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Pre Post Corn III Syngenta, Dow, Cheminova, Gowan,

Trial ID: 14PRPOC3 Location: Western Branch F-7 Trial Year: 2014
 Protocol ID: 14PRPOC3 Investigator: Dr. Mark M. Loux
 Project ID: Study Director: Anthony Dobbels
 Sponsor Contact: Various

Crop 1: ZEAMX Zea mays
Variety: Pioneer P1184AM
Description: RR/LL

Crop Description
 Corn
BBCH Scale: BCOR

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

Planting Date: Apr-26-2014
Planting Method: SEEDED seeded
Planting Equipment: FPP Finger Pickup Planter
Emergence Date: May-12-2014

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

Pest Description

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:** AMARE Amaranthus retroflexus
Common Name: Redroot pigweed

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

Pest 7 Type: W **Code:** SIDSP Sida spinosa
Common Name: Prickly sida

Pest 8 Type: W **Code:** AMBEL Ambrosia artemisiifolia
Common Name: Common ragweed

Treated Plot Width: 6.67 FT
Treated Plot Length: 30 FT
Treated Plot Area: 200.1 FT² **Treatments:** 10
Replications: 3

Site and Design
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

Description Name: F-7 West
% OM: 3.8 **Texture:** SICL silty clay loam
pH: 7.2 **Soil Name:** Kokomo
CEC: 23.6 **Fert. Level:** G good
Soil Drainage: G good

Soil Description

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Application Description

	A	B	C
Application Date:	Apr-26-2014	May-21-2014	Jun-5-2014
Appl. Start Time:	7:00 PM	9:30 AM	10:30 AM
Appl. Stop Time:	7:30 PM	10:00 AM	11:00 AM
Application Method:	SPRAY	SPRAY	SPRAY
Application Timing:	PRE	EPO	POST
Application Placement:	BROSOI	BROFOL	BROFOL
Applied By:	Loux	Loux	Ackley
Air Temperature, Unit:	74 F	74 f	66 f
% Relative Humidity:	47	74	73
Wind Velocity, Unit:	7 MPH	3 MPH	5.5 MPH
Wind Direction:	N	SSW	W
Dew Presence (Y/N):	N no	N no	N no
Soil Temperature, Unit:	62 F	64 F	62 F
Soil Moisture:	NORMAL	MOIST	MOIST
% Cloud Cover:	5	99	10
Next Moisture Occurred On:	Apr-28-2014	May-21-2014	Jun-8-2014
Time to Next Moisture, Unit:	1.5 DAY	7 HR	3 DAY

Crop Stage At Each Application

	A		B		C	
Crop 1 Code, BBCH Scale:	ZEAMX	BCOR	ZEAMX	BCOR	ZEAMX	BCOR
Stage Scale Used:	BBCH		BBCH		DESC	
Stage Majority, Percent:	12	100	15	100		
Height, Unit:	4	IN	18	IN		
Height Minimum, Maximum:	4	5	18	20		

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Pest Stage At Each Application

	A	B	C
Pest 1 Code, Type, Scale:	SETFA W	SETFA W	SETFA W
Stage Majority, Percent:	12	90	14 100
Stage Minimum, Percent:	11	10	
Stage Maximum, Percent:	12	90	
Height, Unit:	1	IN	1.5 IN
Height Minimum, Maximum:	1	2	1 2
Density, Unit:	183	M2	183 M2
Pest 2 Code, Type, Scale:	AMBTR W	AMBTR W	AMBTR W
Stage Majority, Percent:	12	90	18 100
Stage Minimum, Percent:	12	90	
Stage Maximum, Percent:	14	10	
Height, Unit:	2	IN	5 IN
Height Minimum, Maximum:	1	2	4 6
Density, Unit:	12	M2	12 M2
Pest 3 Code, Type, Scale:	CHEAL W	CHEAL W	CHEAL W
Stage Majority, Percent:	12	90	18 100
Stage Minimum, Percent:	12	90	
Stage Maximum, Percent:	14	10	
Height, Unit:	0.5	IN	1.5 IN
Height Minimum, Maximum:	0.5	1	1 2
Density, Unit:	5.33	M2	5.33 M2
Pest 4 Code, Type, Scale:	ABUTH W	ABUTH W	ABUTH W
Stage Majority, Percent:	10	90	
Stage Minimum, Percent:	10	90	
Stage Maximum, Percent:	12	10	
Height, Unit:	0.5	IN	
Height Minimum, Maximum:	0.25	0.5	
Density, Unit:	4.33	M2	
Pest 5 Code, Type, Scale:	AMARE W	AMARE W	AMARE W
Stage Majority, Percent:	12	100	
Height, Unit:	0.5	IN	
Height Minimum, Maximum:	0.25	0.5	
Density, Unit:	10	M2	
Pest 6 Code, Type, Scale:	POLPY W	POLPY W	POLPY W
Stage Majority, Percent:	12	90	
Stage Minimum, Percent:	10	10	
Stage Maximum, Percent:	12	90	
Height, Unit:	1	IN	
Height Minimum, Maximum:	0.5	1	
Density, Unit:	2.66	M2	
Pest 7 Code, Type, Scale:	SIDSP W	SIDSP W	SIDSP W
Stage Majority, Percent:	10	90	
Stage Minimum, Percent:	10	90	
Stage Maximum, Percent:	11	10	
Height, Unit:	0.25	IN	
Height Minimum, Maximum:	0.25	0.5	
Density, Unit:	8	m2	
Pest 8 Code, Type, Scale:	AMBEL W	AMBEL W	AMBEL W
Stage Majority, Percent:			16 100
Height, Unit:			2 IN
Height Minimum, Maximum:			1 3
Density, Unit:			2 M2

Application Equipment

	A	B	C
Appl. Equipment:	6 FOOT BOOM	6 FOOT BOOM	6 FOOT BOOM
Equipment Type:	SPRBAC	SPRBAC	SPRBAC
Operation Pressure, Unit:	46 PSI	46 PSI	46 PSI
Nozzle Type:	AI XR	AI XR	AI XR
Nozzle Size:	110015	110015	110015
Nozzle Spacing, Unit:	18 IN	18 IN	18 IN
Boom Length, Unit:	6.67 FT	10 FT	6.67 FT
Boom Height, Unit:	20 IN	20 IN	20 IN
Ground Speed, Unit:	3 MPH	3 MPH	3 MPH
Carrier:	WATER	WATER	WATER
Spray Volume, Unit:	15 GPA	15 GPA	15 GPA
Mix Size, Unit:	1 Liters	1 Liters	1 Liters
Propellant:	CO2	CO2	CO2

