

# The Ohio State University

Trial ID: 13BAS2PASS      Location: WESTERN BRANCH F-8 M    Trial Year:  
 Protocol ID: 12BAS2PASS    Investigator: Dr. Mark M. Loux  
 Project ID: DEM-AWC-CORN01    Study Director: Anthony F. Dobbels  
 Sponsor Contact: Trevor Kraus, BASF

**Crop 1:** ZEAMX    Zea mays  
**Variety:** Dekalb DKC 61-21RIB  
**Description:** RR/LL

**Crop Description**  
 Corn  
**BBCH Scale:** BCOR

**Planting Rate, Unit:** 32097    S/A  
**Depth, Unit:** 2    IN  
**Row Spacing, Unit:** 30    IN  
**Soil Temperature, Unit:** 56    F  
**Soil Moisture:** NORMAL normal, adequate  
**Seed Bed:** MEDIUM medium

**Planting Date:** May-6-2013  
**Planting Method:** PLANTD planted  
**Planting Equipment:** FPP    Finger Pickup Planter  
**Emergence Date:** May-13-2013

### Pest Description

**Pest 1 Type:** W    **Code:** AMARE *Amaranthus retroflexus*  
**Common Name:** Redroot pigweed

**Pest 2 Type:** W    **Code:** IPOHE *Ipomoea hederacea*  
**Common Name:** Ivyleaf morningglory

**Pest 3 Type:** W    **Code:** CHEAL *Chenopodium album*  
**Common Name:** Common lambsquarters

**Pest 4 Type:** W    **Code:** AMBTR *Ambrosia trifida*  
**Common Name:** Giant ragweed

**Pest 5 Type:** W    **Code:** ABUTH *Abutilon theophrasti*  
**Common Name:** velvetleaf

**Pest 6 Type:** W    **Code:** SETFA *Setaria faberi*  
**Common Name:** Giant foxtail

**Pest 7 Type:** W    **Code:** STEME *Stellaria media*  
**Common Name:** Common chickweed

**Pest 8 Type:** W    **Code:** HIBTR *Hibiscus trionum*  
**Common Name:** Venice mallow

### Site and Design

**Treated Plot Width:** 6.67 FT  
**Treated Plot Length:** 40 FT  
**Treated Plot Area:** 266.8 FT<sup>2</sup>    **Treatments:** 10  
**Replications:** 4

**Site Type:** FIELD field  
**Experimental Unit:** 1 PLOT plot  
**Tillage Type:** CONTIL conventional-till  
**Study Design:** RACOB� Randomized Complete Block (RCB)

### Soil Description

**Description Name:** F-8 Middle  
**% OM:** 2      **Texture:** CL clay loam  
**pH:** 7      **Soil Name:** Celina  
**CEC:** 11.5    **Fert. Level:** G good  
**Soil Drainage:** G good

### Application Description

	A	B	C
<b>Application Date:</b>	May-6-2013	May-21-2013	Jun-7-2013
<b>Appl. Start Time:</b>	11:30 AM	9:15 AM	1:30 PM
<b>Appl. Stop Time:</b>	12:00 PM	9:30 AM	2:00 PM
<b>Application Method:</b>	SPRAY	SPRAY	SPRAY
<b>Application Timing:</b>	PRE	V3	POST
<b>Application Placement:</b>	BROSOI	BROFOL	BROFOL
<b>Applied By:</b>			DOBBELS
<b>Air Temperature, Unit:</b>	60 F	75 F	67 F
<b>% Relative Humidity:</b>	100	67	77
<b>Wind Velocity, Unit:</b>	7 MPH	5 MPH	1.5 MPH
<b>Wind Direction:</b>	SE	SW	NNW
<b>Dew Presence (Y/N):</b>	N no	N no	N no
<b>Soil Temperature, Unit:</b>	56 F	70 F	64 F
<b>Soil Moisture:</b>	NORMAL	NORMAL	MOIST
<b>% Cloud Cover:</b>	100	40	50
<b>Next Moisture Occurred On:</b>	May-6-2013	May-22-2013	Jun-10-2013
<b>Time to Next Moisture, Unit:</b>	1 HR	1 DAY	3 DAY

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## Crop Stage At Each Application

