

# The Ohio State University

## Anthem Maxx / Anthem ATZ - Pre and Post Combinations University 2016

Trial ID: 16FMCCORN      Location:      Trial Year: 2016  
 Protocol ID: 16FMCCORN      Investigator: Dr. Mark M. Loux  
 Project ID:      Study Director:  
                                  Sponsor Contact:

### General Trial Information

**Study Director:** Anthony Dobbels  
**Investigator:** Dr. Mark M. Loux

### Trial Location

**City:** South Charleston      **Country:** USA United States  
**State/Prov.:** Ohio  
**Postal Code:** 45368      **Climate Zone:** USWARM US Warm Continental

**Latitude of LL Corner** °: 39.86021      N  
**Longitude of LL Corner** °: 83.6708      W  
**Altitude of LL Corner, Unit:** 1081.00 FT

**Conducted Under GLP:** No  
**Conducted Under GEP:** No

### Contacts

**Study Director:** Anthony Dobbels

**Investigator:** Dr. Mark M. Loux

**Crop 1:** ZEAMX      Zea mays  
**Variety:** P1197AMXT  
**Description:** Pioneer RR/LL 111 RM

**Planting Rate, Unit:** 32097 S/A  
**Depth, Unit:** 1.5 IN  
**Row Spacing, Unit:** 30 IN

**Soil Temperature, Unit:** 52 F  
**Soil Moisture:** NORMAL normal, adequate  
**Seed Bed:** MEDIUM medium

### Crop Description

Corn  
**Planting Date:** 4-20-2016  
**Planting Method:** SEEDED      seeded  
**Planting Equipment:** FPP      Finger Pickup Planter  
**Emergence Date:** 5-1-2016  
**Harvest Date:** 9-27-2016  
**Harvested Width, Unit:** 5      FT  
**Harvested Length, Unit:** 40      FT  
**Harvest Equipment:** Massey Ferguson 8 XP  
**% Standard Moisture:** 15.5  
**Moisture Meter:** Harvest Master  
**Weighing Equipment:** Harvest Master HM 800

### Pest Description

**Pest 1 Type:** W      **Code:** SETFA *Setaria faberi*  
**Common Name:** Giant foxtail

**Pest 2 Type:** W      **Code:** AMBTR *Ambrosia trifida*  
**Common Name:** Giant ragweed

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

**Pest 4 Type:** W      **Code:** AMARE *Amaranthus retroflexus*  
**Common Name:** Redroot pigweed

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

**Pest 6 Type:** W      **Code:** POLPY *Persicaria pensylvanica*  
**Common Name:** Pennsylvania smartweed

**Pest 7 Type:** W      **Code:** CONSS *Convolvulus sp.*  
**Common Name:** Morningglory

### Site and Design

**Treated Plot Width:** 10 FT  
**Treated Plot Length:** 30 FT  
**Treated Plot Area:** 300 FT<sup>2</sup>      **Treatments:** 12  
**Replications:** 4

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

### No. Previous Crop Year

1. Soybean      2015

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### Soil Description

Description Name: F-7 East  
 % OM: 2      Texture: SIC silty clay  
 pH: 6.9      Soil Name: Crosby  
 CEC: 14      Fert. Level: G good  
 Soil Drainage: G good

### Application Description

	A	B	C
Application Date:	4-20-2016	5-19-2016	6-1-2016
Appl. Start Time:	11:45 AM	9:30 AM	8:30 AM
Appl. Stop Time:	12:00 AM	10:00 AM	8:45 AM
Application Method:	SPRAY	SPRAY	SPRAY
Application Timing:	PRE	POEMSE	POST
Application Placement:	BROSOI	FOLIAR	BROFOL
Applied By:	Dobbels	Loux	Bolte
Air Temperature, Unit:	65 f	57 F	72 F
% Relative Humidity:	33	52	20
Wind Velocity, Unit:	6 MPH	8 MPH	4 MPH
Wind Direction:	E	NNE	NE
Dew Presence (Y/N):	N no	N no	N no
Soil Temperature, Unit:	52 F	52 F	64 F
Soil Moisture:	NORMAL	NORMAL	NORMAL
% Cloud Cover:	20	0	5
Next Moisture Occurred On:	4-21-2016	5-20-2016	6-4-2016
Time to Next Moisture, Unit:	1 DAY	1 DAY	3 DAY

