

Ohio State University Horticulture and Crop Science

Non Atrazine Premixes for use in corn

Title No. 2:

Trial ID: 11PRPOC3
Location: WESTERN BRANCH F-8
Project ID: 2011-01-24-17

Protocol ID: 11PRPOC3
Study Director: Anthony F. Dobbels
Investigator: Dr. Mark M. Loux
Sponsor Contact: John Willis, Monsanto

General Trial Information

Study Director: Anthony F. Dobbels **Title:** Research Specialist
Investigator: Dr. Mark M. Loux **Title:** Professor

Trial Location

City: South Charleston **Latitude of LL Corner °:** 39.86003 N
State/Prov.: Ohio **Longitude of LL Corner °:** -83.67028 W
Postal Code: 45368
Country: USA

Crop Description

Crop 1: ZEAMX Zea mays Corn
Variety: Dekalb DKC 62-97
BBCH Scale: BCOR
Planting Method: SEEDED seeded
Depth, Unit: 2 IN
Row Spacing, Unit: 30 IN
Seed Bed: MEDIUM medium
Soil Moisture: SLIWET slightly wet
Description: RR
Planting Date: 5/31/11
Rate, Unit: 32097 S/A
Soil Temperature, Unit: 72 F
Emergence Date: 6/6/11

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:** POLPY Persicaria pensylvanica
Common Name: Pennsylvania smartweed

Pest 6 Type: W **Code:** ABUTH Abutilon theophrasti
Common Name: Velvetleaf

Pest 7 Type: W **Code:** HIBTR Hibiscus trionum
Common Name: Venice mallow

Pest 8 Type: W **Code:** ECHCG Echinochloa crus-galli
Common Name: Common barnyardgrass

Pest 9 Type: W **Code:** AMBEL Ambrosia artemisiifolia
Common Name: Common ragweed

Pest10 Type: W **Code:** SOLPT Solanum ptycanthum
Common Name: Eastern black nightshade

Site and Design

Plot Width, Unit: 6.67 FT **Site Type:** FIELD field
Plot Length, Unit: 30 FT **Experimental Unit:** 1 PLOT plot
Plot Area, Unit: 200.1 FT² **Tillage Type:** CONTIL conventional-till
Replications: 3 **Study Design:** RACOB� Randomized Complete Block (RCB)
Untreated Arrangement: INCLUDED single control randomized in each block

Soil Description

Description Name: F-8 Middle
% OM: 1.1 **Texture:** CL clay loam
pH: 7 **Soil Name:** Celina
CEC: 12.7 **Fert. Level:** G good
Soil Drainage: G good

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Application Description

	A	B
Application Date:	5/31/11	6/21/11
Time of Day:	11:15 A.M	11:45 A.M
Application Method:	SPRAY	SPRAY
Application Timing:	PRE	POST
Application Placement:	BROSOI	BROFO
Applied By:	Reeb	
Air Temperature, Unit:	89.9 F	87 F
% Relative Humidity:	62.1	71
Wind Velocity, Unit:	3.8 MPH	5 MPH
Wind Direction:	SSW	WSW
Dew Presence (Y/N):	N no	N no
Soil Temperature, Unit:	72 F	74 F
Soil Moisture:	GOOD	SLIWET
% Cloud Cover:	2	40
Next Rain Occurred On:	6/3/11	6/21/11

Crop Stage At Each Application

	A	B
Crop 1 Code, BBCH Scale:	ZEAMX BCOR	ZEAMX BCOR
Stage Scale Used:		B
Stage Majority, Percent:		15 100
Height, Unit:		10 IN
Height Minimum, Maximum:		10 11