	A		B		C	
Crop 1 Code, BBCH Scale:	ZEAMX	BCOR	ZEAMX	BCOR	ZEAMX	BCOR
Stage Scale Used:	BBCH		BBCH		BBCH	
Stage Majority, Percent:	V3	100	16	100	13	100
Height, Unit:	3	IN	13	IN		
Height Minimum, Maximum:	2	3	13	14		

## Pest Stage At Each Application

	A		B		C	
Pest 1 Code, Type, Scale:	AMARE	W	AMARE	W	AMARE	W
Stage Majority, Percent:		12	100	16	50	
Stage Minimum, Percent:				16	50	
Stage Maximum, Percent:				18	50	
Height, Unit:		0.5	IN	1	IN	
Height Minimum, Maximum:		0.5	0.5	1	5	
Density, Unit:				20	M2	
Pest 2 Code, Type, Scale:	IPOHE	W	IPOHE	W	IPOHE	W
Stage Majority, Percent:		10	100	10	50	
Stage Minimum, Percent:				10	50	
Stage Maximum, Percent:				14	50	
Height, Unit:		1	IN	1.5	IN	
Height Minimum, Maximum:		1	1	1.5	3	
Density, Unit:				4	M2	
Pest 3 Code, Type, Scale:	CHEAL	W	CHEAL	W	CHEAL	W
Stage Majority, Percent:		12	100	19	100	
Stage Minimum, Percent:				19	100	
Stage Maximum, Percent:				19	100	
Height, Unit:		1	IN	8	IN	
Height Minimum, Maximum:		1	1	8	8	
Density, Unit:				24	M2	
Pest 4 Code, Type, Scale:	AMBTR	W	AMBTR	W	AMBTR	W
Stage Majority, Percent:		14	100	19	100	
Stage Minimum, Percent:				19	100	
Stage Maximum, Percent:				19	100	
Height, Unit:		3	IN	4	IN	
Height Minimum, Maximum:		1	3	4	14	
Density, Unit:				20	M2	
Pest 5 Code, Type, Scale:	ABUTH	W	ABUTH	W	ABUTH	W
Stage Majority, Percent:		11	100	16	75	
Stage Minimum, Percent:				10	25	
Stage Maximum, Percent:				16	75	
Height, Unit:		0.5	IN	8	IN	
Height Minimum, Maximum:		0.5	0.5	1	8	
Density, Unit:				4	M2	
Pest 6 Code, Type, Scale:	SETFA	W	SETFA	W	SETFA	W
Stage Majority, Percent:		13	100	14	100	
Stage Minimum, Percent:				14	100	
Stage Maximum, Percent:				14	100	
Height, Unit:		1	IN	6	IN	
Height Minimum, Maximum:		1	1	6	8	
Density, Unit:				144	M2	
Pest 7 Code, Type, Scale:	STEME	W	STEME	W	STEME	W
Stage Majority, Percent:		67	100			
Diameter, Unit:		3	IN			
Pest 8 Code, Type, Scale:	HIBTR	W	HIBTR	W	HIBTR	W
Stage Majority, Percent:				14	100	
Stage Minimum, Percent:				14	100	
Stage Maximum, Percent:				14	100	
Height, Unit:				1	IN	
Height Minimum, Maximum:				1	3	

## Application Equipment

	A		B		C	
Appl. Equipment:	6 foot boom	10' AI XR	10' AI XR	10' AI XR		
Equipment Type:	SPRBAC	SPRBAC	SPRBAC	SPRBAC		
Operation Pressure, Unit:	46	PSI	46	PSI	46	PSI
Nozzle Type:	AI XR	AI XR	AI XR	AI XR		
Nozzle Size:	110015	110015	110015	110015		
Nozzle Spacing, Unit:	18	IN	18	IN	18	IN
Boom Length, Unit:	6	FT	10	FT	10	FT
Boom Height, Unit:	20	IN	20	IN	20	IN
Ground Speed, Unit:	3	MPH	3	MPH	3	MPH
Carrier:	WATER	WATER	WATER	WATER		
Spray Volume, Unit:	15	GPA	15	GPA	15	GPA
Mix Size, Unit:	1	Liters	0.33	Gallons	0.33	Gallons
Propellant:	CO2	CO2	CO2	CO2		