### Crop Stage At Each Application

	A		B		C	
Crop 1 Code, BBCH Scale:	ZEAMX	BCOR	ZEAMX	BCOR	ZEAMX	BCOR
Stage Scale Used:			V3		V5	
Height, Unit:			4	IN	10	IN
Height Minimum, Maximum:			4	5	8	10

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### Pest Stage At Each Application

	A	B	C
<b>Pest 1 Code, Type, Scale:</b>	SETFA W	SETFA W	SETFA W
<b>Stage Majority, Percent:</b>		13 100	16 60
<b>Stage Minimum, Percent:</b>			14 40
<b>Stage Maximum, Percent:</b>			16 60
<b>Height, Unit:</b>		3 IN	3 IN
<b>Height Minimum, Maximum:</b>		2 3	2 4
<b>Density, Unit:</b>			1038 m2
<b>Pest 2 Code, Type, Scale:</b>	AMBTR W	AMBTR W	AMBTR W
<b>Stage Majority, Percent:</b>		12 100	18 60
<b>Stage Minimum, Percent:</b>			16 40
<b>Stage Maximum, Percent:</b>			18 60
<b>Height, Unit:</b>		2 IN	5 IN
<b>Height Minimum, Maximum:</b>		1 3	4 6
<b>Density, Unit:</b>			21.2 m2
<b>Pest 3 Code, Type, Scale:</b>	CHEAL W	CHEAL W	CHEAL W
<b>Stage Majority, Percent:</b>		14 100	18 60
<b>Stage Minimum, Percent:</b>			16 40
<b>Stage Maximum, Percent:</b>			18 60
<b>Height, Unit:</b>		1 IN	3 IN
<b>Height Minimum, Maximum:</b>		0.5 1.5	2 4
<b>Density, Unit:</b>			44 m2
<b>Pest 4 Code, Type, Scale:</b>	AMARE W	AMARE W	AMARE W
<b>Stage Majority, Percent:</b>		12 100	
<b>Height, Unit:</b>		0.5 IN	
<b>Height Minimum, Maximum:</b>		0.25 1	
<b>Density, Unit:</b>			55.9 m2
<b>Pest 5 Code, Type, Scale:</b>	ABUTH W	ABUTH W	ABUTH W
<b>Stage Majority, Percent:</b>		12 100	
<b>Height, Unit:</b>		2 IN	
<b>Height Minimum, Maximum:</b>		1 3	
<b>Pest 6 Code, Type, Scale:</b>	POLPY W	POLPY W	POLPY W
<b>Stage Majority, Percent:</b>		13 100	19 60
<b>Stage Minimum, Percent:</b>			14 40
<b>Stage Maximum, Percent:</b>			19 60
<b>Height, Unit:</b>		1.5 IN	3 IN
<b>Height Minimum, Maximum:</b>		1 2	2 4
<b>Density, Unit:</b>			8 m2
<b>Pest 7 Code, Type, Scale:</b>	CONSS W	CONSS W	CONSS W
<b>Stage Majority, Percent:</b>			14 60
<b>Stage Minimum, Percent:</b>			12 40
<b>Stage Maximum, Percent:</b>			14 60
<b>Height, Unit:</b>			1.5 IN
<b>Height Minimum, Maximum:</b>			1 2
<b>Density, Unit:</b>			7.3 m2

### Application Equipment

	A	B	C
<b>Appl. Equipment:</b>	10' AI XR	10' AI XR	10' AI XR
<b>Equipment Type:</b>	SPRBAC	SPRBAC	SPRBAC
<b>Operation Pressure, Unit:</b>	46 PSI	46 PSI	46 PSI
<b>Nozzle Type:</b>	AI XR	AI XR	AI XR
<b>Nozzle Size:</b>	110015	110015	110015
<b>Nozzle Spacing, Unit:</b>	18 IN	18 IN	18 IN
<b>Boom Length, Unit:</b>	10 FT	10 FT	10 FT
<b>Boom Height, Unit:</b>	20 IN	20 IN	20 IN
<b>Ground Speed, Unit:</b>	3 MPH	3 MPH	3 MPH
<b>Carrier:</b>	WATER	WATER	WATER
<b>Spray Volume, Unit:</b>	15 GPA	15 GPA	15 GPA
<b>Mix Size, Unit:</b>	2 Liters	2 Liters	2 Liters
<b>Propellant:</b>	CO2	CO2	CO2