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Trial ID: 14PRPOC3
Protocol ID: 14PRPOC3
Project ID:

Location: Western Branch F-7 Trial Year: 2014
Investigator: Dr. Mark M. Loux
Study Director: Anthony Dobbels
Sponsor Contact: Various

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-3-2014	Jun-3-2014	Jun-3-2014	Jun-3-2014	Jun-3-2014
Rating Type	PHYGEN	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%	%
Number of Subsamples	1	1	1	1	1
SE Group No.	10	1	2	3	4
Rating Timing	AT POST	AT POST	AT POST	AT POST	AT POST
Days After First/Last Applic.	38 13	38 13	38 13	38 13	38 13
Trt-Eval Interval	-2 DA-C	-2 DA-C	-2 DA-C	-2 DA-C	-2 DA-C
Plant-Eval Interval	38 DP-1	38 DP-1	38 DP-1	38 DP-1	38 DP-1
Days After Emergence	22 DE-1	22 DE-1	22 DE-1	22 DE-1	22 DE-1
ARM Action Codes		AA	ET1	AA	ER3
Number of Decimals	0	0	0	0	0

Trt Treatment No. Name	Rate	Unit	Other Rate	Other Rate	Appl Unit Code	1	2	3	4	5
1 Lexar EZ	2.08 lb ai/a		2.25 qt/a		A	0	96	70	70	100
1 Halex GT	1.97 lb ai/a		3.6 pt/a		C					
1 AAtrex	0.5 lb ai/a		1 pt/a		C					
1 NIS	0.25 % v/v		4.8 oz/a		C					
1 N PAK AMS	2.5 % v/v		1.5 qt/a		C					
2 Bicep II Magnum	2.06 lb ai/a		1.5 qt/a		A	0	100	63	70	90
2 Halex GT	1.97 lb ai/a		3.6 pt/a		C					
2 AAtrex	0.5 lb ai/a		1 pt/a		C					
2 NIS	0.25 % v/v		4.8 oz/a		C					
2 N PAK AMS	2.5 % v/v		1.5 qt/a		C					
3 Bicep II Magnum	2.06 lb ai/a		1.5 qt/a		A	0	100	57	86	70
3 Halex GT	1.97 lb ai/a		3.6 pt/a		C					
3 Clarity	0.25 lb ai/a		8 oz/a		C					
3 NIS	0.25 % v/v		4.8 oz/a		C					
3 N PAK AMS	2.5 % v/v		1.5 qt/a		C					
4 Bicep II Magnum	2.06 lb ai/a		1.5 qt/a		A	0	95	53	86	80
4 Callisto GT	1.04 lb ai/a		2 pt/a		C					
4 AAtrex	0.5 lb ai/a		1 pt/a		C					
4 NIS	0.25 % v/v		4.8 oz/a		C					
4 N PAK AMS	2.5 % v/v		1.5 qt/a		C					
5 Keystone NXT	3.68 lb ai/a		2.8 qt/a		A	0	100	73	98	100
5 Hornet WDG	0.171 lb ai/a		4 oz/a		A					
6 Surestart II	1.04 lb ai/a		2 pt/a		A	0	93	57	73	100
6 Durango DMA	0.75 lb ae/a		1.5 pt/a		C					
6 N PAK AMS	2.5 % v/v		1.5 qt/a		C					
7 Surestart II	1.04 lb ai/a		2 pt/a		B	0	98	87	100	100
7 Durango DMA	0.75 lb ae/a		1.5 pt/a		B					
7 N PAK AMS	2.5 % v/v		1.5 qt/a		B					
8 Bicep II Magnum	1.38 lb ai/a		1 qt/a		A	0	95	57	72	90
8 Yukon	0.169 lb ai/a		4 oz/a		C					
8 Roundup PowerMax	0.77 lb ae/a		22 oz/a		C					
8 NIS	0.25 % v/v		4.8 oz/a		C					
8 N PAK AMS	5 % v/v		3 qt/a		C					

t=Mean descriptions are reported in transformed data units, and are not de-transformed.

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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-3-2014	Jun-3-2014	Jun-3-2014	Jun-3-2014	Jun-3-2014
Rating Type	PHYGEN	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%	%
Number of Subsamples	1	1	1	1	1
SE Group No.	10	1	2	3	4
Rating Timing	AT POST	AT POST	AT POST	AT POST	AT POST
Days After First/Last Applic.	38 13	38 13	38 13	38 13	38 13
Trt-Eval Interval	-2 DA-C	-2 DA-C	-2 DA-C	-2 DA-C	-2 DA-C
Plant-Eval Interval	38 DP-1	38 DP-1	38 DP-1	38 DP-1	38 DP-1
Days After Emergence	22 DE-1	22 DE-1	22 DE-1	22 DE-1	22 DE-1
ARM Action Codes		AA	ET1	AA	ER3
Number of Decimals	0	0	0	0	0
Trt Treatment	Rate	Other Rate	Other Rate	Appl Unit	Code
No. Name	Rate	Unit	Rate	Rate	Unit
9 Bicep II Magnum	2.06 lb ai/a	1.5 qt/a		A	
9 Roundup PowerMax	1.13 lb ae/a	32 oz/a		C	
9 Status	0.0875 lb ai/a	2.5 oz/a		C	
9 N PAK AMS	2.5 % v/v	1.5 qt/a		C	
10 UTC					
LSD (P=.05)	0.0	20.4t	19.6	18.7t	16.9
Standard Deviation	0.0	11.9t	11.5	10.9t	9.8
CV	0.0	16.04	20.95	17.66	12.27
Bartlett's X2	0.0	11.04	5.437	9.877	14.592
P(Bartlett's X2)	.	0.137	0.607	0.079	0.006*
Skewness	.	-2.0836*	-0.9093*	-1.0974*	-1.8599*
Kurtosis	.	3.4686*	0.1409	1.5158	2.9019*
Replicate F	0.000	0.963	4.983	2.448	0.393
Replicate Prob(F)	1.0000	0.4006	0.0190	0.1147	0.6806
Treatment F	0.000	15.028	13.458	15.273	28.793
Treatment Prob(F)	1.0000	0.0001	0.0001	0.0001	0.0001