Pest Stage At Each Application

	A	B
Pest 1 Code, Type, Scale:	SETFA W	SETFA W
Stage Majority, Percent:		13 100
Height, Unit:		4 IN
Height Minimum, Maximum:		4 4
Density, Unit:	32 M2	32 M2
Pest 2 Code, Type, Scale:	AMBTR W	AMBTR W
Stage Majority, Percent:		14 100
Height, Unit:		4 IN
Height Minimum, Maximum:		4 6
Density, Unit:	12 M2	12 M2
Pest 3 Code, Type, Scale:	CHEAL W	CHEAL W
Stage Majority, Percent:		14 100
Height, Unit:		3 IN
Height Minimum, Maximum:		2 3
Density, Unit:	52 M2	52 M2
Pest 4 Code, Type, Scale:	AMARE W	AMARE W
Stage Majority, Percent:		14 100
Height, Unit:		4 IN
Height Minimum, Maximum:		3 5
Density, Unit:	44 M2	44 M2
Pest 5 Code, Type, Scale:	POLPY W	POLPY W
Stage Majority, Percent:		14 100
Height, Unit:		3 IN
Height Minimum, Maximum:		3 4
Pest 6 Code, Type, Scale:	ABUTH W	ABUTH W
Stage Majority, Percent:		14 100
Height, Unit:		3 IN
Height Minimum, Maximum:		2 4
Density, Unit:	4 M2	4 M2
Pest 7 Code, Type, Scale:	HIBTR W	HIBTR W
Stage Majority, Percent:		12 100
Height, Unit:		2 IN
Height Minimum, Maximum:		1 2
Pest 8 Code, Type, Scale:	ECHCG W	ECHCG W
Density, Unit:	10.66 M2	10.66 M2
Pest 9 Code, Type, Scale:	AMBEL W	AMBEL W
Density, Unit:	6.66 M2	6.66 M2
Pest10 Code, Type, Scale:	SOLPT W	SOLPT W
Density, Unit:	12 M2	12 M2

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Application Equipment

	A	B
Appl. Equipment:	6 foot boom	6 foot boom
Equipment Type:	SPRBAC	SPRBAC
Operating Pressure, Unit:	46 PSI	46 PSI
Nozzle Type:	TEEJET DG	TEEJET DG
Nozzle Size:	80015	80015
Nozzle Spacing, Unit:	18 IN	18 IN
Boom Length, Unit:	6 FT	6 FT
Boom Height, Unit:	20 IN	20 IN
Ground Speed, Unit:	3 MPH	3 MPH
Carrier:	WATER	WATER
Spray Volume, Unit:	15 GPA	15 GPA
Mix Size, Unit:	0.33 Gallons	0.33 Gallons
Propellant:	CO2	CO2

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Title No. 2:
 Trial ID: 11PRPOC3 Protocol ID: 11PRPOC3
 Location: WESTERN BRANCH F-8 Study Director: Anthony F. Dobbels
 Project ID: 2011-01-24-17 Investigator: Dr. Mark M. Loux
 Sponsor Contact: John Willis, Monsanto

Pest Type		W Weed	W Weed	W Weed	W Weed	W Weed
Pest Code		SETFA	AMBTR	CHEAL	AMARE	ABUTH
Pest Scientific Name		Setaria faberi	Ambrosia trifid	Chenopodium al-	Amaranthus ret-	Abutilon theop-
Pest Name		Giant foxtail	Giant ragweed	Common lambsqu-	Redroot pigweed	Velvetleaf
Crop Code	ZEAMX					
BBCH Scale	BCOR					
Crop Scientific Name	Zea mays					
Crop Name	Corn					
Rating Date	6/20/11	6/20/11	6/20/11	6/20/11	6/20/11	6/20/11
Rating Type	PHYGEN	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%	%	%
Number of Subsamples	1	1	1	1	1	1
Days After First/Last Applic.	20 20	20 20	20 20	20 20	20 20	20 20
Trt-Eval Interval	20 DA-A	20 DA-A	20 DA-A	20 DA-A	20 DA-A	20 DA-A
Plant-Eval Interval	20 DP-1	20 DP-1	20 DP-1	20 DP-1	20 DP-1	20 DP-1
Days After Emergence	14 DE-1	14 DE-1	14 DE-1	14 DE-1	14 DE-1	14 DE-1
Number of Decimals	0	0	0	0	0	0