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Pest Type	W Weed	W Weed	W Weed	W Weed	W Weed					
Pest Code	SETFA	AMBTR	CHEAL	POLPY	SETFA					
Pest Name	Giant foxtail	Giant ragweed	Common lambsqu	Pennsylvania s>	Giant foxtail					
Crop Code	ZEAMX									
Crop Name	Corn									
Rating Date	5-23-2016	5-23-2016	5-23-2016	5-23-2016	6-22-2016					
Rating Type	PHYGEN	CONTRO	CONTRO	CONTRO	CONTRO					
Rating Unit	%	%	%	%	%					
Number of Subsamples	1	1	1	1	1					
Days After First/Last Applic.	- 4	- 4	- 4	- 4	63 21					
Trt-Eval Interval										
Days After Emergence	22 DE-1	22 DE-1	22 DE-1	22 DE-1	52 DE-1					
ARM Action Codes										
Number of Decimals	0	0	0	0	0					
Trt No.	Treatment Name	Other Rate	Other Rate	Appl Unit Code	1*	2*	3*	4*	5*	6*
1	Anthem Maxx	4 oz/a		A	0 c	100 a	45 f	96 b	100 a	100 a
1	Solstice	2.5 oz/a		C						
1	Atrazine	1.5 qt/a		C						
1	Roundup PowerMax	32 oz/a		C						
1	COC	1 % v/v		C						
1	N PAK AMS	2.5 % v/v		C						
2	Anthem Maxx	4 oz/a		A	0 c	100 a	66 e	100 a	100 a	99 a
2	Atrazine	1 qt/a		A						
2	Solstice	2.5 oz/a		C						
2	Atrazine	0.5 qt/a		C						
2	Roundup PowerMax	32 oz/a		C						
2	COC	1 % v/v		C						
2	N PAK AMS	2.5 % v/v		C						
3	Anthem Maxx	4 oz/a		A	0 c	100 a	69 de	100 a	100 a	100 a
3	Atrazine	1 qt/a		A						
3	Roundup PowerMax	32 oz/a		C						
3	N PAK AMS	2.5 % v/v		C						
4	Anthem Maxx	4 oz/a		A	0 c	100 a	90 ab	100 a	100 a	100 a
4	Hornet	3 oz/a		A						
4	Atrazine	0.5 qt/a		C						
4	Roundup PowerMax	32 oz/a		C						
4	COC	1 % v/v		C						
4	N PAK AMS	2.5 % v/v		C						
5	Acuron	2.5 qt/a		A	0 c	100 a	85 abc	100 a	100 a	100 a
5	Roundup PowerMax	32 oz/a		C						
5	N PAK AMS	2.5 % v/v		C						
6	Corvus	5.6 oz/a		A	0 c	100 a	92 a	100 a	100 a	85 bc
6	Atrazine	1 qt/a		A						
6	Roundup PowerMax	32 oz/a		C						
6	N PAK AMS	2.5 % v/v		C						
7	Verdict	16 oz/a		A	0 c	100 a	90 ab	100 a	100 a	87 b
7	Roundup PowerMax	32 oz/a		C						
7	N PAK AMS	2.5 % v/v		C						

Means followed by same letter or symbol do not significantly differ (P=.05, LSD)  
 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.  
 \* Adjusted means  
 Could not calculate LSD (% mean diff) for columns 2,5,8,9,10,11,14,15,16,17 because error mean square = 0.

