

# The Ohio State University

## Influence of Impact Programs on Weed Control and Yield of Field Corn

Trial ID: 14POC1                      Location:                      Trial Year: 2014  
 Protocol ID: 14POC1                  Investigator: Dr. Mark M. Loux  
 Project ID: 14C04H060XOH500      Study Director:  
 Sponsor Contact: Joe Argentine, AMVAC

### Crop Description

**Crop 1:** ZEAMX      Zea mays  
**Variety:** Dekalb DKC 60-67 RIB  
**Description:** RR/LL  
  
**Planting Rate, Unit:** 32097      S/A  
**Depth, Unit:** 1.75 IN  
**Row Spacing, Unit:** 30 IN  
**Soil Temperature, Unit:** 56 F  
**Soil Moisture:** NORMAL normal, adequate  
**Seed Bed:** MEDIUM medium

**BBCH Scale:** BCOR

**Planting Date:** Apr-26-2014  
**Planting Method:** PLANTD planted  
**Planting Equipment:** FPP      Finger Pickup Planter  
**Emergence Date:** May-12-2014

### 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:** ABUTH    Abutilon theophrasti  
**Common Name:** velvetleaf  
  
**Pest 5 Type:** W    **Code:** POLPY    Persicaria pensylvanica  
**Common Name:** Pennsylvania smartweed  
  
**Pest 6 Type:** W    **Code:** AMARE    Amaranthus retroflexus  
**Common Name:** Redroot pigweed

### Site and Design

**Treated Plot Width:** 6.67 FT  
**Treated Plot Length:** 40 FT  
**Treated Plot Area:** 266.8 FT<sup>2</sup>    **Treatments:** 8  
**Replications:** 4  
  
**Site Type:** FIELD    field  
**Experimental Unit:** 1    PLOT                      plot  
**Tillage Type:** CONTIL    conventional-till  
**Study Design:** RACOB    Randomized Complete Block (RCB)

**No. Previous Crop Year**  
 1. Soybean      2013

### 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**  
**Application Date:**                      May-30-2014  
**Appl. Start Time:**                      8:30 AM  
**Appl. Stop Time:**                      9:00 AM  
**Application Method:**                      SPRAY  
**Application Timing:**                      POST  
**Application Placement:**                      BROFOL  
**Applied By:**                      Ackley  
**Air Temperature, Unit:**                      66 F  
**% Relative Humidity:**                      63.5  
**Wind Velocity, Unit:**                      1.3 MPH  
**Wind Direction:**                      SSW  
**Dew Presence (Y/N):**                      N no  
**Soil Temperature, Unit:**                      64 F  
**Soil Moisture:**                      DRY  
**% Cloud Cover:**                      2  
**Next Moisture Occurred On:** Jun-2-2014  
**Time to Next Moisture, Unit:** 3 DAY

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## Crop Stage At Each Application

**A**

Crop 1 Code, BBCH Scale: ZEAMX BCOR  
 Stage Scale Used: BBCH  
 Stage Majority, Percent: 14 100  
 Height, Unit: 11 IN  
 Height Minimum, Maximum: 11 12

## Pest Stage At Each Application

**A**

Pest 1 Code, Type, Scale: SETFA W  
 Stage Majority, Percent: 13 100  
 Stage Minimum, Percent: 13 100  
 Stage Maximum, Percent: 13 100  
 Height, Unit: 5 IN  
 Height Minimum, Maximum: 5 6  
 Density, Unit: 107 M2

Pest 2 Code, Type, Scale: AMBTR W  
 Stage Majority, Percent: 16 100  
 Stage Minimum, Percent: 16 100  
 Stage Maximum, Percent: 16 100  
 Height, Unit: 5 IN  
 Height Minimum, Maximum: 5 6  
 Density, Unit: 12.75 M2

Pest 3 Code, Type, Scale: CHEAL W  
 Stage Majority, Percent: 12 100  
 Stage Minimum, Percent: 12 100  
 Stage Maximum, Percent: 12 100  
 Height, Unit: 4 IN  
 Height Minimum, Maximum: 3 4  
 Density, Unit: 16.5 M2

Pest 4 Code, Type, Scale: ABUTH W  
 Stage Majority, Percent: 11 100  
 Stage Minimum, Percent: 11 100  
 Stage Maximum, Percent: 11 100  
 Height, Unit: 1.5 IN  
 Height Minimum, Maximum: 1.5 2  
 Density, Unit: 1.5 M2

Pest 5 Code, Type, Scale: POLPY W  
 Stage Majority, Percent: 14 100  
 Stage Minimum, Percent: 14 100  
 Stage Maximum, Percent: 14 100  
 Height, Unit: 2.5 IN  
 Height Minimum, Maximum: 2.5 3  
 Density, Unit: 10.75 M2

Pest 6 Code, Type, Scale: AMARE W  
 Stage Majority, Percent: 14 100  
 Height, Unit: 2 IN  
 Height Minimum, Maximum: 2 3  
 Density, Unit: 5.25 M2

## Application Equipment

**A**

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

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## Influence of Impact Programs on Weed Control and Yield of Field Corn

Trial ID: 14POC1 Location: Trial Year: 2014  
 Protocol ID: 14POC1 Investigator: Dr. Mark M. Loux  
 Project ID: 14C04H060XOH500 Study Director:  
 Sponsor Contact: Joe Argentine, AMVAC

