805
	Replicate Prob(F)								1.0000	0.4155	0.4155	0.4155	0.0375	0.2814	0.0375	0.1823
	Treatment F								0.000	23.400	23.400	16270.002	12.097	6.189	12.097	7.195
	Treatment Prob(F)								1.0000	0.0001	0.0001	0.0001	0.0001	0.0012	0.0001	0.0005

BASF Advanced Acre - Corn.

Trial ID: 14-50W Location: Belleville Res. Center Trial Year: 2014
Investigator: Ronald F. Krausz

Trial Comments

1. Protocol: BASF (US-HYC-A-UIL DL12014).
2. Ratings TBD.
3. Yield.
4. Special instructions at applications D and E, spray 5 ft, two center rows, mix amounts have been adjusted.
5. Special instructions for treatment 5 at V8, UREA (46-0-0) + LIMUS is hand spread not sprayed. Urea at 150 lb product per acre = 625 grams per plot.
6. Ratings at 14 DA-B and 14 DA-C were on 6-29-14 and 7-3-14, respectively. Ratings at 28 DA-B and 28 DA-C were on 7-13-14 and 7-17-14, respectively. Ratings at 56 DA-B and 56 DA-C were on 8-10-14 and 8-14-14, respectively.
7. CERCZM = *Cercospora zeae-maydis* (Grey leaf spot of maize).
8. Harvested 10-20-14, (2) 30 inch rows by 37 ft.