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Pest Type	W Weed	W Weed	W Weed	W Weed	W Weed
Pest Code	ABUTH	AMARE	HIBTR	POLPY	SETFA
Pest Scientific Name	Abutilon theop>	Amaranthus ret>	Hibiscus trion>	Persicaria pen>	Setaria faberi
Pest Name	velvetleaf	Redroot pigweed	Venice mallow	Pennsylvania s>	Giant foxtail
Crop Code					
BBCH Scale					
Crop Scientific Name					
Crop Name					
Rating Date	Jun-3-2014	Jun-3-2014	Jun-3-2014	Jun-3-2014	Jun-19-2014
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%	%
Number of Subsamples	1	1	1	1	1
SE Group No.	5	6	7	9	11
Rating Timing	AT POST	AT POST	AT POST	AT POST	
Days After First/Last Applic.	38 13	38 13	38 13	38 13	54 14
Trt-Eval Interval	-2 DA-C	-2 DA-C	-2 DA-C	-2 DA-C	14 DA-C
Plant-Eval Interval	38 DP-1	38 DP-1	38 DP-1	38 DP-1	54 DP-1
Days After Emergence	22 DE-1	22 DE-1	22 DE-1	22 DE-1	38 DE-1
ARM Action Codes	AA		ER3		ER1
Number of Decimals	0	0	0	0	0

Trt Treatment No. Name	Rate	Unit	Other Rate	Other Rate	Appl Unit Code	6	7	8	9	10
1 Lexar EZ	2.08 lb ai/a		2.25 qt/a		A	86	90	80	90	67
1 Halex GT	1.97 lb ai/a		3.6 pt/a		C					
1 AAtrex	0.5 lb ai/a		1 pt/a		C					
1 NIS	0.25 % v/v		4.8 oz/a		C					
1 N PAK AMS	2.5 % v/v		1.5 qt/a		C					
2 Bicep II Magnum	2.06 lb ai/a		1.5 qt/a		A	86	90	90	90	100
2 Halex GT	1.97 lb ai/a		3.6 pt/a		C					
2 AAtrex	0.5 lb ai/a		1 pt/a		C					
2 NIS	0.25 % v/v		4.8 oz/a		C					
2 N PAK AMS	2.5 % v/v		1.5 qt/a		C					
3 Bicep II Magnum	2.06 lb ai/a		1.5 qt/a		A	70	80	80	80	100
3 Halex GT	1.97 lb ai/a		3.6 pt/a		C					
3 Clarity	0.25 lb ai/a		8 oz/a		C					
3 NIS	0.25 % v/v		4.8 oz/a		C					
3 N PAK AMS	2.5 % v/v		1.5 qt/a		C					
4 Bicep II Magnum	2.06 lb ai/a		1.5 qt/a		A	86	80	80	80	100
4 Callisto GT	1.04 lb ai/a		2 pt/a		C					
4 AAtrex	0.5 lb ai/a		1 pt/a		C					
4 NIS	0.25 % v/v		4.8 oz/a		C					
4 N PAK AMS	2.5 % v/v		1.5 qt/a		C					
5 Keystone NXT	3.68 lb ai/a		2.8 qt/a		A	100	100	100	100	80
5 Hornet WDG	0.171 lb ai/a		4 oz/a		A					
6 Surestart II	1.04 lb ai/a		2 pt/a		A	100	100	100	90	100
6 Durango DMA	0.75 lb ae/a		1.5 pt/a		C					
6 N PAK AMS	2.5 % v/v		1.5 qt/a		C					
7 Surestart II	1.04 lb ai/a		2 pt/a		B	100	100	100	100	80
7 Durango DMA	0.75 lb ae/a		1.5 pt/a		B					
7 N PAK AMS	2.5 % v/v		1.5 qt/a		B					
8 Bicep II Magnum	1.38 lb ai/a		1 qt/a		A	96	90	70	90	100
8 Yukon	0.169 lb ai/a		4 oz/a		C					
8 Roundup PowerMax	0.77 lb ae/a		22 oz/a		C					
8 NIS	0.25 % v/v		4.8 oz/a		C					
8 N PAK AMS	5 % v/v		3 qt/a		C					

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Pest Type	W Weed	W Weed	W Weed	W Weed	W Weed
Pest Code	ABUTH	AMARE	HIBTR	POLPY	SETFA
Pest Scientific Name	Abutilon theop>	Amaranthus ret>	Hibiscus trion>	Persicaria pen>	Setaria faberi
Pest Name	velvetleaf	Redroot pigweed	Venice mallow	Pennsylvania s>	Giant foxtail
Crop Code					
BBCH Scale					
Crop Scientific Name					
Crop Name					
Rating Date	Jun-3-2014	Jun-3-2014	Jun-3-2014	Jun-3-2014	Jun-19-2014
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%	%
Number of Subsamples	1	1	1	1	1
SE Group No.	5	6	7	9	11
Rating Timing	AT POST	AT POST	AT POST	AT POST	
Days After First/Last Applic.	38 13	38 13	38 13	38 13	54 14
Trt-Eval Interval	-2 DA-C	-2 DA-C	-2 DA-C	-2 DA-C	14 DA-C
Plant-Eval Interval	38 DP-1	38 DP-1	38 DP-1	38 DP-1	54 DP-1
Days After Emergence	22 DE-1	22 DE-1	22 DE-1	22 DE-1	38 DE-1
ARM Action Codes	AA		ER3		ER1
Number of Decimals	0	0	0	0	0
Trt Treatment					
No. Name	Rate	Unit	Other Rate	Other Rate	Appl Unit Code
9 Bicep II Magnum	2.06 lb ai/a		1.5 qt/a		A
9 Roundup PowerMax	1.13 lb ae/a		32 oz/a		C
9 Status	0.0875 lb ai/a		2.5 oz/a		C
9 N PAK AMS	2.5 % v/v		1.5 qt/a		C
10 UTC	0		0		0
LSD (P=.05)	20.9t		23.4		18.1
Standard Deviation	12.2t		13.6		10.5
CV	18.25		16.79		13.69
Bartlett's X2	6.609		0.016		7.974
P(Bartlett's X2)	0.158		1.00		0.093
Skewness	-1.2692*		-1.9267*		-1.6822*
Kurtosis	1.2835		3.0704*		2.5408*
Replicate F	0.947		0.423		1.799
Replicate Prob(F)	0.4065		0.6613		0.1940
Treatment F	14.412		14.161		23.375
Treatment Prob(F)	0.0001		0.0001		0.0001