Pest Type	W Weed	W Weed	W Weed	W Weed						
Pest Code	SETFA	AMBTR	AMBEL	CHEAL						
Pest Scientific Name	Setaria faberi	Ambrosia trifi>	Ambrosia artem>	Chenopodium al>						
Pest Name	Giant foxtail	Giant ragweed	Common ragweed	Common lambsqu>						
Crop Code	ZEAMX									
BBCH Scale	BCOR									
Crop Scientific Name	Zea mays									
Crop Name	Corn									
Rating Date	Jun-5-2014	Jun-5-2014	Jun-5-2014	Jun-5-2014						
Rating Type	PHYCHLOR	CONTRO	CONTRO	CONTRO						
Rating Unit	%	%	%	%						
Number of Subsamples	1	1	1	1						
SE Group No.	1	2	3	4						
Days After First/Last Applic.	6 6	6 6	6 6	6 6						
Trt-Eval Interval	6 DA-A	6 DA-A	6 DA-A	6 DA-A						
Plant-Eval Interval	40 DP-1	40 DP-1	40 DP-1	40 DP-1						
Days After Emergence	24 DE-1	24 DE-1	24 DE-1	24 DE-1						
ARM Action Codes	ET6	ET1	ET1	ET1						
Number of Decimals	0	0	0	0						
Trt Treatment	Rate	Rate Unit	Other Rate	Other Rate Unit	Appl Code	1	2	3	4	5
1 UTC						0	0	0	0	0
2 Impact	0.0164 lb ai/a		0.75 oz/a		A	1	79	85	100	90
2 Roundup PowerMax	0.77 lb ae/a		22 oz/a		A					
2 Atrazine	1 lb ai/a		1 qt/a		A					
2 MSO	1 % v/v		0.6 qt/a		A					
2 N PAK AMS	2.5 % v/v		1.5 qt/a		A					
3 Impact	0.0219 lb ai/a		1 oz/a		A	1	76	90	100	85
3 Roundup PowerMax	0.77 lb ae/a		22 oz/a		A					
3 Atrazine	1 lb ai/a		1 qt/a		A					
3 MSO	0.5 % v/v		0.3 qt/a		A					
3 N PAK AMS	2.5 % v/v		1.5 qt/a		A					
4 Impact	0.0164 lb ai/a		0.75 oz/a		A	0	73	77	100	86
4 Roundup PowerMax	0.77 lb ae/a		22 oz/a		A					
4 Atrazine	1 lb ai/a		1 qt/a		A					
4 Warrant	1.13 lb ai/a		3 pt/a		A					
4 MSO	0.5 % v/v		0.3 qt/a		A					
4 N PAK AMS	2.5 % v/v		1.5 qt/a		A					
5 Impact	0.0164 lb ai/a		0.75 oz/a		A	1	72	83	100	84
5 Sequence	1.64 lb ae/a		2.5 pt/a		A					
5 Atrazine	1 lb ai/a		1 qt/a		A					
5 NIS	0.25 % v/v		4.8 oz/a		A					
5 N PAK AMS	2.5 % v/v		1.5 qt/a		A					
6 Halex GT	1.97 lb ai/a		3.6 pt/a		A	0	65	70	100	65
6 AAtrex	1 lb ai/a		1 qt/a		A					
6 NIS	0.25 % v/v		4.8 oz/a		A					
6 N PAK AMS	2.5 % v/v		1.5 qt/a		A					
7 Impact	0.0164 lb ai/a		0.75 oz/a		A	2	79	76	94	96
7 Roundup PowerMax	0.77 lb ae/a		22 oz/a		A					
7 Atrazine	1 lb ai/a		1 qt/a		A					
7 Zidua	0.106 lb ai/a		2 oz/a		A					
7 MSO	0.5 % v/v		0.3 qt/a		A					
7 N PAK AMS	2.5 % v/v		1.5 qt/a		A					

t=Mean descriptions are reported in transformed data units, and are not de-transformed.  
 Missing data estimates are included in columns: Yates=4

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Pest Type		W Weed	W Weed	W Weed	W Weed
Pest Code		SETFA	AMBTR	AMBEL	CHEAL
Pest Scientific Name		Setaria faberi	Ambrosia trifi>	Ambrosia artem>	Chenopodium al>
Pest Name		Giant foxtail	Giant ragweed	Common ragweed	Common lambsqu>
Crop Code	ZEAMX				
BBCH Scale	BCOR				
Crop Scientific Name	Zea mays				
Crop Name	Corn				
Rating Date	Jun-5-2014	Jun-5-2014	Jun-5-2014	Jun-5-2014	Jun-5-2014
Rating Type	PHYCHLOR	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%	%
Number of Subsamples	1	1	1	1	1
SE Group No.	1	2	3	4	5
Days After First/Last Applic.	6 6	6 6	6 6	6 6	6 6
Trt-Eval Interval	6 DA-A	6 DA-A	6 DA-A	6 DA-A	6 DA-A
Plant-Eval Interval	40 DP-1	40 DP-1	40 DP-1	40 DP-1	40 DP-1
Days After Emergence	24 DE-1	24 DE-1	24 DE-1	24 DE-1	24 DE-1
ARM Action Codes	ET6	ET1	ET1		ET1
Number of Decimals	0	0	0	0	0

Trt Treatment No. Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Appl Code	1	2	3	4	5
8 Capreno	0.081 lb ai/a		3 oz/a		A	1	63	73	96	78
8 Roundup PowerMax	0.77 lb ae/a		22 oz/a		A					
8 Atrazine	1 lb ai/a		1 qt/a		A					
8 MSO	1 % v/v		0.6 qt/a		A					
8 N PAK AMS	2.5 % v/v		1.5 qt/a		A					
LSD (P=.05)						1.8	16.3	16.9	5.6	23.3
Standard Deviation						1.2	11.1	11.5	3.8	15.8
CV						158.7	17.58	16.65	4.44	21.69
Bartlett's X2						0.71	0.784	0.558	0.517	3.507
P(Bartlett's X2)						0.95	0.992	0.997	0.472	0.743
Skewness						1.0473*	-1.6244*	-1.6567*	-2.2687*	-1.3619*
Kurtosis						-0.6661	1.8627*	1.9346*	3.4621*	0.9956
Replicate F						0.176	0.477	0.838	1.078	0.560
Replicate Prob(F)						0.9111	0.7015	0.4880	0.3809	0.6470
Treatment F						1.160	22.275	24.875	332.771	15.234
Treatment Prob(F)						0.3662	0.0001	0.0001	0.0001	0.0001