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Pest Code	SETFA	AMBTR	CHEAL	POLPY	SETFA				
Pest Name	Giant foxtail	Giant ragweed	Common lambsqu	Pennsylvania s>	Giant foxtail				
Crop Code	ZEAMX								
Crop Name	Corn								
Rating Date	5-23-2016	5-23-2016	5-23-2016	5-23-2016	6-22-2016				
Rating Type	PHYGEN	CONTRO	CONTRO	CONTRO	CONTRO				
Rating Unit	%	%	%	%	%				
Number of Subsamples	1	1	1	1	1				
Days After First/Last Applic.	- 4	- 4	- 4	- 4	63 21				
Trt-Eval Interval									
Days After Emergence	22 DE-1	22 DE-1	22 DE-1	22 DE-1	52 DE-1				
ARM Action Codes	AA								
Number of Decimals	0	0	0	0	0				
Trt Treatment No. Name	Other Rate	Other Rate	Appl Unit Code	1*	2*	3*	4*	5*	6*
8 Solstice	3.15 oz/a		B	9 ab	0 b	78 cd	100 a	100 a	53 d
8 Atrazine	1 qt/a		B						
8 Roundup PowerMax	32 oz/a		B						
8 COC	1 % v/v		B						
8 N PAK AMS	2.5 % v/v		B						
9 Solstice	2.5 oz/a		B	10 a	0 b	80 bc	100 a	100 a	83 bc
9 Anthem Maxx	2 oz/a		B						
9 Roundup PowerMax	32 oz/a		B						
9 COC	1 % v/v		B						
9 N PAK AMS	2.5 % v/v		B						
10 Solstice	2.5 oz/a		B	9 b	0 b	80 bc	100 a	100 a	75 c
10 Anthem Maxx	2 oz/a		B						
10 Atrazine	0.5 qt/a		B						
10 Roundup PowerMax	32 oz/a		B						
10 COC	1 % v/v		B						
10 N PAK AMS	2.5 % v/v		B						
11 Anthem Maxx	2 oz/a		B						
11 Hornet	3 oz/a		B						
11 Atrazine	0.5 qt/a		B						
11 Roundup PowerMax	32 oz/a		B						
11 COC	1 % v/v		B						
11 N PAK AMS	2.5 % v/v		B						
12 Halex GT	3.6 pt/a		B	0 c	0 b	0 g	0 c	0 b	87 b
12 NIS	0.25 % v/v		B						
12 N PAK AMS	2.5 % v/v		B						
LSD P=.05	1.0	.		11.1		3.3		.	2.6 - 13.5
Standard Deviation	0.7	0.0		7.7		2.3		0.0	5.5t
CV	26.59	0.0		10.9		2.5		0.0	7.43t
Bartlett's X2	0.061	0.0		6.781		0.0		0.0	9.39
P(Bartlett's X2)	0.805	.		0.452		.		.	0.496
Skewness	1.1378*	-0.5872		-1.6081*		-2.918*		-2.9475*	-0.4571
Kurtosis	-0.6464	-1.7364*		1.9406*		6.8827*		7.0044*	-0.6585
Replicate F	1.667	0.000		5.383		1.000		0.000	1.530
Replicate Prob(F)	0.1952	1.0000		0.0044		0.4064		1.0000	0.2269
Treatment F	166.939	0.000		49.458		706.778		0.000	26.557
Treatment Prob(F)	0.0001	1.0000		0.0001		0.0001		1.0000	0.0001