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Investigator: Dr. Mark M. Loux  
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Pest Code	ZEAMX		SETFA	AMBTR	CHEAL	AMARE	ABUTH					
Crop Code	May-20-2013	Jun-7-2013	Jun-7-2013	Jun-7-2013	Jun-7-2013	Jun-7-2013	Jun-7-2013					
Rating Date				3	3							
Rating Type	PHYTO	PHYTO	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL					
Rating Unit	%	%	%	%	%	%	%					
Rating Timing	AT	POST	AT	POST	AT	POST	AT	POST				
Days After First/Last Applic.	14	14	32	17	32	17	32	17				
Trt-Eval Interval	14 DA-A	32 DA-A	32 DA-A	32 DA-A	32 DA-A	32 DA-A	32 DA-A	32 DA-A				
Plant-Eval Interval	14 DP-1	32 DP-1	32 DP-1	32 DP-1	32 DP-1	32 DP-1	32 DP-1	32 DP-1				
Days After Emergence	7 DE-1	25 DE-1	25 DE-1	25 DE-1	25 DE-1	25 DE-1	25 DE-1	25 DE-1				
Trt No.	Treatment Name	Other Rate	Other Rate	Growth Stage	Appl Code	1	2	3	4	5	6	7
1	UTC					0 a	0 a	0 c	0 c	0 c	0 b	0 c
2	Zidua	3 oz/a		PRE	A	0 a	0 a	93 b	42 b	90 a	100 a	97 a
	Status	5 oz/a		POST	C							
	Roundup PowerMax	22 oz/a		POST	C							
	NIS	4.8 oz/a		POST	C							
	N-PAK AMS	1.5 qt/a		POST	C							
3	Zidua	3 oz/a		PRE	A	0 a	0 a	95 b	47 b	96 a	100 a	98 a
	Armezon	0.75 oz/a		POST	C							
	Atrazine	1 pt/a		POST	C							
	Roundup PowerMax	22 oz/a		POST	C							
	MSO	0.6 qt/a		POST	C							
	N-PAK AMS	1.5 qt/a		POST	C							
4	Zidua	3 oz/a		V2	B	0 a	0 a	100 a	96 a	100 a	100 a	90 a
	Atrazine	2 qt/a		V2	B							
	Armezon	0.75 oz/a		V2	B							
	Roundup PowerMax	22 oz/a		V2	B							
	MSO	0.6 qt/a		V2	B							
	N-PAK AMS	1.5 qt/a		V2	B							
5	Verdict	18 oz/a		PRE	A	0 a	0 a	100 a	98 a	100 a	100 a	100 a
	Status	5 oz/a		POST	C							
	Roundup PowerMax	22 oz/a		POST	C							
	NIS	4.8 oz/a		POST	C							
	N-PAK AMS	1.5 qt/a		POST	C							
6	Verdict	18 oz/a		PRE	A	0 a	0 a	100 a	99 a	100 a	100 a	100 a
	Armezon	0.75 oz/a		POST	C							
	Atrazine	1 pt/a		POST	C							
	Roundup PowerMax	22 oz/a		POST	C							
	MSO	0.6 qt/a		POST	C							
	N-PAK AMS	1.5 qt/a		POST	C							
7	Guardsman Max	4 pt/a		V-2	B	0 a	0 a	100 a	99 a	100 a	100 a	90 a
	Armezon	0.75 oz/a		V-2	B							
	Roundup PowerMax	22 oz/a		V-2	B							
	MSO	0.6 qt/a		V-2	B							
	N-PAK AMS	1.5 qt/a		V-2	B							
8	Dual II Magnum	1.6 pt/a		PRE	A	0 a	0 a	100 a	42 b	63 b	100 a	50 b
	Roundup PowerMax	22 oz/a		POST	C							
	Laudis	3 oz/a		POST	C							
	Atrazine	1 pt/a		POST	C							
	NIS	4.8 oz/a		POST	C							
	N-PAK AMS	1.5 qt/a		POST	C							