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Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Appl Code	6	7	8	9	10
	1 UTC						0	0	0	0	0
	2 Impact	0.0164 lb ai/a		0.75 oz/a		A	90	100	100	3	92
	2 Roundup PowerMax	0.77 lb ae/a		22 oz/a		A					
	2 Atrazine	1 lb ai/a		1 qt/a		A					
	2 MSO	1 % v/v		0.6 qt/a		A					
	2 N PAK AMS	2.5 % v/v		1.5 qt/a		A					
	3 Impact	0.0219 lb ai/a		1 oz/a		A	100	100	100	2	94
	3 Roundup PowerMax	0.77 lb ae/a		22 oz/a		A					
	3 Atrazine	1 lb ai/a		1 qt/a		A					
	3 MSO	0.5 % v/v		0.3 qt/a		A					
	3 N PAK AMS	2.5 % v/v		1.5 qt/a		A					
	4 Impact	0.0164 lb ai/a		0.75 oz/a		A	100	100	100	2	93
	4 Roundup PowerMax	0.77 lb ae/a		22 oz/a		A					
	4 Atrazine	1 lb ai/a		1 qt/a		A					
	4 Warrant	1.13 lb ai/a		3 pt/a		A					
	4 MSO	0.5 % v/v		0.3 qt/a		A					
	4 N PAK AMS	2.5 % v/v		1.5 qt/a		A					
	5 Impact	0.0164 lb ai/a		0.75 oz/a		A	100	100	95	2	91
	5 Sequence	1.64 lb ae/a		2.5 pt/a		A					
	5 Atrazine	1 lb ai/a		1 qt/a		A					
	5 NIS	0.25 % v/v		4.8 oz/a		A					
	5 N PAK AMS	2.5 % v/v		1.5 qt/a		A					
	6 Halex GT	1.97 lb ai/a		3.6 pt/a		A	98	100	100	1	93
	6 AAtrex	1 lb ai/a		1 qt/a		A					
	6 NIS	0.25 % v/v		4.8 oz/a		A					
	6 N PAK AMS	2.5 % v/v		1.5 qt/a		A					
	7 Impact	0.0164 lb ai/a		0.75 oz/a		A	100	100	100	2	94
	7 Roundup PowerMax	0.77 lb ae/a		22 oz/a		A					
	7 Atrazine	1 lb ai/a		1 qt/a		A					
	7 Zidua	0.106 lb ai/a		2 oz/a		A					
	7 MSO	0.5 % v/v		0.3 qt/a		A					
	7 N PAK AMS	2.5 % v/v		1.5 qt/a		A					

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Pest Type	W Weed	W Weed	W Weed	W Weed	W Weed
Pest Code	AMARE	ABUTH	POLPY	SETFA	SETFA
Pest Scientific Name	Amaranthus ret>	Abutilon theop>	Persicaria pen>	Setaria faberi	Setaria faberi
Pest Name	Redroot pigweed	velvetleaf	Pennsylvania s>	Giant foxtail	Giant foxtail
Crop Code				ZEAMX	ZEAMX
BBCH Scale				BCOR	BCOR
Crop Scientific Name				Zea mays	Zea mays
Crop Name				Corn	Corn
Rating Date	Jun-5-2014	Jun-5-2014	Jun-5-2014	Jun-12-2014	Jun-12-2014
Rating Type	CONTRO	CONTRO	CONTRO	PHYCHL	CONTRO
Rating Unit	%	%	%	%	%
Number of Subsamples	1	1	1	1	1
SE Group No.	6	7	8	9	10
Days After First/Last Applic.	6 6	6 6	6 6	13 13	13 13
Trt-Eval Interval	6 DA-A	6 DA-A	6 DA-A	13 DA-A	13 DA-A
Plant-Eval Interval	40 DP-1	40 DP-1	40 DP-1	47 DP-1	47 DP-1
Days After Emergence	24 DE-1	24 DE-1	24 DE-1	31 DE-1	31 DE-1
ARM Action Codes					ET1
Number of Decimals	0	0	0	0	0

Trt Treatment	Rate	Rate	Other	Other	Appl	6	7	8	9	10
No. Name	Rate	Unit	Rate	Rate	Unit Code					
8 Capreno	0.081	lb ai/a	3	oz/a	A	88	100	100	2	90
8 Roundup PowerMax	0.77	lb ae/a	22	oz/a	A					
8 Atrazine	1	lb ai/a	1	qt/a	A					
8 MSO	1	% v/v	0.6	qt/a	A					
8 N PAK AMS	2.5	% v/v	1.5	qt/a	A					
LSD (P=.05)	17.4		0.0					5.2	0.8	8.3
Standard Deviation	11.8		0.0					3.5	0.5	5.6
CV	14.02		0.0					4.07	29.77	6.96
Bartlett's X2	5.571		0.0					0.0	1.854	1.138
P(Bartlett's X2)	0.062		.					.	0.396	0.98
Skewness	-2.0212*		-2.3809*					-2.3349*	-0.1977	-2.2497*
Kurtosis	2.5395*		3.9094*					3.7548*	1.0974	3.541*
Replicate F	0.506		0.000					1.000	1.000	1.411
Replicate Prob(F)	0.6821		1.0000					0.4123	0.4123	0.2674
Treatment F	33.945		0.000					395.286	11.540	134.889
Treatment Prob(F)	0.0001		1.0000					0.0001	0.0001	0.0001

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Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Appl Code	11	12	13	14
	1 UTC						0	0	0	0
	2 Impact	0.0164 lb ai/a		0.75 oz/a		A	89	100	99	100
	2 Roundup PowerMax	0.77 lb ae/a		22 oz/a		A				
	2 Atrazine	1 lb ai/a		1 qt/a		A				
	2 MSO	1 % v/v		0.6 qt/a		A				
	2 N PAK AMS	2.5 % v/v		1.5 qt/a		A				
	3 Impact	0.0219 lb ai/a		1 oz/a		A	92	100	99	100
	3 Roundup PowerMax	0.77 lb ae/a		22 oz/a		A				
	3 Atrazine	1 lb ai/a		1 qt/a		A				
	3 MSO	0.5 % v/v		0.3 qt/a		A				
	3 N PAK AMS	2.5 % v/v		1.5 qt/a		A				
	4 Impact	0.0164 lb ai/a		0.75 oz/a		A	88	100	99	100
	4 Roundup PowerMax	0.77 lb ae/a		22 oz/a		A				
	4 Atrazine	1 lb ai/a		1 qt/a		A				
	4 Warrant	1.13 lb ai/a		3 pt/a		A				
	4 MSO	0.5 % v/v		0.3 qt/a		A				
	4 N PAK AMS	2.5 % v/v		1.5 qt/a		A				
	5 Impact	0.0164 lb ai/a		0.75 oz/a		A	91	100	99	100
	5 Sequence	1.64 lb ae/a		2.5 pt/a		A				
	5 Atrazine	1 lb ai/a		1 qt/a		A				
	5 NIS	0.25 % v/v		4.8 oz/a		A				
	5 N PAK AMS	2.5 % v/v		1.5 qt/a		A				
	6 Halex GT	1.97 lb ai/a		3.6 pt/a		A	93	100	98	100
	6 AAtrex	1 lb ai/a		1 qt/a		A				
	6 NIS	0.25 % v/v		4.8 oz/a		A				
	6 N PAK AMS	2.5 % v/v		1.5 qt/a		A				
	7 Impact	0.0164 lb ai/a		0.75 oz/a		A	90	100	98	100
	7 Roundup PowerMax	0.77 lb ae/a		22 oz/a		A				
	7 Atrazine	1 lb ai/a		1 qt/a		A				
	7 Zidua	0.106 lb ai/a		2 oz/a		A				
	7 MSO	0.5 % v/v		0.3 qt/a		A				
	7 N PAK AMS	2.5 % v/v		1.5 qt/a		A				