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Pest Type	W Weed	W Weed	W Weed	W Weed	W Weed	W Weed				
Pest Code	AMBTR	CHEAL	AMARE	ABUTH	POLPY	SETFA				
Pest Name	Giant ragweed	Common lambsqu>	Redroot pigweed	velvetleaf	Pennsylvania s>	Giant foxtail				
Crop Code										
Crop Name										
Rating Date	6-22-2016	6-22-2016	6-22-2016	6-22-2016	6-22-2016	7-20-2016				
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO				
Rating Unit	%	%	%	%	%	%				
Number of Subsamples	1	1	1	1	1	1				
Days After First/Last Applic.	63 21	63 21	63 21	63 21	63 21	91 49				
Trt-Eval Interval						62 DA-B				
Days After Emergence	52 DE-1	52 DE-1	52 DE-1	52 DE-1	52 DE-1	80 DE-1				
ARM Action Codes	AA	ET8	ET12		ET12	AA				
Number of Decimals	0	0	0	0	0	0				
Trt No.	Treatment Name	Other Rate	Other Rate	Appl Unit Code	7*	8*	9*	10*	11*	12*
1	Anthem Maxx	4 oz/a		A	85 ab	100 a	100 -	100 -	100 -	98 a
1	Solstice	2.5 oz/a		C						
1	Atrazine	1.5 qt/a		C						
1	Roundup PowerMax	32 oz/a		C						
1	COC	1 % v/v		C						
1	N PAK AMS	2.5 % v/v		C						
2	Anthem Maxx	4 oz/a		A	84 ab	100	100 -	100 -	100 -	99 a
2	Atrazine	1 qt/a		A						
2	Solstice	2.5 oz/a		C						
2	Atrazine	0.5 qt/a		C						
2	Roundup PowerMax	32 oz/a		C						
2	COC	1 % v/v		C						
2	N PAK AMS	2.5 % v/v		C						
3	Anthem Maxx	4 oz/a		A	86 ab	100	100 -	100 -	100 -	97 a
3	Atrazine	1 qt/a		A						
3	Roundup PowerMax	32 oz/a		C						
3	N PAK AMS	2.5 % v/v		C						
4	Anthem Maxx	4 oz/a		A	95 a	100	100 -	100 -	100 -	100 a
4	Hornet	3 oz/a		A						
4	Atrazine	0.5 qt/a		C						
4	Roundup PowerMax	32 oz/a		C						
4	COC	1 % v/v		C						
4	N PAK AMS	2.5 % v/v		C						
5	Acuron	2.5 qt/a		A	93 a	100	100 -	100 -	100 -	99 a
5	Roundup PowerMax	32 oz/a		C						
5	N PAK AMS	2.5 % v/v		C						
6	Corvus	5.6 oz/a		A	85 ab	100	100 -	100 -	100 -	81 b
6	Atrazine	1 qt/a		A						
6	Roundup PowerMax	32 oz/a		C						
6	N PAK AMS	2.5 % v/v		C						
7	Verdict	16 oz/a		A	87 ab	100	100 -	100 -	100 -	85 b
7	Roundup PowerMax	32 oz/a		C						
7	N PAK AMS	2.5 % v/v		C						

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Pest Code	AMBTR	CHEAL	AMARE	ABUTH	POLPY	SETFA		
Pest Name	Giant ragweed	Common lambsqu	Redroot pigweed	velvetleaf	Pennsylvania s>	Giant foxtail		
Crop Code								
Crop Name								
Rating Date	6-22-2016	6-22-2016	6-22-2016	6-22-2016	6-22-2016	7-20-2016		
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO		
Rating Unit	%	%	%	%	%	%		
Number of Subsamples	1	1	1	1	1	1		
Days After First/Last Applic.	63 21	63 21	63 21	63 21	63 21	91 49		
Trt-Eval Interval						62 DA-B		
Days After Emergence	52 DE-1	52 DE-1	52 DE-1	52 DE-1	52 DE-1	80 DE-1		
ARM Action Codes	AA	ET8	ET12		ET12	AA		
Number of Decimals	0	0	0	0	0	0		
Trt Treatment No. Name	Other Rate	Other Rate Unit Code	7*	8*	9*	10*	11*	12*
8 Solstice	3.15 oz/a	B	70 b	95	100 -	100 -	100 -	34 c
8 Atrazine	1 qt/a	B						
8 Roundup PowerMax	32 oz/a	B						
8 COC	1 % v/v	B						
8 N PAK AMS	2.5 % v/v	B						
9 Solstice	2.5 oz/a	B	74 b	100	100 -	100 -	100 -	81 b
9 Anthem Maxx	2 oz/a	B						
9 Roundup PowerMax	32 oz/a	B						
9 COC	1 % v/v	B						
9 N PAK AMS	2.5 % v/v	B						
10 Solstice	2.5 oz/a	B	75 b	100	100 -	100 -	100 -	73 b
10 Anthem Maxx	2 oz/a	B						
10 Atrazine	0.5 qt/a	B						
10 Roundup PowerMax	32 oz/a	B						
10 COC	1 % v/v	B						
10 N PAK AMS	2.5 % v/v	B						
11 Anthem Maxx	2 oz/a	B						
11 Hornet	3 oz/a	B						
11 Atrazine	0.5 qt/a	B						
11 Roundup PowerMax	32 oz/a	B						
11 COC	1 % v/v	B						
11 N PAK AMS	2.5 % v/v	B						
12 Halex GT	3.6 pt/a	B	71 b	100	99	100 -	93	85 b
12 NIS	0.25 % v/v	B						
12 N PAK AMS	2.5 % v/v	B						
LSD P=.05			12.2 - 16.2	.	.	.	.	6.3 - 21.7
Standard Deviation			8.0t	0.0	0.0	0.0	0.0	8.7t
CV			12.14t	0.0	0.0	0.0	0.0	12.4t
Bartlett's X2			8.691	0.0	0.0	0.0	0.0	14.331
P(Bartlett's X2)			0.562	.	.	.	.	0.158
Skewness			0.3405	.	.	.	.	-0.6251
Kurtosis			0.9718	.	.	.	.	0.1063
Replicate F			0.460	0.000	0.000	0.000	0.000	2.130
Replicate Prob(F)			0.7126	1.0000	1.0000	1.0000	1.0000	0.1173
Treatment F			2.746	0.000	0.000	0.000	0.000	12.227
Treatment Prob(F)			0.0157	1.0000	1.0000	1.0000	1.0000	0.0001