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)  
t=Mean descriptions are reported in transformed data units, and are not de-transformed.  
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Pest Code	ZEAMX		ZEAMX		SETFA	AMBTR	CHEAL	AMARE	ABUTH			
Crop Code	ZEAMX		ZEAMX		SETFA	AMBTR	CHEAL	AMARE	ABUTH			
Rating Date	May-20-2013	Jun-7-2013	Jun-7-2013	Jun-7-2013	Jun-7-2013	Jun-7-2013	Jun-7-2013	Jun-7-2013	Jun-7-2013			
Rating Type	PHYTO	PHYTO	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL			
Rating Unit	%	%	%	%	%	%	%	%	%			
Rating Timing	AT POST		AT POST		AT POST		AT POST		AT POST			
Days After First/Last Applic.	14 14	32 17	32 17	32 17	32 17	32 17	32 17	32 17	32 17			
Trt-Eval Interval	14 DA-A	32 DA-A	32 DA-A	32 DA-A	32 DA-A	32 DA-A	32 DA-A	32 DA-A	32 DA-A			
Plant-Eval Interval	14 DP-1	32 DP-1	32 DP-1	32 DP-1	32 DP-1	32 DP-1	32 DP-1	32 DP-1	32 DP-1			
Days After Emergence	7 DE-1	25 DE-1	25 DE-1	25 DE-1	25 DE-1	25 DE-1	25 DE-1	25 DE-1	25 DE-1			
Trt No.	Treatment Name	Other Rate	Other Rate Unit	Growth Stage	Appl Code	1	2	3	4	5	6	7
9	Dual II Magnum	1.6 pt/a		PRE	A	0 a	0 a	100 a	53 b	70 b	100 a	77 a
9	Roundup PowerMax	22 oz/a		POST	C							
9	Callisto Xtra	1.5 pt/a		POST	C							
9	NIS	4.8 oz/a		POST	C							
9	N-PAK AMS	1.5 qt/a		POST	C							
10	Halex GT	3.6 pt/a		V-2	B	0 a	0 a	98 ab	89 a	100 a	100 a	100 a
10	Atrazine	1 pt/a		V-2	B							
10	NIS	4.8 oz/a		V-2	B							
10	N-PAK AMS	1.5 qt/a		V-2	B							
LSD (P=.05)						0.0	0.0	7.7t	13.1t	11.7	0.5	15.9
Standard Deviation						0.0	0.0	5.3t	9.0t	8.0	0.3	11.0
CV						0.0	0.0	6.91	15.85	9.82	0.35	13.68
Bartlett's X2						0.0	0.0	6.853	7.431	5.6	0.0	16.998
P(Bartlett's X2)						.	.	0.232	0.491	0.133	.	0.005*
Skewness						.	.	-2.4324*	-0.6204	-1.8577*	-2.7712*	-1.5648*
Kurtosis						.	.	4.7093*	-0.338	2.4264*	5.9772*	1.2805
Replicate F						0.000	0.000	2.136	0.229	1.197	1.000	3.924
Replicate Prob(F)						1.0000	1.0000	0.1189	0.8757	0.3298	0.4079	0.0191
Treatment F						0.000	0.000	107.932	36.989	62.872	39956.560	34.432
Treatment Prob(F)						1.0000	1.0000	0.0001	0.0001	0.0001	0.0001	0.0001