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Pest Type	W Weed	W Weed	W Weed	W Weed
Pest Code	AMBTR	AMBEL	CHEAL	ABUTH
Pest Scientific Name	Ambrosia trifi>	Ambrosia artem>	Chenopodium al>	Abutilon theop>
Pest Name	Giant ragweed	Common ragweed	Common lambsqu>	velvetleaf
Crop Code				
BBCH Scale				
Crop Scientific Name				
Crop Name				
Rating Date	Jun-19-2014	Jun-19-2014	Jun-19-2014	Jun-19-2014
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%
Number of Subsamples	1	1	1	1
SE Group No.	12	13	14	15
Rating Timing				
Days After First/Last Applic.	54 14	54 14	54 14	54 14
Trt-Eval Interval	14 DA-C	14 DA-C	14 DA-C	14 DA-C
Plant-Eval Interval	54 DP-1	54 DP-1	54 DP-1	54 DP-1
Days After Emergence	38 DE-1	38 DE-1	38 DE-1	38 DE-1
ARM Action Codes	AA		AA	
Number of Decimals	0	0	0	0

Trt Treatment No. Name	Rate	Unit	Other Rate	Other Rate	Appl Unit Code	11	12	13	14
1 Lexar EZ	2.08 lb ai/a		2.25 qt/a		A	99	100	100	100
1 Halex GT	1.97 lb ai/a		3.6 pt/a		C				
1 AAtrex	0.5 lb ai/a		1 pt/a		C				
1 NIS	0.25 % v/v		4.8 oz/a		C				
1 N PAK AMS	2.5 % v/v		1.5 qt/a		C				
2 Bicep II Magnum	2.06 lb ai/a		1.5 qt/a		A	99	100	100	100
2 Halex GT	1.97 lb ai/a		3.6 pt/a		C				
2 AAtrex	0.5 lb ai/a		1 pt/a		C				
2 NIS	0.25 % v/v		4.8 oz/a		C				
2 N PAK AMS	2.5 % v/v		1.5 qt/a		C				
3 Bicep II Magnum	2.06 lb ai/a		1.5 qt/a		A	91	100	100	100
3 Halex GT	1.97 lb ai/a		3.6 pt/a		C				
3 Clarity	0.25 lb ai/a		8 oz/a		C				
3 NIS	0.25 % v/v		4.8 oz/a		C				
3 N PAK AMS	2.5 % v/v		1.5 qt/a		C				
4 Bicep II Magnum	2.06 lb ai/a		1.5 qt/a		A	99	100	100	100
4 Callisto GT	1.04 lb ai/a		2 pt/a		C				
4 AAtrex	0.5 lb ai/a		1 pt/a		C				
4 NIS	0.25 % v/v		4.8 oz/a		C				
4 N PAK AMS	2.5 % v/v		1.5 qt/a		C				
5 Keystone NXT	3.68 lb ai/a		2.8 qt/a		A	36	90	96	90
5 Hornet WDG	0.171 lb ai/a		4 oz/a		A				
6 Surestart II	1.04 lb ai/a		2 pt/a		A	86	100	100	100
6 Durango DMA	0.75 lb ae/a		1.5 pt/a		C				
6 N PAK AMS	2.5 % v/v		1.5 qt/a		C				
7 Surestart II	1.04 lb ai/a		2 pt/a		B	70	100	99	100
7 Durango DMA	0.75 lb ae/a		1.5 pt/a		B				
7 N PAK AMS	2.5 % v/v		1.5 qt/a		B				
8 Bicep II Magnum	1.38 lb ai/a		1 qt/a		A	98	100	100	100
8 Yukon	0.169 lb ai/a		4 oz/a		C				
8 Roundup PowerMax	0.77 lb ae/a		22 oz/a		C				
8 NIS	0.25 % v/v		4.8 oz/a		C				
8 N PAK AMS	5 % v/v		3 qt/a		C				

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Pest Type	W Weed	W Weed	W Weed	W Weed				
Pest Code	AMBTR	AMBEL	CHEAL	ABUTH				
Pest Scientific Name	Ambrosia trifi>	Ambrosia artem>	Chenopodium al>	Abutilon theop>				
Pest Name	Giant ragweed	Common ragweed	Common lambsqu>	velvetleaf				
Crop Code								
BBCH Scale								
Crop Scientific Name								
Crop Name								
Rating Date	Jun-19-2014	Jun-19-2014	Jun-19-2014	Jun-19-2014				
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO				
Rating Unit	%	%	%	%				
Number of Subsamples	1	1	1	1				
SE Group No.	12	13	14	15				
Rating Timing								
Days After First/Last Applic.	54 14	54 14	54 14	54 14				
Trt-Eval Interval	14 DA-C	14 DA-C	14 DA-C	14 DA-C				
Plant-Eval Interval	54 DP-1	54 DP-1	54 DP-1	54 DP-1				
Days After Emergence	38 DE-1	38 DE-1	38 DE-1	38 DE-1				
ARM Action Codes	AA		AA					
Number of Decimals	0	0	0	0				
Trt Treatment	Rate	Other Rate	Other Rate	Appl Unit Code	11	12	13	14
9 Bicep II Magnum	2.06 lb ai/a	1.5 qt/a		A	95	100	100	100
9 Roundup PowerMax	1.13 lb ae/a	32 oz/a		C				
9 Status	0.0875 lb ai/a	2.5 oz/a		C				
9 N PAK AMS	2.5 % v/v	1.5 qt/a		C				
10 UTC					0	0	0	0
LSD (P=.05)					13.1t	9.4	11.4t	9.4
Standard Deviation					7.6t	5.5	6.6t	5.5
CV					11.81	6.15	8.34	6.15
Bartlett's X2					3.49	0.0	1.529	0.0
P(Bartlett's X2)					0.745	.	0.216	.
Skewness					-1.4773*	-2.6742*	-2.5882*	-2.6742*
Kurtosis					1.2692	5.7168*	5.332*	5.7168*
Replicate F					1.723	1.000	0.638	1.000
Replicate Prob(F)					0.2068	0.3874	0.5398	0.3874
Treatment F					38.442	98.778	54.119	98.778
Treatment Prob(F)					0.0001	0.0001	0.0001	0.0001