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Pest Type	W Weed	W Weed	W Weed	W Weed					
Pest Code	AMBTR	AMBEL	CHEAL	AMARE					
Pest Scientific Name	Ambrosia trifi>	Ambrosia artem>	Chenopodium al>	Amaranthus ret>					
Pest Name	Giant ragweed	Common ragweed	Common lambsqu>	Redroot pigweed					
Crop Code									
BBCH Scale									
Crop Scientific Name									
Crop Name									
Rating Date	Jun-12-2014	Jun-12-2014	Jun-12-2014	Jun-12-2014					
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO					
Rating Unit	%	%	%	%					
Number of Subsamples	1	1	1	1					
SE Group No.	11	12	13	14					
Days After First/Last Applic.	13 13	13 13	13 13	13 13					
Trt-Eval Interval	13 DA-A	13 DA-A	13 DA-A	13 DA-A					
Plant-Eval Interval	47 DP-1	47 DP-1	47 DP-1	47 DP-1					
Days After Emergence	31 DE-1	31 DE-1	31 DE-1	31 DE-1					
ARM Action Codes	ET1		AA						
Number of Decimals	0	0	0	0					
Trt Treatment	Rate	Rate	Other	Other	Appl	11	12	13	14
No. Name	Rate	Unit	Rate	Rate	Unit Code				
8 Capreno	0.081 lb ai/a		3 oz/a		A	90	100	97	100
8 Roundup PowerMax	0.77 lb ae/a		22 oz/a		A				
8 Atrazine	1 lb ai/a		1 qt/a		A				
8 MSO	1 % v/v		0.6 qt/a		A				
8 N PAK AMS	2.5 % v/v		1.5 qt/a		A				
LSD (P=.05)	6.1		0.0					10.7t	0.6
Standard Deviation	4.1		0.0					7.3t	0.4
CV	5.2		0.0					10.01	0.5
Bartlett's X2	0.791		0.0					6.084	2.005
P(Bartlett's X2)	0.992		.					0.414	0.367
Skewness	-2.2909*		-2.3809*					-2.1583*	-2.3801*
Kurtosis	3.657*		3.9094*					3.2561*	3.9073*
Replicate F	2.446		0.000					0.436	0.875
Replicate Prob(F)	0.0922		1.0000					0.7295	0.4698
Treatment F	242.069		0.000					65.398	26175.753
Treatment Prob(F)	0.0001		1.0000					0.0001	0.0001



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Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Appl Unit Code	15	16	17	18	19
1	UTC						0	0	0	0	0
2	Impact	0.0164 lb ai/a		0.75 oz/a		A	100	100	0	72	79
	2 Roundup PowerMax	0.77 lb ae/a		22 oz/a		A					
	2 Atrazine	1 lb ai/a		1 qt/a		A					
	2 MSO	1 % v/v		0.6 qt/a		A					
	2 N PAK AMS	2.5 % v/v		1.5 qt/a		A					
3	Impact	0.0219 lb ai/a		1 oz/a		A	100	100	0	75	75
	3 Roundup PowerMax	0.77 lb ae/a		22 oz/a		A					
	3 Atrazine	1 lb ai/a		1 qt/a		A					
	3 MSO	0.5 % v/v		0.3 qt/a		A					
	3 N PAK AMS	2.5 % v/v		1.5 qt/a		A					
4	Impact	0.0164 lb ai/a		0.75 oz/a		A	100	100	0	84	78
	4 Roundup PowerMax	0.77 lb ae/a		22 oz/a		A					
	4 Atrazine	1 lb ai/a		1 qt/a		A					
	4 Warrant	1.13 lb ai/a		3 pt/a		A					
	4 MSO	0.5 % v/v		0.3 qt/a		A					
	4 N PAK AMS	2.5 % v/v		1.5 qt/a		A					
5	Impact	0.0164 lb ai/a		0.75 oz/a		A	100	99	0	92	78
	5 Sequence	1.64 lb ae/a		2.5 pt/a		A					
	5 Atrazine	1 lb ai/a		1 qt/a		A					
	5 NIS	0.25 % v/v		4.8 oz/a		A					
	5 N PAK AMS	2.5 % v/v		1.5 qt/a		A					
6	Halex GT	1.97 lb ai/a		3.6 pt/a		A	100	100	0	74	76
	6 AAtrex	1 lb ai/a		1 qt/a		A					
	6 NIS	0.25 % v/v		4.8 oz/a		A					
	6 N PAK AMS	2.5 % v/v		1.5 qt/a		A					
7	Impact	0.0164 lb ai/a		0.75 oz/a		A	100	100	0	90	80
	7 Roundup PowerMax	0.77 lb ae/a		22 oz/a		A					
	7 Atrazine	1 lb ai/a		1 qt/a		A					
	7 Zidua	0.106 lb ai/a		2 oz/a		A					
	7 MSO	0.5 % v/v		0.3 qt/a		A					
	7 N PAK AMS	2.5 % v/v		1.5 qt/a		A					

# The Ohio State University

Pest Type	W Weed	W Weed	W Weed	W Weed
Pest Code	ABUTH	POLPY	SETFA	AMBTR
Pest Scientific Name	Abutilon theop>	Persicaria pen>	Setaria faberi	Ambrosia trifi>
Pest Name	velvetleaf	Pennsylvania s>	Giant foxtail	Giant ragweed
Crop Code			ZEAMX	
BBCH Scale			BCOR	
Crop Scientific Name			Zea mays	
Crop Name			Corn	
Rating Date	Jun-12-2014	Jun-12-2014	Jun-25-2014	Jun-25-2014
Rating Type	CONTRO	CONTRO	PHYGEN	CONTRO
Rating Unit	%	%	%	%
Number of Subsamples	1	1	1	1
SE Group No.	15	16	17	18
Days After First/Last Applic.	13 13	13 13	26 26	26 26
Trt-Eval Interval	13 DA-A	13 DA-A	26 DA-A	26 DA-A
Plant-Eval Interval	47 DP-1	47 DP-1	60 DP-1	60 DP-1
Days After Emergence	31 DE-1	31 DE-1	44 DE-1	44 DE-1
ARM Action Codes		AA		ET1
Number of Decimals	0	0	0	0