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Pest Code				POLPY	SOLPT	HIBTR	SETFA	AMBTR	CHEAL	AMARE		
Crop Code				Jun-7-2013	Jun-7-2013	Jun-7-2013	Jul-5-2013	Jul-2-2013	Jul-2-2013	Jul-2-2013		
Rating Date						3						
Rating Type				CONTROL	CONTROL	CONTROL	CONTRO	CONTROL	CONTROL	CONTRO		
Rating Unit				%	%	%	%	%	%	%		
Rating Timing				AT POST	AT POST	AT POST	L	L	L	L		
Days After First/Last Applic.				32 17	32 17	32 17	60 28	57 25	57 25	57 25		
Trt-Eval Interval				32 DA-A	32 DA-A	32 DA-A	28 DA-C	28 DA-C	28 DA-C	28 DA-C		
Plant-Eval Interval				32 DP-1	32 DP-1	32 DP-1	60 DP-1	57 DP-1	57 DP-1	57 DP-1		
Days After Emergence				25 DE-1	25 DE-1	25 DE-1	53 DE-1	50 DE-1	50 DE-1	50 DE-1		
Trt No.	Treatment Name	Other Rate	Other Rate Unit	Growth Stage	Appl Code	8	9	10	11	12	13	14
1	UTC					0 b	0 b	0 c	0 c	0 c	0 c	0 b
2	Zidua	3 oz/a		PRE	A	96 a	100 a	98 a	100 a	93 ab	100 a	100 a
	Status	5 oz/a		POST	C							
	Roundup PowerMax	22 oz/a		POST	C							
	NIS	4.8 oz/a		POST	C							
	N-PAK AMS	1.5 qt/a		POST	C							
3	Zidua	3 oz/a		PRE	A	100 a	100 a	100 a	100 a	92 ab	100 a	100 a
	Armezon	0.75 oz/a		POST	C							
	Atrazine	1 pt/a		POST	C							
	Roundup PowerMax	22 oz/a		POST	C							
	MSO	0.6 qt/a		POST	C							
	N-PAK AMS	1.5 qt/a		POST	C							
4	Zidua	3 oz/a		V2	B	100 a	100 a	100 a	100 a	87 b	93 b	100 a
	Atrazine	2 qt/a		V2	B							
	Armezon	0.75 oz/a		V2	B							
	Roundup PowerMax	22 oz/a		V2	B							
	MSO	0.6 qt/a		V2	B							
	N-PAK AMS	1.5 qt/a		V2	B							
5	Verdict	18 oz/a		PRE	A	100 a	100 a	100 a	99 a	98 ab	100 a	100 a
	Status	5 oz/a		POST	C							
	Roundup PowerMax	22 oz/a		POST	C							
	NIS	4.8 oz/a		POST	C							
	N-PAK AMS	1.5 qt/a		POST	C							
6	Verdict	18 oz/a		PRE	A	100 a	100 a	100 a	100 a	100 ab	100 a	100 a
	Armezon	0.75 oz/a		POST	C							
	Atrazine	1 pt/a		POST	C							
	Roundup PowerMax	22 oz/a		POST	C							
	MSO	0.6 qt/a		POST	C							
	N-PAK AMS	1.5 qt/a		POST	C							
7	Guardsman Max	4 pt/a		V-2	B	100 a	100 a	100 a	100 a	87 b	100 a	100 a
	Armezon	0.75 oz/a		V-2	B							
	Roundup PowerMax	22 oz/a		V-2	B							
	MSO	0.6 qt/a		V-2	B							
	N-PAK AMS	1.5 qt/a		V-2	B							
8	Dual II Magnum	1.6 pt/a		PRE	A	99 a	100 a	74 b	100 a	99 ab	100 a	100 a
	Roundup PowerMax	22 oz/a		POST	C							
	Laudis	3 oz/a		POST	C							
	Atrazine	1 pt/a		POST	C							
	NIS	4.8 oz/a		POST	C							
	N-PAK AMS	1.5 qt/a		POST	C							

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Pest Code	POLPY	SOLPT	HIBTR	SETFA	AMBTR	CHEAL	AMARE
Crop Code							
Rating Date	Jun-7-2013	Jun-7-2013	Jun-7-2013	Jul-5-2013	Jul-2-2013	Jul-2-2013	Jul-2-2013
Rating Type	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	%	%	%	L	%	%	L
Rating Timing	AT POST	AT POST	AT POST				
Days After First/Last Applic.	32 17	32 17	32 17	60 28	57 25	57 25	57 25
Trt-Eval Interval	32 DA-A	32 DA-A	32 DA-A	28 DA-C	28 DA-C	28 DA-C	28 DA-C
Plant-Eval Interval	32 DP-1	32 DP-1	32 DP-1	60 DP-1	57 DP-1	57 DP-1	57 DP-1
Days After Emergence	25 DE-1	25 DE-1	25 DE-1	53 DE-1	50 DE-1	50 DE-1	50 DE-1