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Trt Treatment No. Name	Rate	Unit	Other Rate	Other Rate	Appl Unit Code	15	16	17	18	19
1 Lexar EZ	2.08 lb ai/a		2.25 qt/a		A	100	97	100	99	100
1 Halex GT	1.97 lb ai/a		3.6 pt/a		C					
1 AAtrex	0.5 lb ai/a		1 pt/a		C					
1 NIS	0.25 % v/v		4.8 oz/a		C					
1 N PAK AMS	2.5 % v/v		1.5 qt/a		C					
2 Bicep II Magnum	2.06 lb ai/a		1.5 qt/a		A	100	93	100	100	100
2 Halex GT	1.97 lb ai/a		3.6 pt/a		C					
2 AAtrex	0.5 lb ai/a		1 pt/a		C					
2 NIS	0.25 % v/v		4.8 oz/a		C					
2 N PAK AMS	2.5 % v/v		1.5 qt/a		C					
3 Bicep II Magnum	2.06 lb ai/a		1.5 qt/a		A	100	98	100	98	100
3 Halex GT	1.97 lb ai/a		3.6 pt/a		C					
3 Clarity	0.25 lb ai/a		8 oz/a		C					
3 NIS	0.25 % v/v		4.8 oz/a		C					
3 N PAK AMS	2.5 % v/v		1.5 qt/a		C					
4 Bicep II Magnum	2.06 lb ai/a		1.5 qt/a		A	100	100	100	99	98
4 Callisto GT	1.04 lb ai/a		2 pt/a		C					
4 AAtrex	0.5 lb ai/a		1 pt/a		C					
4 NIS	0.25 % v/v		4.8 oz/a		C					
4 N PAK AMS	2.5 % v/v		1.5 qt/a		C					
5 Keystone NXT	3.68 lb ai/a		2.8 qt/a		A	90	73	90	73	75
5 Hornet WDG	0.171 lb ai/a		4 oz/a		A					
6 Surestart II	1.04 lb ai/a		2 pt/a		A	100	92	100	95	88
6 Durango DMA	0.75 lb ae/a		1.5 pt/a		C					
6 N PAK AMS	2.5 % v/v		1.5 qt/a		C					
7 Surestart II	1.04 lb ai/a		2 pt/a		B	100	78	100	86	68
7 Durango DMA	0.75 lb ae/a		1.5 pt/a		B					
7 N PAK AMS	2.5 % v/v		1.5 qt/a		B					
8 Bicep II Magnum	1.38 lb ai/a		1 qt/a		A	100	98	100	98	92
8 Yukon	0.169 lb ai/a		4 oz/a		C					
8 Roundup PowerMax	0.77 lb ae/a		22 oz/a		C					
8 NIS	0.25 % v/v		4.8 oz/a		C					
8 N PAK AMS	5 % v/v		3 qt/a		C					

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Pest Type	W Weed	W Weed	W Weed	W Weed	W Weed
Pest Code	AMARE	HIBTR	POLPY	IPOHE	SETFA
Pest Scientific Name	Amaranthus ret>	Hibiscus trion>	Persicaria pen>	Ipomoea hederata>	Setaria faberi
Pest Name	Redroot pigweed	Venice mallow	Pennsylvania s>	Ivyleaf mornin>	Giant foxtail
Crop Code					
BBCH Scale					
Crop Scientific Name					
Crop Name					
Rating Date	Jun-19-2014	Jun-19-2014	Jun-19-2014	Jun-19-2014	Jul-3-2014
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%	%
Number of Subsamples	1	1	1	1	1
SE Group No.	16	17	18	19	20
Rating Timing					
Days After First/Last Applic.	54 14	54 14	54 14	54 14	68 28
Trt-Eval Interval	14 DA-C	14 DA-C	14 DA-C	14 DA-C	28 DA-C
Plant-Eval Interval	54 DP-1	54 DP-1	54 DP-1	54 DP-1	68 DP-1
Days After Emergence	38 DE-1	38 DE-1	38 DE-1	38 DE-1	52 DE-1
ARM Action Codes				AA	
Number of Decimals	0	0	0	0	0
Trt Treatment					
No. Name	Rate	Unit	Other Rate	Other Rate	Appl Unit Code
9 Bicep II Magnum	2.06 lb ai/a		1.5 qt/a		A
9 Roundup PowerMax	1.13 lb ae/a		32 oz/a		C
9 Status	0.0875 lb ai/a		2.5 oz/a		C
9 N PAK AMS	2.5 % v/v		1.5 qt/a		C
10 UTC					
LSD (P=.05)	9.4		9.7		9.4
Standard Deviation	5.5		5.7		5.5
CV	6.15		6.83		6.15
Bartlett's X2	0.0		9.326		0.0
P(Bartlett's X2)	.		0.23		.
Skewness	-2.6742*		-2.239*		-2.6742*
Kurtosis	5.7168*		4.1424*		5.7168*
Replicate F	1.000		6.347		1.000
Replicate Prob(F)	0.3874		0.0082		0.3874
Treatment F	98.778		87.055		98.778
Treatment Prob(F)	0.0001		0.0001		0.0001

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Pest Type	W Weed	W Weed	W Weed	W Weed
Pest Code	AMBTR	AMBEL	CHEAL	ABUTH
Pest Scientific Name	Ambrosia trifi>	Ambrosia artem>	Chenopodium al>	Abutilon theop>
Pest Name	Giant ragweed	Common ragweed	Common lambsqu>	velvetleaf
Crop Code				
BBCH Scale				
Crop Scientific Name				
Crop Name				
Rating Date	Jul-3-2014	Jul-3-2014	Jul-3-2014	Jul-3-2014
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%
Number of Subsamples	1	1	1	1
SE Group No.	21	22	23	24
Rating Timing				
Days After First/Last Applic.	68 28	68 28	68 28	68 28
Trt-Eval Interval	28 DA-C	28 DA-C	28 DA-C	28 DA-C
Plant-Eval Interval	68 DP-1	68 DP-1	68 DP-1	68 DP-1
Days After Emergence	52 DE-1	52 DE-1	52 DE-1	52 DE-1
ARM Action Codes	AA	AA	AA	
Number of Decimals	0	0	0	0