Trt Treatment	Rate	Rate	Other	Other	Appl	15	16	17	18	19
No. Name	Rate	Unit	Rate	Rate	Unit Code					
8 Capreno	0.081 lb ai/a		3 oz/a		A	100	100	0	83	76
8 Roundup PowerMax	0.77 lb ae/a		22 oz/a		A					
8 Atrazine	1 lb ai/a		1 qt/a		A					
8 MSO	1 % v/v		0.6 qt/a		A					
8 N PAK AMS	2.5 % v/v		1.5 qt/a		A					
LSD (P=.05)						0.5	7.5t	0.0	15.4	10.6
Standard Deviation						0.4	5.1t	0.0	10.5	7.2
CV						0.4	6.62	0.0	14.78	10.67
Bartlett's X2						0.0	4.64	0.0	3.887	3.41
P(Bartlett's X2)						.	0.326	.	0.692	0.756
Skewness						-2.3804*	-2.2445*	.	-1.7678*	-2.1353*
Kurtosis						3.9079*	3.4694*	.	2.1259*	3.1996*
Replicate F						1.000	3.221	0.000	0.138	0.190
Replicate Prob(F)						0.4123	0.0434	1.0000	0.9359	0.9023
Treatment F						39943.861	149.514	0.000	31.814	57.512
Treatment Prob(F)						0.0001	0.0001	1.0000	0.0001	0.0001

# The Ohio State University

Pest Type	W Weed	W Weed	W Weed	W Weed
Pest Code	AMBEL	CHEAL	AMARE	ABUTH
Pest Scientific Name	Ambrosia artem>	Chenopodium al>	Amaranthus ret>	Abutilon theop>
Pest Name	Common ragweed	Common lambsqu>	Redroot pigweed	velvetleaf
Crop Code				
BBCH Scale				
Crop Scientific Name				
Crop Name				
Rating Date	Jun-25-2014	Jun-25-2014	Jun-25-2014	Jun-25-2014
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%
Number of Subsamples	1	1	1	1
SE Group No.	20	21	22	23
Days After First/Last Applic.	26 26	26 26	26 26	26 26
Trt-Eval Interval	26 DA-A	26 DA-A	26 DA-A	26 DA-A
Plant-Eval Interval	60 DP-1	60 DP-1	60 DP-1	60 DP-1
Days After Emergence	44 DE-1	44 DE-1	44 DE-1	44 DE-1
ARM Action Codes				
Number of Decimals	0	0	0	0

Trt Treatment No. Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Appl Unit Code	20	21	22	23
1 UTC						0	0	0	0
2 Impact	0.0164 lb ai/a		0.75 oz/a		A	100	96	86	98
2 Roundup PowerMax	0.77 lb ae/a		22 oz/a		A				
2 Atrazine	1 lb ai/a		1 qt/a		A				
2 MSO	1 % v/v		0.6 qt/a		A				
2 N PAK AMS	2.5 % v/v		1.5 qt/a		A				
3 Impact	0.0219 lb ai/a		1 oz/a		A	100	91	93	100
3 Roundup PowerMax	0.77 lb ae/a		22 oz/a		A				
3 Atrazine	1 lb ai/a		1 qt/a		A				
3 MSO	0.5 % v/v		0.3 qt/a		A				
3 N PAK AMS	2.5 % v/v		1.5 qt/a		A				
4 Impact	0.0164 lb ai/a		0.75 oz/a		A	100	99	100	100
4 Roundup PowerMax	0.77 lb ae/a		22 oz/a		A				
4 Atrazine	1 lb ai/a		1 qt/a		A				
4 Warrant	1.13 lb ai/a		3 pt/a		A				
4 MSO	0.5 % v/v		0.3 qt/a		A				
4 N PAK AMS	2.5 % v/v		1.5 qt/a		A				
5 Impact	0.0164 lb ai/a		0.75 oz/a		A	100	96	100	99
5 Sequence	1.64 lb ae/a		2.5 pt/a		A				
5 Atrazine	1 lb ai/a		1 qt/a		A				
5 NIS	0.25 % v/v		4.8 oz/a		A				
5 N PAK AMS	2.5 % v/v		1.5 qt/a		A				
6 Halex GT	1.97 lb ai/a		3.6 pt/a		A	100	99	91	100
6 AAtrex	1 lb ai/a		1 qt/a		A				
6 NIS	0.25 % v/v		4.8 oz/a		A				
6 N PAK AMS	2.5 % v/v		1.5 qt/a		A				
7 Impact	0.0164 lb ai/a		0.75 oz/a		A	100	100	100	100
7 Roundup PowerMax	0.77 lb ae/a		22 oz/a		A				
7 Atrazine	1 lb ai/a		1 qt/a		A				
7 Zidua	0.106 lb ai/a		2 oz/a		A				
7 MSO	0.5 % v/v		0.3 qt/a		A				
7 N PAK AMS	2.5 % v/v		1.5 qt/a		A				

# The Ohio State University

Pest Type		W Weed	W Weed	W Weed	W Weed				
Pest Code		AMBEL	CHEAL	AMARE	ABUTH				
Pest Scientific Name		Ambrosia artem>	Chenopodium al>	Amaranthus ret>	Abutilon theop>				
Pest Name		Common ragweed	Common lambsqu>	Redroot pigweed	velvetleaf				
Crop Code									
BBCH Scale									
Crop Scientific Name									
Crop Name									
Rating Date		Jun-25-2014	Jun-25-2014	Jun-25-2014	Jun-25-2014				
Rating Type		CONTRO	CONTRO	CONTRO	CONTRO				
Rating Unit		%	%	%	%				
Number of Subsamples		1	1	1	1				
SE Group No.		20	21	22	23				
Days After First/Last Applic.		26 26	26 26	26 26	26 26				
Trt-Eval Interval		26 DA-A	26 DA-A	26 DA-A	26 DA-A				
Plant-Eval Interval		60 DP-1	60 DP-1	60 DP-1	60 DP-1				
Days After Emergence		44 DE-1	44 DE-1	44 DE-1	44 DE-1				
ARM Action Codes									
Number of Decimals		0	0	0	0				
Trt Treatment	Rate	Rate	Other Rate	Other Rate	Appl Code	20	21	22	23
8 Capreno	0.081 lb ai/a		3 oz/a		A	100	96	100	100
8 Roundup PowerMax	0.77 lb ae/a		22 oz/a		A				
8 Atrazine	1 lb ai/a		1 qt/a		A				
8 MSO	1 % v/v		0.6 qt/a		A				
8 N PAK AMS	2.5 % v/v		1.5 qt/a		A				
LSD (P=.05)		0.0	8.2				10.3		2.7
Standard Deviation		0.0	5.5				7.0		1.9
CV		0.0	6.56				8.37		2.14
Bartlett's X2		0.0	7.876				4.75		1.312
P(Bartlett's X2)		.	0.163				0.093		0.252
Skewness		-2.3809*	-2.241*				-2.1306*		-2.3657*
Kurtosis		3.9094*	3.4759*				3.0545*		3.863*
Replicate F		0.000	2.361				2.588		2.032
Replicate Prob(F)		1.0000	0.1004				0.0801		0.1401
Treatment F		0.000	152.929				95.527		1430.678
Treatment Prob(F)		1.0000	0.0001				0.0001		0.0001