Trt No.	Treatment Name	Other Rate	Other Rate Unit	Growth Stage	Appl Code	8	9	10	11	12	13	14
9	Dual II Magnum	1.6 pt/a		PRE	A	100 a	100 a	85 ab	100 a	100 a	100 a	100 a
9	Roundup PowerMax	22 oz/a		POST	C							
9	Callisto Xtra	1.5 pt/a		POST	C							
9	NIS	4.8 oz/a		POST	C							
9	N-PAK AMS	1.5 qt/a		POST	C							
10	Halex GT	3.6 pt/a		V-2	B	100 a	100 a	100 a	93 b	90 ab	100 a	100 a
10	Atrazine	1 pt/a		V-2	B							
10	NIS	4.8 oz/a		V-2	B							
10	N-PAK AMS	1.5 qt/a		V-2	B							
LSD (P=.05)						8.9t	0.0	13.9	7.1t	11.6t	4.0	0.0
Standard Deviation						6.1t	0.0	9.6	4.9t	8.0t	2.7	0.0
CV						7.76	0.0	11.21	6.27	11.5	3.06	0.0
Bartlett's X2						5.561	0.0	22.272	3.243	12.229	12.76	0.0
P(Bartlett's X2)						0.062	.	0.001*	0.518	0.141	0.001*	.
Skewness						-2.5334*	-2.7717*	-2.2059*	-2.5314*	-2.0394*	-2.7158*	-2.7717*
Kurtosis						5.015*	5.9791*	3.5909*	5.0706*	3.5958*	5.7656*	5.9791*
Replicate F						0.501	0.000	0.939	0.224	0.318	1.074	0.000
Replicate Prob(F)						0.6848	1.0000	0.4357	0.8787	0.8122	0.3765	1.0000
Treatment F						83.543	0.000	42.716	129.434	40.685	529.286	0.000
Treatment Prob(F)						0.0001	1.0000	0.0001	0.0001	0.0001	0.0001	1.0000

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Pest Code	ABUTH		POLPY		SOLPT		HIBTR			
Crop Code	Jul-2-2013		Jul-2-2013		Jul-2-2013		Jul-2-2013			
Rating Date	CONTRO		CONTRO		CONTRO		CONTROL			
Rating Type	L		L		L		L			
Rating Unit	%		%		%		%			
Rating Timing										
Days After First/Last Applic.	57	25	57	25	57	25	57	25		
Trt-Eval Interval	28 DA-C		28 DA-C		28 DA-C		28 DA-C			
Plant-Eval Interval	57 DP-1		57 DP-1		57 DP-1		57 DP-1			
Days After Emergence	50 DE-1		50 DE-1		50 DE-1		50 DE-1			
Trt No.	Treatment Name	Other Rate	Other Rate	Unit	Growth Stage	Appl Code	15	16	17	18
1	UTC						0 b	0 b	0 b	0 b
2	Zidua	3 oz/a			PRE	A	100 a	100 a	100 a	100 a
2	Status	5 oz/a			POST	C				
2	Roundup PowerMax	22 oz/a			POST	C				
2	NIS	4.8 oz/a			POST	C				
2	N-PAK AMS	1.5 qt/a			POST	C				
3	Zidua	3 oz/a			PRE	A	100 a	100 a	100 a	100 a
3	Armezon	0.75 oz/a			POST	C				
3	Atrazine	1 pt/a			POST	C				
3	Roundup PowerMax	22 oz/a			POST	C				
3	MSO	0.6 qt/a			POST	C				
3	N-PAK AMS	1.5 qt/a			POST	C				
4	Zidua	3 oz/a			V2	B	100 a	100 a	100 a	100 a
4	Atrazine	2 qt/a			V2	B				
4	Armezon	0.75 oz/a			V2	B				
4	Roundup PowerMax	22 oz/a			V2	B				
4	MSO	0.6 qt/a			V2	B				
4	N-PAK AMS	1.5 qt/a			V2	B				
5	Verdict	18 oz/a			PRE	A	99 a	100 a	100 a	100 a
5	Status	5 oz/a			POST	C				
5	Roundup PowerMax	22 oz/a			POST	C				
5	NIS	4.8 oz/a			POST	C				
5	N-PAK AMS	1.5 qt/a			POST	C				
6	Verdict	18 oz/a			PRE	A	100 a	100 a	100 a	100 a
6	Armezon	0.75 oz/a			POST	C				
6	Atrazine	1 pt/a			POST	C				
6	Roundup PowerMax	22 oz/a			POST	C				
6	MSO	0.6 qt/a			POST	C				
6	N-PAK AMS	1.5 qt/a			POST	C				
7	Guardsman Max	4 pt/a			V-2	B	99 a	100 a	100 a	100 a
7	Armezon	0.75 oz/a			V-2	B				
7	Roundup PowerMax	22 oz/a			V-2	B				
7	MSO	0.6 qt/a			V-2	B				
7	N-PAK AMS	1.5 qt/a			V-2	B				
8	Dual II Magnum	1.6 pt/a			PRE	A	100 a	96 a	100 a	100 a
8	Roundup PowerMax	22 oz/a			POST	C				
8	Laudis	3 oz/a			POST	C				
8	Atrazine	1 pt/a			POST	C				
8	NIS	4.8 oz/a			POST	C				
8	N-PAK AMS	1.5 qt/a			POST	C				