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Pest Type	W Weed	W Weed	W Weed	W Weed	W Weed				
Pest Code	AMBTR	CHEAL	AMARE	ABUTH	POLPY				
Pest Name	Giant ragweed	common lambsqu>	Redroot pigweed	velvetleaf	annual smartwe>				
Crop Code									
Crop Name									
Rating Date	7-20-2016	7-20-2016	7-20-2016	7-20-2016	7-20-2016				
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO				
Rating Unit	%	%	%	%	%				
Number of Subsamples	1	1	1	1	1				
Days After First/Last Applic.	91 49	91 49	91 49	91 49	91 49				
Trt-Eval Interval	62 DA-B	62 DA-B	62 DA-B	62 DA-B	62 DA-B				
Days After Emergence	80 DE-1	80 DE-1	80 DE-1	80 DE-1	80 DE-1				
ARM Action Codes		ET8							
Number of Decimals	0	0	0	0	0				
Trt No.	Treatment Name	Other Rate	Other Rate	Appl Unit Code	13*	14*	15*	16*	17*
1	Anthem Maxx	4 oz/a		A	90 ab	100 a	100 -	100 -	100 -
1	Solstice	2.5 oz/a		C					
1	Atrazine	1.5 qt/a		C					
1	Roundup PowerMax	32 oz/a		C					
1	COC	1 % v/v		C					
1	N PAK AMS	2.5 % v/v		C					
2	Anthem Maxx	4 oz/a		A	80 bc	100	100 -	100 -	100 -
2	Atrazine	1 qt/a		A					
2	Solstice	2.5 oz/a		C					
2	Atrazine	0.5 qt/a		C					
2	Roundup PowerMax	32 oz/a		C					
2	COC	1 % v/v		C					
2	N PAK AMS	2.5 % v/v		C					
3	Anthem Maxx	4 oz/a		A	81 bc	100	100 -	100 -	100 -
3	Atrazine	1 qt/a		A					
3	Roundup PowerMax	32 oz/a		C					
3	N PAK AMS	2.5 % v/v		C					
4	Anthem Maxx	4 oz/a		A	95 a	100	100 -	100 -	100 -
4	Hornet	3 oz/a		A					
4	Atrazine	0.5 qt/a		C					
4	Roundup PowerMax	32 oz/a		C					
4	COC	1 % v/v		C					
4	N PAK AMS	2.5 % v/v		C					
5	Acuron	2.5 qt/a		A	93 ab	100	100 -	100 -	100 -
5	Roundup PowerMax	32 oz/a		C					
5	N PAK AMS	2.5 % v/v		C					
6	Corvus	5.6 oz/a		A	85 ab	100	100 -	100 -	100 -
6	Atrazine	1 qt/a		A					
6	Roundup PowerMax	32 oz/a		C					
6	N PAK AMS	2.5 % v/v		C					
7	Verdict	16 oz/a		A	81 bc	100	100 -	100 -	100 -
7	Roundup PowerMax	32 oz/a		C					
7	N PAK AMS	2.5 % v/v		C					



# The Ohio State University

## Anthem Maxx / Anthem ATZ - Pre and Post Combinations University 2016

Trial ID: 16FMCCORN Location: Trial Year: 2016  
 Protocol ID: 16FMCCORN Investigator: Dr. Mark M. Loux  
 Project ID: Study Director:  
 Sponsor Contact:

Pest Type	W Weed	W Weed	W Weed	W Weed	W Weed				
Pest Code	AMBTR	CHEAL	AMARE	ABUTH	POLPY				
Pest Name	Giant ragweed common lambsqu>		Redroot pigweed	velvetleaf	annual smartwe>				
Crop Code									
Crop Name									
Rating Date	7-20-2016	7-20-2016	7-20-2016	7-20-2016	7-20-2016				
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO				
Rating Unit	%	%	%	%	%				
Number of Subsamples	1	1	1	1	1				
Days After First/Last Applic.	91 49	91 49	91 49	91 49	91 49				
Trt-Eval Interval	62 DA-B	62 DA-B	62 DA-B	62 DA-B	62 DA-B				
Days After Emergence	80 DE-1	80 DE-1	80 DE-1	80 DE-1	80 DE-1				
ARM Action Codes		ET8							
Number of Decimals	0	0	0	0	0				
Trt No.	Treatment	Other Rate	Other Rate	Appl Unit Code	13*	14*	15*	16*	17*
8	Solstice	3.15 oz/a		B	60 d	94	100 -	100 -	100 -
8	Atrazine	1 qt/a		B					
8	Roundup PowerMax	32 oz/a		B					
8	COC	1 % v/v		B					
8	N PAK AMS	2.5 % v/v		B					
9	Solstice	2.5 oz/a		B	69 cd	100	100 -	100 -	100 -
9	Anthem Maxx	2 oz/a		B					
9	Roundup PowerMax	32 oz/a		B					
9	COC	1 % v/v		B					
9	N PAK AMS	2.5 % v/v		B					
10	Solstice	2.5 oz/a		B	65 d	100	100 -	100 -	100 -
10	Anthem Maxx	2 oz/a		B					
10	Atrazine	0.5 qt/a		B					
10	Roundup PowerMax	32 oz/a		B					
10	COC	1 % v/v		B					
10	N PAK AMS	2.5 % v/v		B					
11	Anthem Maxx	2 oz/a		B					
11	Hornet	3 oz/a		B					
11	Atrazine	0.5 qt/a		B					
11	Roundup PowerMax	32 oz/a		B					
11	COC	1 % v/v		B					
11	N PAK AMS	2.5 % v/v		B					
12	Halex GT	3.6 pt/a		B	61 d	100	100 -	100 -	100 -
12	NIS	0.25 % v/v		B					
12	N PAK AMS	2.5 % v/v		B					
LSD P=.05					13.6	.	.	.	.
Standard Deviation					9.4	0.0	0.0	0.0	0.0
CV					12.05	0.0	0.0	0.0	0.0
Bartlett's X2					11.578	0.0	0.0	0.0	0.0
P(Bartlett's X2)					0.314	.	.	.	.
Skewness					-0.5555	.	.	.	.
Kurtosis					-0.6995	.	.	.	.
Replicate F					2.261	0.000	0.000	0.000	0.000
Replicate Prob(F)					0.1016	1.0000	1.0000	1.0000	1.0000
Treatment F					7.187	0.000	0.000	0.000	0.000
Treatment Prob(F)					0.0001	1.0000	1.0000	1.0000	1.0000

# The Ohio State University

## Anthem Maxx / Anthem ATZ - Pre and Post Combinations University 2016

Trial ID: 16FMCCORN      Location:      Trial Year: 2016  
Protocol ID: 16FMCCORN      Investigator: Dr. Mark M. Loux  
Project ID:      Study Director:  
Sponsor Contact:

### Pest Type

W, Weed, G-BYRW7, G-WedStg = Weed or volunteer crop

### Pest Code

SETFA, Setaria faberi, = US

AMBTR, Ambrosia trifida, = US

CHEAL, Chenopodium album, = US

POLPY, Persicaria pensylvanica, = US

AMARE, Amaranthus retroflexus, = US

ABUTH, Abutilon theophrasti, = US

### Crop Code

ZEAMX, BCOR, Zea mays, = US

### Rating Type

PHYGEN = phytotoxicity - general / injury

CONTRO = control / burndown or knockdown

### Rating Unit

% = percent

### ARM Action Codes

AA = Automatic arcsine square root % transformation

ET8 = Excluded treatment 8

ET12 = Excluded treatment 12