# The Ohio State University

Pest Type	W Weed	W Weed	W Weed	W Weed	W Weed					
Pest Code	POLPY	IPOHE	SETFA	AMBTR	AMBEL					
Pest Scientific Name	Persicaria pen>	Ipomoea hedera>	Setaria faberi	Ambrosia trifi>	Ambrosia artem>					
Pest Name	Pennsylvania s>	Ivyleaf mornin>	Giant foxtail	Giant ragweed	Common ragweed					
Crop Code										
BBCH Scale										
Crop Scientific Name										
Crop Name										
Rating Date	Jun-25-2014	Jun-25-2014	Jul-25-2014	Jul-25-2014	Jul-25-2014					
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO					
Rating Unit	%	%	%	%	%					
Number of Subsamples	1	1	1	1	1					
SE Group No.	24	25	26	27	28					
Days After First/Last Applic.	26 26	26 26	56 56	56 56	56 56					
Trt-Eval Interval	26 DA-A	26 DA-A	56 DA-A	56 DA-A	56 DA-A					
Plant-Eval Interval	60 DP-1	60 DP-1	90 DP-1	90 DP-1	90 DP-1					
Days After Emergence	44 DE-1	44 DE-1	74 DE-1	74 DE-1	74 DE-1					
ARM Action Codes		ER3	ET1	ET1						
Number of Decimals	0		0	0	0					
Trt Treatment	Rate	Rate Unit	Other Rate	Other Rate Unit	Appl Unit Code	24	25	26	27	28
1 UTC						0	0.0	0	0	0
2 Impact	0.0164 lb ai/a		0.75 oz/a		A	100	50.0	76	70	100
2 Roundup PowerMax	0.77 lb ae/a		22 oz/a		A					
2 Atrazine	1 lb ai/a		1 qt/a		A					
2 MSO	1 % v/v		0.6 qt/a		A					
2 N PAK AMS	2.5 % v/v		1.5 qt/a		A					
3 Impact	0.0219 lb ai/a		1 oz/a		A	96	50.0	75	71	100
3 Roundup PowerMax	0.77 lb ae/a		22 oz/a		A					
3 Atrazine	1 lb ai/a		1 qt/a		A					
3 MSO	0.5 % v/v		0.3 qt/a		A					
3 N PAK AMS	2.5 % v/v		1.5 qt/a		A					
4 Impact	0.0164 lb ai/a		0.75 oz/a		A	100	42.5	91	81	100
4 Roundup PowerMax	0.77 lb ae/a		22 oz/a		A					
4 Atrazine	1 lb ai/a		1 qt/a		A					
4 Warrant	1.13 lb ai/a		3 pt/a		A					
4 MSO	0.5 % v/v		0.3 qt/a		A					
4 N PAK AMS	2.5 % v/v		1.5 qt/a		A					
5 Impact	0.0164 lb ai/a		0.75 oz/a		A	100	45.0	89	82	100
5 Sequence	1.64 lb ae/a		2.5 pt/a		A					
5 Atrazine	1 lb ai/a		1 qt/a		A					
5 NIS	0.25 % v/v		4.8 oz/a		A					
5 N PAK AMS	2.5 % v/v		1.5 qt/a		A					
6 Halex GT	1.97 lb ai/a		3.6 pt/a		A	96	45.0	80	82	100
6 AAtrex	1 lb ai/a		1 qt/a		A					
6 NIS	0.25 % v/v		4.8 oz/a		A					
6 N PAK AMS	2.5 % v/v		1.5 qt/a		A					
7 Impact	0.0164 lb ai/a		0.75 oz/a		A	95	45.0	92	84	100
7 Roundup PowerMax	0.77 lb ae/a		22 oz/a		A					
7 Atrazine	1 lb ai/a		1 qt/a		A					
7 Zidua	0.106 lb ai/a		2 oz/a		A					
7 MSO	0.5 % v/v		0.3 qt/a		A					
7 N PAK AMS	2.5 % v/v		1.5 qt/a		A					

# The Ohio State University

Pest Type	W Weed	W Weed	W Weed	W Weed	W Weed
Pest Code	POLPY	IPOHE	SETFA	AMBTR	AMBEL
Pest Scientific Name	Persicaria pen>	Ipomoea heder>	Setaria faberi	Ambrosia trifi>	Ambrosia artem>
Pest Name	Pennsylvania s>	Ivyleaf mornin>	Giant foxtail	Giant ragweed	Common ragweed
Crop Code					
BBCH Scale					
Crop Scientific Name					
Crop Name					
Rating Date	Jun-25-2014	Jun-25-2014	Jul-25-2014	Jul-25-2014	Jul-25-2014
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%	%
Number of Subsamples	1	1	1	1	1
SE Group No.	24	25	26	27	28
Days After First/Last Applic.	26 26	26 26	56 56	56 56	56 56
Trt-Eval Interval	26 DA-A	26 DA-A	56 DA-A	56 DA-A	56 DA-A
Plant-Eval Interval	60 DP-1	60 DP-1	90 DP-1	90 DP-1	90 DP-1
Days After Emergence	44 DE-1	44 DE-1	74 DE-1	74 DE-1	74 DE-1
ARM Action Codes		ER3	ET1	ET1	
Number of Decimals	0		0	0	0
Trt Treatment	Rate	Rate	Other	Other	Appl
No. Name	Rate	Unit	Rate	Rate	Unit Code
8 Capreno	0.081 lb ai/a		3 oz/a		A
8 Roundup PowerMax	0.77 lb ae/a		22 oz/a		A
8 Atrazine	1 lb ai/a		1 qt/a		A
8 MSO	1 % v/v		0.6 qt/a		A
8 N PAK AMS	2.5 % v/v		1.5 qt/a		A
LSD (P=.05)	7.4		21.57		11.5
Standard Deviation	5.0		14.66		7.8
CV	5.87		35.28		10.79
Bartlett's X2	0.336		3.308		6.094
P(Bartlett's X2)	0.845		0.769		0.413
Skewness	-2.2864*		-0.8719*		-1.9485*
Kurtosis	3.6054*		-0.2865		2.6387*
Replicate F	1.351		0.247		0.102
Replicate Prob(F)	0.2850		0.8625		0.9577
Treatment F	190.228		5.545		59.167
Treatment Prob(F)	0.0001		0.0010		0.0001