Trt No.	Treatment Name	Form Conc	Other Rate	Other Rate	Appl Unit Code	1	2	3	4	5	6
1	Degree Xtra	4.04	2.5 qt/a		A	0	100	88	100	100	100
1	Balance Flexx	2	5 oz/a		A						
1	Atrazine	4	1 pt/a		A						
2	Corvus	2.63	4.48 oz/a		A	0	97	94	100	100	100
2	Atrazine	4	1 pt/a		A						
3	Roundup PowerMax	4.5	22 oz/a		B	0	0	0	0	0	0
3	N-PAK AMS	100	1.5 qt/a		B						
3	Surestart	4.25	3 pt/a		B						
4	Roundup PowerMax	4.5	22 oz/a		B	0	0	0	0	0	0
4	N-PAK AMS	100	1.5 qt/a		B						
4	Callisto	4	3 oz/a		B						
5	Roundup PowerMax	4.5	22 oz/a		B	0	0	0	0	0	0
5	N-PAK AMS	100	1.5 qt/a		B						
5	Laudis	3.5	3 oz/a		B						
6	Roundup PowerMax	4.5	22 oz/a		B	0	0	0	0	0	0
6	N-PAK AMS	100	1.5 qt/a		B						
6	Lumax	3.94	3 qt/a		B						
7	Halex GT	4.38	2 qt/a		B	0	0	0	0	0	0
8	Roundup PowerMax	4.5	22 oz/a		B	0	0	0	0	0	0
8	N-PAK AMS	100	1.5 qt/a		B						
8	Warrant	3	1.5 qt/a		B						
8	Callisto	4	3 oz/a		B						
9	Roundup PowerMax	4.5	22 oz/a		B	0	0	0	0	0	0
9	N-PAK AMS	100	1.5 qt/a		B						
9	Surestart	4.25	0.875 qt/a		B						
9	Callisto	4	3 oz/a		B						
10	Roundup PowerMax	4.5	22 oz/a		B	0	0	0	0	0	0
10	N-PAK AMS	100	1.5 qt/a		B						
10	Surestart	4.25	1 qt/a		B						
10	Callisto	4	3 oz/a		B						
11	Roundup PowerMax	4.5	22 oz/a		B	0	0	0	0	0	0
11	N-PAK AMS	100	1.5 qt/a		B						
11	Surestart	4.25	1.5 qt/a		B						
11	Callisto	4	3 oz/a		B						

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Pest Type		W Weed	W Weed	W Weed	W Weed	W Weed
Pest Code		SETFA	AMBTR	CHEAL	AMARE	ABUTH
Pest Scientific Name		Setaria faberi	Ambrosia trifi>	Chenopodium al>	Amaranthus ret>	Abutilon theop>
Pest Name		Giant foxtail	Giant ragweed	Common lambsqu>	Redroot pigweed	Velvetleaf
Crop Code	ZEAMX					
BBCH Scale	BCOR					
Crop Scientific Name	Zea mays					
Crop Name	Corn					
Rating Date	6/20/11	6/20/11	6/20/11	6/20/11	6/20/11	6/20/11
Rating Type	PHYGEN	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%	%	%
Number of Subsamples	1	1	1	1	1	1
Days After First/Last Applic.	20 20	20 20	20 20	20 20	20 20	20 20
Trt-Eval Interval	20 DA-A	20 DA-A	20 DA-A	20 DA-A	20 DA-A	20 DA-A
Plant-Eval Interval	20 DP-1	20 DP-1	20 DP-1	20 DP-1	20 DP-1	20 DP-1
Days After Emergence	14 DE-1	14 DE-1	14 DE-1	14 DE-1	14 DE-1	14 DE-1
Number of Decimals	0	0	0	0	0	0