Trt Treatment No. Name	Rate	Unit	Other Rate	Other Rate	Appl Unit Code	20	21	22	23
1 Lexar EZ	2.08 lb ai/a		2.25 qt/a		A	96	100	100	100
1 Halex GT	1.97 lb ai/a		3.6 pt/a		C				
1 AAtrex	0.5 lb ai/a		1 pt/a		C				
1 NIS	0.25 % v/v		4.8 oz/a		C				
1 N PAK AMS	2.5 % v/v		1.5 qt/a		C				
2 Bicep II Magnum	2.06 lb ai/a		1.5 qt/a		A	96	100	100	100
2 Halex GT	1.97 lb ai/a		3.6 pt/a		C				
2 AAtrex	0.5 lb ai/a		1 pt/a		C				
2 NIS	0.25 % v/v		4.8 oz/a		C				
2 N PAK AMS	2.5 % v/v		1.5 qt/a		C				
3 Bicep II Magnum	2.06 lb ai/a		1.5 qt/a		A	82	100	100	100
3 Halex GT	1.97 lb ai/a		3.6 pt/a		C				
3 Clarity	0.25 lb ai/a		8 oz/a		C				
3 NIS	0.25 % v/v		4.8 oz/a		C				
3 N PAK AMS	2.5 % v/v		1.5 qt/a		C				
4 Bicep II Magnum	2.06 lb ai/a		1.5 qt/a		A	96	100	99	97
4 Callisto GT	1.04 lb ai/a		2 pt/a		C				
4 AAtrex	0.5 lb ai/a		1 pt/a		C				
4 NIS	0.25 % v/v		4.8 oz/a		C				
4 N PAK AMS	2.5 % v/v		1.5 qt/a		C				
5 Keystone NXT	3.68 lb ai/a		2.8 qt/a		A	8	63	95	87
5 Hornet WDG	0.171 lb ai/a		4 oz/a		A				
6 Surestart II	1.04 lb ai/a		2 pt/a		A	80	98	99	100
6 Durango DMA	0.75 lb ae/a		1.5 pt/a		C				
6 N PAK AMS	2.5 % v/v		1.5 qt/a		C				
7 Surestart II	1.04 lb ai/a		2 pt/a		B	62	83	93	100
7 Durango DMA	0.75 lb ae/a		1.5 pt/a		B				
7 N PAK AMS	2.5 % v/v		1.5 qt/a		B				
8 Bicep II Magnum	1.38 lb ai/a		1 qt/a		A	93	100	100	100
8 Yukon	0.169 lb ai/a		4 oz/a		C				
8 Roundup PowerMax	0.77 lb ae/a		22 oz/a		C				
8 NIS	0.25 % v/v		4.8 oz/a		C				
8 N PAK AMS	5 % v/v		3 qt/a		C				

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Pest Type	W Weed	W Weed	W Weed	W Weed				
Pest Code	AMBTR	AMBEL	CHEAL	ABUTH				
Pest Scientific Name	Ambrosia trifi>	Ambrosia artem>	Chenopodium al>	Abutilon theop>				
Pest Name	Giant ragweed	Common ragweed	Common lambsqu>	velvetleaf				
Crop Code								
BBCH Scale								
Crop Scientific Name								
Crop Name								
Rating Date	Jul-3-2014	Jul-3-2014	Jul-3-2014	Jul-3-2014				
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO				
Rating Unit	%	%	%	%				
Number of Subsamples	1	1	1	1				
SE Group No.	21	22	23	24				
Rating Timing								
Days After First/Last Applic.	68 28	68 28	68 28	68 28				
Trt-Eval Interval	28 DA-C	28 DA-C	28 DA-C	28 DA-C				
Plant-Eval Interval	68 DP-1	68 DP-1	68 DP-1	68 DP-1				
Days After Emergence	52 DE-1	52 DE-1	52 DE-1	52 DE-1				
ARM Action Codes	AA	AA	AA	AA				
Number of Decimals	0	0	0	0				
Trt Treatment	Rate	Other Rate	Other Rate	Appl Unit Code	20	21	22	23
9 Bicep II Magnum	2.06 lb ai/a	1.5 qt/a		A	82	100	100	100
9 Roundup PowerMax	1.13 lb ae/a	32 oz/a		C				
9 Status	0.0875 lb ai/a	2.5 oz/a		C				
9 N PAK AMS	2.5 % v/v	1.5 qt/a		C				
10 UTC					0	0	0	0
LSD (P=.05)					20.5t	13.5t	16.2t	13.1
Standard Deviation					11.9t	7.9t	9.5t	7.6
CV					20.86	10.71	12.25	8.63
Bartlett's X2					14.954	6.127	3.277	2.942
P(Bartlett's X2)					0.06	0.106	0.351	0.086
Skewness					-1.1869*	-1.8064*	-2.3473*	-2.5782*
Kurtosis					0.453	2.3238*	4.3665*	5.258*
Replicate F					2.850	2.692	0.024	0.745
Replicate Prob(F)					0.0841	0.0949	0.9765	0.4887
Treatment F					15.775	40.123	25.740	50.605
Treatment Prob(F)					0.0001	0.0001	0.0001	0.0001

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Trt Treatment No. Name	Rate	Unit	Other Rate	Other Rate	Appl Unit Code	24	25	26	27	28
1 Lexar EZ	2.08 lb ai/a		2.25 qt/a		A	100	100	100	97	100
1 Halex GT	1.97 lb ai/a		3.6 pt/a		C					
1 AAtrex	0.5 lb ai/a		1 pt/a		C					
1 NIS	0.25 % v/v		4.8 oz/a		C					
1 N PAK AMS	2.5 % v/v		1.5 qt/a		C					
2 Bicep II Magnum	2.06 lb ai/a		1.5 qt/a		A	100	93	100	100	100
2 Halex GT	1.97 lb ai/a		3.6 pt/a		C					
2 AAtrex	0.5 lb ai/a		1 pt/a		C					
2 NIS	0.25 % v/v		4.8 oz/a		C					
2 N PAK AMS	2.5 % v/v		1.5 qt/a		C					
3 Bicep II Magnum	2.06 lb ai/a		1.5 qt/a		A	100	92	100	87	100
3 Halex GT	1.97 lb ai/a		3.6 pt/a		C					
3 Clarity	0.25 lb ai/a		8 oz/a		C					
3 NIS	0.25 % v/v		4.8 oz/a		C					
3 N PAK AMS	2.5 % v/v		1.5 qt/a		C					
4 Bicep II Magnum	2.06 lb ai/a		1.5 qt/a		A	97	93	100	89	95
4 Callisto GT	1.04 lb ai/a		2 pt/a		C					
4 AAtrex	0.5 lb ai/a		1 pt/a		C					
4 NIS	0.25 % v/v		4.8 oz/a		C					
4 N PAK AMS	2.5 % v/v		1.5 qt/a		C					
5 Keystone NXT	3.68 lb ai/a		2.8 qt/a		A	87	63	95	63	75
5 Hornet WDG	0.171 lb ai/a		4 oz/a		A					
6 Surestart II	1.04 lb ai/a		2 pt/a		A	93	85	99	88	85
6 Durango DMA	0.75 lb ae/a		1.5 pt/a		C					
6 N PAK AMS	2.5 % v/v		1.5 qt/a		C					
7 Surestart II	1.04 lb ai/a		2 pt/a		B	100	70	100	77	61
7 Durango DMA	0.75 lb ae/a		1.5 pt/a		B					
7 N PAK AMS	2.5 % v/v		1.5 qt/a		B					
8 Bicep II Magnum	1.38 lb ai/a		1 qt/a		A	100	92	100	88	87
8 Yukon	0.169 lb ai/a		4 oz/a		C					
8 Roundup PowerMax	0.77 lb ae/a		22 oz/a		C					
8 NIS	0.25 % v/v		4.8 oz/a		C					
8 N PAK AMS	5 % v/v		3 qt/a		C					