# The Ohio State University

Pest Type	W Weed	W Weed	W Weed	W Weed					
Pest Code	CHEAL	AMARE	ABUTH	POLPY					
Pest Scientific Name	Chenopodium al>	Amaranthus ret>	Abutilon theop>	Persicaria pen>					
Pest Name	Common lambsqu>	Redroot pigweed	velvetleaf	Pennsylvania s>					
Crop Code									
BBCH Scale									
Crop Scientific Name									
Crop Name									
Rating Date	Jul-25-2014	Jul-25-2014	Jul-25-2014	Jul-25-2014					
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO					
Rating Unit	%	%	%	%					
Number of Subsamples	1	1	1	1					
SE Group No.	29	30	31	32					
Days After First/Last Applic.	56 56	56 56	56 56	56 56					
Trt-Eval Interval	56 DA-A	56 DA-A	56 DA-A	56 DA-A					
Plant-Eval Interval	90 DP-1	90 DP-1	90 DP-1	90 DP-1					
Days After Emergence	74 DE-1	74 DE-1	74 DE-1	74 DE-1					
ARM Action Codes									
Number of Decimals	0	0	0	0					
Trt Treatment	Rate	Rate	Other	Other	Appl	29	30	31	32
No. Name	Unit	Unit	Rate	Rate	Unit Code				
1 UTC						0	0	0	0
2 Impact	0.0164 lb ai/a	0.75 oz/a			A	96	100	100	100
2 Roundup PowerMax	0.77 lb ae/a	22 oz/a			A				
2 Atrazine	1 lb ai/a	1 qt/a			A				
2 MSO	1 % v/v	0.6 qt/a			A				
2 N PAK AMS	2.5 % v/v	1.5 qt/a			A				
3 Impact	0.0219 lb ai/a	1 oz/a			A	100	100	96	100
3 Roundup PowerMax	0.77 lb ae/a	22 oz/a			A				
3 Atrazine	1 lb ai/a	1 qt/a			A				
3 MSO	0.5 % v/v	0.3 qt/a			A				
3 N PAK AMS	2.5 % v/v	1.5 qt/a			A				
4 Impact	0.0164 lb ai/a	0.75 oz/a			A	100	100	100	100
4 Roundup PowerMax	0.77 lb ae/a	22 oz/a			A				
4 Atrazine	1 lb ai/a	1 qt/a			A				
4 Warrant	1.13 lb ai/a	3 pt/a			A				
4 MSO	0.5 % v/v	0.3 qt/a			A				
4 N PAK AMS	2.5 % v/v	1.5 qt/a			A				
5 Impact	0.0164 lb ai/a	0.75 oz/a			A	96	100	96	100
5 Sequence	1.64 lb ae/a	2.5 pt/a			A				
5 Atrazine	1 lb ai/a	1 qt/a			A				
5 NIS	0.25 % v/v	4.8 oz/a			A				
5 N PAK AMS	2.5 % v/v	1.5 qt/a			A				
6 Halex GT	1.97 lb ai/a	3.6 pt/a			A	93	87	100	100
6 AAtrex	1 lb ai/a	1 qt/a			A				
6 NIS	0.25 % v/v	4.8 oz/a			A				
6 N PAK AMS	2.5 % v/v	1.5 qt/a			A				
7 Impact	0.0164 lb ai/a	0.75 oz/a			A	100	100	100	100
7 Roundup PowerMax	0.77 lb ae/a	22 oz/a			A				
7 Atrazine	1 lb ai/a	1 qt/a			A				
7 Zidua	0.106 lb ai/a	2 oz/a			A				
7 MSO	0.5 % v/v	0.3 qt/a			A				
7 N PAK AMS	2.5 % v/v	1.5 qt/a			A				

# The Ohio State University

Pest Type	W Weed	W Weed	W Weed	W Weed
Pest Code	CHEAL	AMARE	ABUTH	POLPY
Pest Scientific Name	Chenopodium al>	Amaranthus ret>	Abutilon theop>	Persicaria pen>
Pest Name	Common lambsqu>	Redroot pigweed	velvetleaf	Pennsylvania s>
Crop Code				
BBCH Scale				
Crop Scientific Name				
Crop Name				
Rating Date	Jul-25-2014	Jul-25-2014	Jul-25-2014	Jul-25-2014
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%
Number of Subsamples	1	1	1	1
SE Group No.	29	30	31	32
Days After First/Last Applic.	56 56	56 56	56 56	56 56
Trt-Eval Interval	56 DA-A	56 DA-A	56 DA-A	56 DA-A
Plant-Eval Interval	90 DP-1	90 DP-1	90 DP-1	90 DP-1
Days After Emergence	74 DE-1	74 DE-1	74 DE-1	74 DE-1
ARM Action Codes				
Number of Decimals	0	0	0	0
Trt Treatment	Rate	Rate	Rate	Rate
No. Name	Unit	Unit	Unit	Unit
		Other	Other	Appl
		Rate	Rate	Code
8 Capreno	0.081 lb ai/a	3 oz/a		A
8 Roundup PowerMax	0.77 lb ae/a	22 oz/a		A
8 Atrazine	1 lb ai/a	1 qt/a		A
8 MSO	1 % v/v	0.6 qt/a		A
8 N PAK AMS	2.5 % v/v	1.5 qt/a		A
LSD (P=.05)	6.3	2.8	5.1	0.0
Standard Deviation	4.3	1.9	3.5	0.0
CV	4.98	2.23	4.01	0.0
Bartlett's X2	0.084	0.0	0.0	0.0
P(Bartlett's X2)	0.959	.	.	.
Skewness	-2.2942*	-2.2963*	-2.3286*	-2.3809*
Kurtosis	3.6401*	3.6421*	3.7423*	3.9094*
Replicate F	1.492	1.000	2.333	0.000
Replicate Prob(F)	0.2457	0.4123	0.1032	1.0000
Treatment F	265.377	1336.033	406.926	0.000
Treatment Prob(F)	0.0001	0.0001	0.0001	1.0000