Trt	Treatment	Form	Other	Other	Appl							
No.	Name	Conc	Rate	Rate	Unit	Code	1	2	3	4	5	6
12	Roundup PowerMax	4.5	22 oz/a		B		0	0	0	0	0	0
12	N-PAK AMS	100	1.5 qt/a		B							
12	Surestart	4.25	0.875 qt/a		B							
12	Laudis	3.5	2.01 oz/a		B							
13	Roundup PowerMax	4.5	22 oz/a		B		0	0	0	0	0	0
13	N-PAK AMS	100	1.5 qt/a		B							
13	Surestart	4.25	1 qt/a		B							
13	Laudis	3.5	2.01 oz/a		B							
14	Roundup PowerMax	4.5	22 oz/a		B		0	0	0	0	0	0
14	N-PAK AMS	100	1.5 qt/a		B							
14	Surestart	4.25	1.5 qt/a		B							
14	Laudis	3.5	2.01 oz/a		B							
15	Roundup PowerMax	4.5	22 oz/a		B		0	0	0	0	0	0
15	N-PAK AMS	100	1.5 qt/a		B							
15	Surestart	4.25	1.5 qt/a		B							
15	Atrazine	4	32 oz/a		B							
16	UTC						0	0	0	0	0	0
LSD (P=.05)							0.0	2.4	2.0	0.0	0.0	0.0
Standard Deviation							0.0	1.4	1.2	0.0	0.0	0.0
CV							0.0	11.74	10.55	0.0	0.0	0.0
Bartlett's X2							0.0	0.0	0.219	0.0	0.0	0.0
P(Bartlett's X2)							.	.	0.64	.	.	.
Replicate F							0.000	1.000	1.995	0.000	0.000	0.000
Replicate Prob(F)							1.0000	0.3798	0.1536	1.0000	1.0000	1.0000
Treatment F							0.000	1625.000	2014.086	0.000	0.000	0.000
Treatment Prob(F)							1.0000	0.0001	0.0001	1.0000	1.0000	1.0000

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Pest Type	W Weed	W Weed	W Weed	W Weed	W Weed	W Weed
Pest Code	HIBTR	POLPY	SETFA	AMBTR	AMARE	ABUTH
Pest Scientific Name	Hibiscus trion>	Persicaria pen>	Setaria faberi	Ambrosia trifi>	Amaranthus ret>	Abutilon theop>
Pest Name	Venice mallow	Pennsylvania s>	Giant foxtail	Giant ragweed	Redroot pigweed	Velvetleaf
Crop Code						
BBCH Scale						
Crop Scientific Name						
Crop Name						
Rating Date	6/20/11	6/20/11	8/9/11	8/9/11	8/9/11	8/9/11
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%	%	%
Number of Subsamples	1	1	1	1	1	1
Days After First/Last Applic.	20 20	20 20	70 49	70 49	70 49	70 49
Trt-Eval Interval	20 DA-A	20 DA-A	49 DA-B	49 DA-B	49 DA-B	49 DA-B
Plant-Eval Interval	20 DP-1	20 DP-1	70 DP-1	70 DP-1	70 DP-1	70 DP-1
Days After Emergence	14 DE-1	14 DE-1	64 DE-1	64 DE-1	64 DE-1	64 DE-1
Number of Decimals	0	0	0	0	0	0