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Pest Type	W Weed	W Weed	W Weed	W Weed	W Weed
Pest Code	AMARE	SIDSP	POLPY	IPOHE	SETFA
Pest Scientific Name	Amaranthus ret>	Sida spinosa	Persicaria pen>	Ipomoea heder>	Setaria faberi
Pest Name	Redroot pigweed	Prickly sida	Pennsylvania s>	Ivyleaf mornin>	Giant foxtail
Crop Code					
BBCH Scale					
Crop Scientific Name					
Crop Name					
Rating Date	Jul-3-2014	Jul-3-2014	Jul-3-2014	Jul-3-2014	Jul-31-2014
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%	%
Number of Subsamples	1	1	1	1	1
SE Group No.	25	26	27	28	29
Rating Timing					
Days After First/Last Applic.	68 28	68 28	68 28	68 28	96 56
Trt-Eval Interval	28 DA-C	28 DA-C	28 DA-C	28 DA-C	56 DA-C
Plant-Eval Interval	68 DP-1	68 DP-1	68 DP-1	68 DP-1	96 DP-1
Days After Emergence	52 DE-1	52 DE-1	52 DE-1	52 DE-1	80 DE-1
ARM Action Codes		ET10	AA		AA
Number of Decimals	0	0	0	0	0
Trt Treatment					
No. Name	Rate	Unit	Other Rate	Other Rate	Appl Unit Code
9 Bicep II Magnum	2.06 lb ai/a		1.5 qt/a		A
9 Roundup PowerMax	1.13 lb ae/a		32 oz/a		C
9 Status	0.0875 lb ai/a		2.5 oz/a		C
9 N PAK AMS	2.5 % v/v		1.5 qt/a		C
10 UTC					
LSD (P=.05)	14.7		14.3		13.1t
Standard Deviation	8.5		8.4		7.7t
CV	9.74		10.72		9.67
Bartlett's X2	3.215		9.154		2.031
P(Bartlett's X2)	0.20		0.329		0.154
Skewness	-2.5227*		-1.9118*		-2.5326*
Kurtosis	5.0533*		3.0826*		5.0416*
Replicate F	0.594		1.032		0.680
Replicate Prob(F)	0.5626		0.3765		0.5190
Treatment F	39.802		37.779		40.493
Treatment Prob(F)	0.0001		0.0001		0.0001

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Pest Type	W Weed	W Weed	W Weed	W Weed					
Pest Code	AMBTR	AMBEL	CHEAL	ABUTH					
Pest Scientific Name	Ambrosia trifi>	Ambrosia artem>	Chenopodium al>	Abutilon theop>					
Pest Name	Giant ragweed	Common ragweed	Common lambsqu>	velvetleaf					
Crop Code									
BBCH Scale									
Crop Scientific Name									
Crop Name									
Rating Date	Jul-31-2014	Jul-31-2014	Jul-31-2014	Jul-31-2014					
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO					
Rating Unit	%	%	%	%					
Number of Subsamples	1	1	1	1					
SE Group No.	30	31	32	33					
Rating Timing									
Days After First/Last Applic.	96 56	96 56	96 56	96 56					
Trt-Eval Interval	56 DA-C	56 DA-C	56 DA-C	56 DA-C					
Plant-Eval Interval	96 DP-1	96 DP-1	96 DP-1	96 DP-1					
Days After Emergence	80 DE-1	80 DE-1	80 DE-1	80 DE-1					
ARM Action Codes	ET4								
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 Lexar EZ	2.08 lb ai/a	2.25 qt/a			A	92	100	100	100
1 Halex GT	1.97 lb ai/a	3.6 pt/a			C				
1 AAtrex	0.5 lb ai/a	1 pt/a			C				
1 NIS	0.25 % v/v	4.8 oz/a			C				
1 N PAK AMS	2.5 % v/v	1.5 qt/a			C				
2 Bicep II Magnum	2.06 lb ai/a	1.5 qt/a			A	90	100	100	100
2 Halex GT	1.97 lb ai/a	3.6 pt/a			C				
2 AAtrex	0.5 lb ai/a	1 pt/a			C				
2 NIS	0.25 % v/v	4.8 oz/a			C				
2 N PAK AMS	2.5 % v/v	1.5 qt/a			C				
3 Bicep II Magnum	2.06 lb ai/a	1.5 qt/a			A	78	100	100	100
3 Halex GT	1.97 lb ai/a	3.6 pt/a			C				
3 Clarity	0.25 lb ai/a	8 oz/a			C				
3 NIS	0.25 % v/v	4.8 oz/a			C				
3 N PAK AMS	2.5 % v/v	1.5 qt/a			C				
4 Bicep II Magnum	2.06 lb ai/a	1.5 qt/a			A	88	100	97	97
4 Callisto GT	1.04 lb ai/a	2 pt/a			C				
4 AAtrex	0.5 lb ai/a	1 pt/a			C				
4 NIS	0.25 % v/v	4.8 oz/a			C				
4 N PAK AMS	2.5 % v/v	1.5 qt/a			C				
5 Keystone NXT	3.68 lb ai/a	2.8 qt/a			A	7	53	87	87
5 Hornet WDG	0.171 lb ai/a	4 oz/a			A				
6 Surestart II	1.04 lb ai/a	2 pt/a			A	67	90	93	100
6 Durango DMA	0.75 lb ae/a	1.5 pt/a			C				
6 N PAK AMS	2.5 % v/v	1.5 qt/a			C				
7 Surestart II	1.04 lb ai/a	2 pt/a			B	50	72	88	100
7 Durango DMA	0.75 lb ae/a	1.5 pt/a			B				
7 N PAK AMS	2.5 % v/v	1.5 qt/a			B				
8 Bicep II Magnum	1.38 lb ai/a	1 qt/a			A	83	100	100	100
8 Yukon	0.169 lb ai/a	4 oz/a			C				
8 Roundup PowerMax	0.77 lb ae/a	22 oz/a			C				
8 NIS	0.25 % v/v	4.8 oz/a			C				
8 N PAK AMS	5 % v/v	3 qt/a			C				