# The Ohio State University

Pest Type W Weed  
 Pest Code IPOHE  
 Pest Scientific Name Ipomoea hederata  
 Pest Name Ivyleaf mornin  
 Crop Code  
 BBCH Scale  
 Crop Scientific Name  
 Crop Name  
 Rating Date Jul-25-2014  
 Rating Type CONTRO  
 Rating Unit %  
 Number of Subsamples 1  
 SE Group No. 33  
 Days After First/Last Applic. 56 56  
 Trt-Eval Interval 56 DA-A  
 Plant-Eval Interval 90 DP-1  
 Days After Emergence 74 DE-1  
 ARM Action Codes ET1  
 Number of Decimals 0

Trt No.	Treatment Name	Rate	Unit	Other Rate	Other Rate	Appl Unit Code	
							33
1	UTC						0
2	Impact	0.0164 lb ai/a		0.75 oz/a		A	65
2	Roundup PowerMax	0.77 lb ae/a		22 oz/a		A	
2	Atrazine	1 lb ai/a		1 qt/a		A	
2	MSO	1 % v/v		0.6 qt/a		A	
2	N PAK AMS	2.5 % v/v		1.5 qt/a		A	
3	Impact	0.0219 lb ai/a		1 oz/a		A	68
3	Roundup PowerMax	0.77 lb ae/a		22 oz/a		A	
3	Atrazine	1 lb ai/a		1 qt/a		A	
3	MSO	0.5 % v/v		0.3 qt/a		A	
3	N PAK AMS	2.5 % v/v		1.5 qt/a		A	
4	Impact	0.0164 lb ai/a		0.75 oz/a		A	64
4	Roundup PowerMax	0.77 lb ae/a		22 oz/a		A	
4	Atrazine	1 lb ai/a		1 qt/a		A	
4	Warrant	1.13 lb ai/a		3 pt/a		A	
4	MSO	0.5 % v/v		0.3 qt/a		A	
4	N PAK AMS	2.5 % v/v		1.5 qt/a		A	
5	Impact	0.0164 lb ai/a		0.75 oz/a		A	60
5	Sequence	1.64 lb ae/a		2.5 pt/a		A	
5	Atrazine	1 lb ai/a		1 qt/a		A	
5	NIS	0.25 % v/v		4.8 oz/a		A	
5	N PAK AMS	2.5 % v/v		1.5 qt/a		A	
6	Halex GT	1.97 lb ai/a		3.6 pt/a		A	63
6	AAtrex	1 lb ai/a		1 qt/a		A	
6	NIS	0.25 % v/v		4.8 oz/a		A	
6	N PAK AMS	2.5 % v/v		1.5 qt/a		A	
7	Impact	0.0164 lb ai/a		0.75 oz/a		A	63
7	Roundup PowerMax	0.77 lb ae/a		22 oz/a		A	
7	Atrazine	1 lb ai/a		1 qt/a		A	
7	Zidua	0.106 lb ai/a		2 oz/a		A	
7	MSO	0.5 % v/v		0.3 qt/a		A	
7	N PAK AMS	2.5 % v/v		1.5 qt/a		A	

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Pest Type	W Weed
Pest Code	IPOHE
Pest Scientific Name	Ipomoea hederata
Pest Name	Ivyleaf mornin
Crop Code	
BBCH Scale	
Crop Scientific Name	
Crop Name	
Rating Date	Jul-25-2014
Rating Type	CONTRO
Rating Unit	%
Number of Subsamples	1
SE Group No.	33
Days After First/Last Applic.	56 56
Trt-Eval Interval	56 DA-A
Plant-Eval Interval	90 DP-1
Days After Emergence	74 DE-1
ARM Action Codes	ET1
Number of Decimals	0

Trt Treatment	Rate	Other	Other	Appl	33
No. Name	Rate	Unit	Rate	Rate	Unit Code
8 Capreno	0.081 lb ai/a		3 oz/a	A	74
8 Roundup PowerMax	0.77 lb ae/a		22 oz/a	A	
8 Atrazine	1 lb ai/a		1 qt/a	A	
8 MSO	1 % v/v		0.6 qt/a	A	
8 N PAK AMS	2.5 % v/v		1.5 qt/a	A	

LSD (P=.05)	21.1
Standard Deviation	14.4
CV	25.25
Bartlett's X2	4.016
P(Bartlett's X2)	0.675
Skewness	-1.1284*
Kurtosis	1.235

Replicate F	0.697
Replicate Prob(F)	0.5643
Treatment F	10.580
Treatment Prob(F)	0.0001

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## Influence of Impact Programs on Weed Control and Yield of Field Corn

Trial ID: 14POC1	Location:	Trial Year: 2014
Protocol ID: 14POC1	Investigator: Dr. Mark M. Loux	
Project ID: 14C04H060XOH500	Study Director:	
	Sponsor Contact: Joe Argentine, AMVAC	

Pest Type

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

Pest Code

SETFA, *Setaria faberi*, = US  
 AMBTR, *Ambrosia trifida*, = US  
 AMBEL, *Ambrosia artemisiifolia*, = US  
 CHEAL, *Chenopodium album*, = US  
 AMARE, *Amaranthus retroflexus*, = US  
 ABUTH, *Abutilon theophrasti*, = US  
 POLPY, *Persicaria pensylvanica*, = US  
 IPOHE, *Ipomoea hederacea*, = US

Crop Code

ZEAMX, BCOR, *Zea mays*, = US

Rating Type

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

Rating Unit

% = percent

Plant-Eval Interval

40 DP-1 = 1 ZEAMX Apr-26-2014  
 47 DP-1 = 1 ZEAMX Apr-26-2014  
 60 DP-1 = 1 ZEAMX Apr-26-2014  
 90 DP-1 = 1 ZEAMX Apr-26-2014

ARM Action Codes

AA = Automatic arcsine square root % transformation