Trt No.	Treatment Name	Form Conc	Other Rate	Other Rate	Appl Unit Code	7	8	9	10	11	12
1	Degree Xtra	4.04	2.5 qt/a		A	100	100	98	92	100	100
1	Balance Flexx	2	5 oz/a		A						
1	Atrazine	4	1 pt/a		A						
2	Corvus	2.63	4.48 oz/a		A	100	100	88	88	100	100
2	Atrazine	4	1 pt/a		A						
3	Roundup PowerMax	4.5	22 oz/a		B	0	0	99	100	100	100
3	N-PAK AMS	100	1.5 qt/a		B						
3	Surestart	4.25	3 pt/a		B						
4	Roundup PowerMax	4.5	22 oz/a		B	0	0	93	90	100	100
4	N-PAK AMS	100	1.5 qt/a		B						
4	Callisto	4	3 oz/a		B						
5	Roundup PowerMax	4.5	22 oz/a		B	0	0	97	90	100	100
5	N-PAK AMS	100	1.5 qt/a		B						
5	Laudis	3.5	3 oz/a		B						
6	Roundup PowerMax	4.5	22 oz/a		B	0	0	99	98	100	100
6	N-PAK AMS	100	1.5 qt/a		B						
6	Lumax	3.94	3 qt/a		B						
7	Halex GT	4.38	2 qt/a		B	0	0	96	95	100	100
8	Roundup PowerMax	4.5	22 oz/a		B	0	0	99	92	100	100
8	N-PAK AMS	100	1.5 qt/a		B						
8	Warrant	3	1.5 qt/a		B						
8	Callisto	4	3 oz/a		B						
9	Roundup PowerMax	4.5	22 oz/a		B	0	0	99	100	100	100
9	N-PAK AMS	100	1.5 qt/a		B						
9	Surestart	4.25	0.875 qt/a		B						
9	Callisto	4	3 oz/a		B						
10	Roundup PowerMax	4.5	22 oz/a		B	0	0	99	100	100	100
10	N-PAK AMS	100	1.5 qt/a		B						
10	Surestart	4.25	1 qt/a		B						
10	Callisto	4	3 oz/a		B						
11	Roundup PowerMax	4.5	22 oz/a		B	0	0	99	98	100	100
11	N-PAK AMS	100	1.5 qt/a		B						
11	Surestart	4.25	1.5 qt/a		B						
11	Callisto	4	3 oz/a		B						

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Pest Type	W Weed	W Weed	W Weed	W Weed	W Weed	W Weed
Pest Code	HIBTR	POLPY	SETFA	AMBTR	AMARE	ABUTH
Pest Scientific Name	Hibiscus trion>	Persicaria pen>	Setaria faberi	Ambrosia trifi>	Amaranthus ret>	Abutilon theop>
Pest Name	Venice mallow	Pennsylvania s>	Giant foxtail	Giant ragweed	Redroot pigweed	Velvetleaf
Crop Code						
BBCH Scale						
Crop Scientific Name						
Crop Name						
Rating Date	6/20/11	6/20/11	8/9/11	8/9/11	8/9/11	8/9/11
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%	%	%
Number of Subsamples	1	1	1	1	1	1
Days After First/Last Applic.	20 20	20 20	70 49	70 49	70 49	70 49
Trt-Eval Interval	20 DA-A	20 DA-A	49 DA-B	49 DA-B	49 DA-B	49 DA-B
Plant-Eval Interval	20 DP-1	20 DP-1	70 DP-1	70 DP-1	70 DP-1	70 DP-1
Days After Emergence	14 DE-1	14 DE-1	64 DE-1	64 DE-1	64 DE-1	64 DE-1
Number of Decimals	0	0	0	0	0	0