# The Ohio State University

Pest Code	ABUTH		POLPY		SOLPT		HIBTR		
Crop Code	Jul-2-2013		Jul-2-2013		Jul-2-2013		Jul-2-2013		
Rating Date	CONTR0		CONTR0		CONTR0		CONTR0		
Rating Type	L		L		L		L		
Rating Unit	%		%		%		%		
Rating Timing									
Days After First/Last Applic.	57	25	57	25	57	25	57	25	
Trt-Eval Interval	28 DA-C		28 DA-C		28 DA-C		28 DA-C		
Plant-Eval Interval	57 DP-1		57 DP-1		57 DP-1		57 DP-1		
Days After Emergence	50 DE-1		50 DE-1		50 DE-1		50 DE-1		
Trt No.	Treatment Name	Other Rate	Other Rate Unit	Growth Stage	Appl Code	15	16	17	18
9	Dual II Magnum	1.6 pt/a		PRE	A	100 a	100 a	100 a	100 a
9	Roundup PowerMax	22 oz/a		POST	C				
9	Callisto Xtra	1.5 pt/a		POST	C				
9	NIS	4.8 oz/a		POST	C				
9	N-PAK AMS	1.5 qt/a		POST	C				
10	Halex GT	3.6 pt/a		V-2	B	100 a	100 a	100 a	96 a
10	Atrazine	1 pt/a		V-2	B				
10	NIS	4.8 oz/a		V-2	B				
10	N-PAK AMS	1.5 qt/a		V-2	B				
LSD (P=.05)						1.7	3.4	0.0	3.4
Standard Deviation						1.2	2.4	0.0	2.4
CV						1.3	2.65	0.0	2.65
Bartlett's X2						2.468	0.0	0.0	0.0
P(Bartlett's X2)						0.291	.	.	.
Skewness						-2.7647*	-2.7431*	-2.7717*	-2.7431*
Kurtosis						5.9542*	5.869*	5.9791*	5.869*
Replicate F						0.932	1.000	0.000	1.000
Replicate Prob(F)						0.4388	0.4079	1.0000	0.4079
Treatment F						2923.970	706.185	0.000	706.185
Treatment Prob(F)						0.0001	0.0001	1.0000	0.0001



# The Ohio State University

Trial ID: 13BAS2PASS  
Protocol ID: 12BAS2PASS  
Project ID: DEM-AWC-CORN01

Location: WESTERN BRANCH F-8 M Trial Year:  
Investigator: Dr. Mark M. Loux  
Study Director: Anthony F. Dobbels  
Sponsor Contact: Trevor Kraus, BASF

Pest Code

SETFA, *Setaria faberi*, = US  
AMBTR, *Ambrosia trifida*, = US  
CHEAL, *Chenopodium album*, = US  
AMARE, *Amaranthus retroflexus*, = US  
ABUTH, *Abutilon theophrasti*, = US  
POLPY, *Persicaria pensylvanica*, = US  
SOLPT, *Solanum ptycanthum*, = US  
HIBTR, *Hibiscus trionum*, = US

Crop Code

ZEAMX, BCOR, *Zea mays*, = US

Rating Unit

% = percent

Plant-Eval Interval

14 DP-1 = 1 ZEAMX May-6-2013  
32 DP-1 = 1 ZEAMX May-6-2013  
60 DP-1 = 1 ZEAMX May-6-2013  
57 DP-1 = 1 ZEAMX May-6-2013