Trt	Treatment No. Name	Form Conc	Other Rate	Other Rate	Appl Unit Code	7	8	9	10	11	12
12	Roundup PowerMax	4.5	22 oz/a		B	0	0	100	100	100	100
12	N-PAK AMS	100	1.5 qt/a		B						
12	Surestart	4.25	0.875 qt/a		B						
12	Laudis	3.5	2.01 oz/a		B						
13	Roundup PowerMax	4.5	22 oz/a		B	0	0	98	100	99	100
13	N-PAK AMS	100	1.5 qt/a		B						
13	Surestart	4.25	1 qt/a		B						
13	Laudis	3.5	2.01 oz/a		B						
14	Roundup PowerMax	4.5	22 oz/a		B	0	0	99	100	100	100
14	N-PAK AMS	100	1.5 qt/a		B						
14	Surestart	4.25	1.5 qt/a		B						
14	Laudis	3.5	2.01 oz/a		B						
15	Roundup PowerMax	4.5	22 oz/a		B	0	0	100	100	100	100
15	N-PAK AMS	100	1.5 qt/a		B						
15	Surestart	4.25	1.5 qt/a		B						
15	Atrazine	4	32 oz/a		B						
16	UTC					0	0	0	0	0	0
LSD (P=.05)						0.0	0.0	4.3	8.7	0.5	0.0
Standard Deviation						0.0	0.0	2.6	5.2	0.3	0.0
CV						0.0	0.0	2.79	5.79	0.31	0.0
Bartlett's X2						0.0	0.0	32.461	6.4	0.0	0.0
P(Bartlett's X2)						.	.	0.003*	0.494	.	.
Replicate F						0.000	0.000	0.857	0.248	1.000	0.000
Replicate Prob(F)						1.0000	1.0000	0.4347	0.7821	0.3798	1.0000
Treatment F						0.000	0.000	278.171	65.662	22481.002	0.000
Treatment Prob(F)						1.0000	1.0000	0.0001	0.0001	0.0001	1.0000

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Pest Type	W Weed	W Weed	W Weed
Pest Code	CHEAL	HIBTR	POLPY
Pest Scientific Name	Chenopodium al>	Hibiscus trion>	Persicaria pen>
Pest Name	Common lambsqu>	Venice mallow	Pennsylvania s>
Crop Code			
BBCH Scale			
Crop Scientific Name			
Crop Name			
Rating Date	8/9/11	8/9/11	8/9/11
Rating Type	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%
Number of Subsamples	1	1	1
Days After First/Last Applic.	70 49	70 49	70 49
Trt-Eval Interval	49 DA-B	49 DA-B	49 DA-B
Plant-Eval Interval	70 DP-1	70 DP-1	70 DP-1
Days After Emergence	64 DE-1	64 DE-1	64 DE-1
Number of Decimals	0	0	0

Trt No.	Treatment Name	Form Conc	Other Rate	Other Rate	Appl Unit Code	13	14	15
1	Degree Xtra	4.04	2.5 qt/a		A	100	100	100
1	Balance Flexx	2	5 oz/a		A			
1	Atrazine	4	1 pt/a		A			
2	Corvus	2.63	4.48 oz/a		A	100	100	100
2	Atrazine	4	1 pt/a		A			
3	Roundup PowerMax	4.5	22 oz/a		B	100	100	100
3	N-PAK AMS	100	1.5 qt/a		B			
3	Surestart	4.25	3 pt/a		B			
4	Roundup PowerMax	4.5	22 oz/a		B	100	100	100
4	N-PAK AMS	100	1.5 qt/a		B			
4	Callisto	4	3 oz/a		B			
5	Roundup PowerMax	4.5	22 oz/a		B	100	100	100
5	N-PAK AMS	100	1.5 qt/a		B			
5	Laudis	3.5	3 oz/a		B			
6	Roundup PowerMax	4.5	22 oz/a		B	100	100	100
6	N-PAK AMS	100	1.5 qt/a		B			
6	Lumax	3.94	3 qt/a		B			
7	Halex GT	4.38	2 qt/a		B	100	100	100
8	Roundup PowerMax	4.5	22 oz/a		B	100	100	100
8	N-PAK AMS	100	1.5 qt/a		B			
8	Warrant	3	1.5 qt/a		B			
8	Callisto	4	3 oz/a		B			
9	Roundup PowerMax	4.5	22 oz/a		B	100	100	100
9	N-PAK AMS	100	1.5 qt/a		B			
9	Surestart	4.25	0.875 qt/a		B			
9	Callisto	4	3 oz/a		B			
10	Roundup PowerMax	4.5	22 oz/a		B	100	100	100
10	N-PAK AMS	100	1.5 qt/a		B			
10	Surestart	4.25	1 qt/a		B			
10	Callisto	4	3 oz/a		B			
11	Roundup PowerMax	4.5	22 oz/a		B	100	100	100
11	N-PAK AMS	100	1.5 qt/a		B			
11	Surestart	4.25	1.5 qt/a		B			
11	Callisto	4	3 oz/a		B			

Ohio State University Horticulture and Crop Science

Pest Type	W Weed	W Weed	W Weed
Pest Code	CHEAL	HIBTR	POLPY
Pest Scientific Name	Chenopodium al>	Hibiscus trion>	Persicaria pen>
Pest Name	Common lambsqu>	Venice mallow	Pennsylvania s>
Crop Code			
BBCH Scale			
Crop Scientific Name			
Crop Name			
Rating Date	8/9/11	8/9/11	8/9/11
Rating Type	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%
Number of Subsamples	1	1	1
Days After First/Last Applic.	70 49	70 49	70 49
Trt-Eval Interval	49 DA-B	49 DA-B	49 DA-B
Plant-Eval Interval	70 DP-1	70 DP-1	70 DP-1
Days After Emergence	64 DE-1	64 DE-1	64 DE-1
Number of Decimals	0	0	0

Trt	Treatment	Form	Other	Other	Appl	13	14	15
No.	Name	Conc	Rate	Rate	Unit	Code		
12	Roundup PowerMax	4.5	22 oz/a		B	100	100	100
12	N-PAK AMS	100	1.5 qt/a		B			
12	Surestart	4.25	0.875 qt/a		B			
12	Laudis	3.5	2.01 oz/a		B			
13	Roundup PowerMax	4.5	22 oz/a		B	100	100	100
13	N-PAK AMS	100	1.5 qt/a		B			
13	Surestart	4.25	1 qt/a		B			
13	Laudis	3.5	2.01 oz/a		B			
14	Roundup PowerMax	4.5	22 oz/a		B	100	100	100
14	N-PAK AMS	100	1.5 qt/a		B			
14	Surestart	4.25	1.5 qt/a		B			
14	Laudis	3.5	2.01 oz/a		B			
15	Roundup PowerMax	4.5	22 oz/a		B	100	100	100
15	N-PAK AMS	100	1.5 qt/a		B			
15	Surestart	4.25	1.5 qt/a		B			
15	Atrazine	4	32 oz/a		B			
16	UTC					0	0	0
LSD (P=.05)						0.0	0.2	0.0
Standard Deviation						0.0	0.1	0.0
CV						0.0	0.15	0.0
Bartlett's X2						0.0	0.0	0.0
P(Bartlett's X2)						.	.	.
Replicate F						0.000	1.000	0.000
Replicate Prob(F)						1.0000	0.3798	1.0000
Treatment F						0.000	89961.009	0.000
Treatment Prob(F)						1.0000	0.0001	1.0000

Ohio State University Horticulture and Crop Science

Non Atrazine Premixes for use in corn

Title No. 2:

Trial ID: 11PRPOC3
Location: WESTERN BRANCH F-8
Project ID: 2011-01-24-17

Protocol ID: 11PRPOC3
Study Director: Anthony F. Dobbels
Investigator: Dr. Mark M. Loux
Sponsor Contact: John Willis, Monsanto

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
AMARE, *Amaranthus retroflexus*, = US
ABUTH, *Abutilon theophrasti*, = US
HIBTR, *Hibiscus trionum*, = US
POLPY, *Persicaria pensylvanica*, = US

Crop Code

ZEAMX, BCOR, *Zea mays*, = US

Rating Type

PHYGEN = phytotoxicity - general / injury
CONTRO = control / burndown or knockdown

Rating Unit

% = percent

Plant-Eval Interval

20 DP-1 = 1 5/31/11
70 DP-1 = 1 5/31/11