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Pest Type	W Weed	W Weed	W Weed	W Weed				
Pest Code	AMBTR	AMBEL	CHEAL	ABUTH				
Pest Scientific Name	Ambrosia trifi>	Ambrosia artem>	Chenopodium al>	Abutilon theop>				
Pest Name	Giant ragweed	Common ragweed	Common lambsqu>	velvetleaf				
Crop Code								
BBCH Scale								
Crop Scientific Name								
Crop Name								
Rating Date	Jul-31-2014	Jul-31-2014	Jul-31-2014	Jul-31-2014				
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO				
Rating Unit	%	%	%	%				
Number of Subsamples	1	1	1	1				
SE Group No.	30	31	32	33				
Rating Timing								
Days After First/Last Applic.	96 56	96 56	96 56	96 56				
Trt-Eval Interval	56 DA-C	56 DA-C	56 DA-C	56 DA-C				
Plant-Eval Interval	96 DP-1	96 DP-1	96 DP-1	96 DP-1				
Days After Emergence	80 DE-1	80 DE-1	80 DE-1	80 DE-1				
ARM Action Codes	ET4							
Number of Decimals	0	0	0	0				
Trt Treatment	Rate	Other Rate	Other Rate	Appl Unit Code	29	30	31	32
9 Bicep II Magnum	2.06 lb ai/a	1.5 qt/a		A	75	100	100	100
9 Roundup PowerMax	1.13 lb ae/a	32 oz/a		C				
9 Status	0.0875 lb ai/a	2.5 oz/a		C				
9 N PAK AMS	2.5 % v/v	1.5 qt/a		C				
10 UTC					0	0	0	0
LSD (P=.05)					16.0	16.1	15.0	13.1
Standard Deviation					9.3	9.4	8.8	7.6
CV					14.78	11.49	10.13	8.63
Bartlett's X2					3.12	3.26	5.137	2.942
P(Bartlett's X2)					0.874	0.196	0.162	0.086
Skewness					-0.9843*	-1.6957*	-2.4744*	-2.5782*
Kurtosis					-0.3221	1.8025*	4.9049*	5.258*
Replicate F					3.115	2.309	0.228	0.745
Replicate Prob(F)					0.0689	0.1280	0.7984	0.4887
Treatment F					39.654	36.715	37.116	50.605
Treatment Prob(F)					0.0001	0.0001	0.0001	0.0001

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Trt Treatment No. Name	Rate	Unit	Other Rate	Other Rate	Appl Unit Code	33	34	35	36
1 Lexar EZ	2.08 lb ai/a		2.25 qt/a		A	100	100	100	94
1 Halex GT	1.97 lb ai/a		3.6 pt/a		C				
1 AAtrex	0.5 lb ai/a		1 pt/a		C				
1 NIS	0.25 % v/v		4.8 oz/a		C				
1 N PAK AMS	2.5 % v/v		1.5 qt/a		C				
2 Bicep II Magnum	2.06 lb ai/a		1.5 qt/a		A	100	98	100	95
2 Halex GT	1.97 lb ai/a		3.6 pt/a		C				
2 AAtrex	0.5 lb ai/a		1 pt/a		C				
2 NIS	0.25 % v/v		4.8 oz/a		C				
2 N PAK AMS	2.5 % v/v		1.5 qt/a		C				
3 Bicep II Magnum	2.06 lb ai/a		1.5 qt/a		A	100	91	99	83
3 Halex GT	1.97 lb ai/a		3.6 pt/a		C				
3 Clarity	0.25 lb ai/a		8 oz/a		C				
3 NIS	0.25 % v/v		4.8 oz/a		C				
3 N PAK AMS	2.5 % v/v		1.5 qt/a		C				
4 Bicep II Magnum	2.06 lb ai/a		1.5 qt/a		A	97	97	100	88
4 Callisto GT	1.04 lb ai/a		2 pt/a		C				
4 AAtrex	0.5 lb ai/a		1 pt/a		C				
4 NIS	0.25 % v/v		4.8 oz/a		C				
4 N PAK AMS	2.5 % v/v		1.5 qt/a		C				
5 Keystone NXT	3.68 lb ai/a		2.8 qt/a		A	87	53	93	43
5 Hornet WDG	0.171 lb ai/a		4 oz/a		A				
6 Surestart II	1.04 lb ai/a		2 pt/a		A	93	81	99	83
6 Durango DMA	0.75 lb ae/a		1.5 pt/a		C				
6 N PAK AMS	2.5 % v/v		1.5 qt/a		C				
7 Surestart II	1.04 lb ai/a		2 pt/a		B	100	66	100	70
7 Durango DMA	0.75 lb ae/a		1.5 pt/a		B				
7 N PAK AMS	2.5 % v/v		1.5 qt/a		B				
8 Bicep II Magnum	1.38 lb ai/a		1 qt/a		A	100	83	100	86
8 Yukon	0.169 lb ai/a		4 oz/a		C				
8 Roundup PowerMax	0.77 lb ae/a		22 oz/a		C				
8 NIS	0.25 % v/v		4.8 oz/a		C				
8 N PAK AMS	5 % v/v		3 qt/a		C				

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Pest Type	W Weed	W Weed	W Weed	W Weed
Pest Code	AMARE	SIDSP	POLPY	IPOHE
Pest Scientific Name	Amaranthus ret>	Sida spinosa	Persicaria pen>	Ipomoea heder>
Pest Name	Redroot pigweed	Prickly sida	Pennsylvania s>	Ivyleaf mornin>
Crop Code				
BBCH Scale				
Crop Scientific Name				
Crop Name				
Rating Date	Jul-31-2014	Jul-31-2014	Jul-31-2014	Jul-31-2014
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%
Number of Subsamples	1	1	1	1
SE Group No.	34	35	36	37
Rating Timing				
Days After First/Last Applic.	96 56	96 56	96 56	96 56
Trt-Eval Interval	56 DA-C	56 DA-C	56 DA-C	56 DA-C
Plant-Eval Interval	96 DP-1	96 DP-1	96 DP-1	96 DP-1
Days After Emergence	80 DE-1	80 DE-1	80 DE-1	80 DE-1
ARM Action Codes		AA	AA	
Number of Decimals	0	0	0	0
Trt Treatment				
No. Name	Rate	Unit	Other Rate	Other Rate
			Unit	Unit
			Code	
9 Bicep II Magnum	2.06 lb ai/a	1.5 qt/a	A	
9 Roundup PowerMax	1.13 lb ae/a	32 oz/a	C	
9 Status	0.0875 lb ai/a	2.5 oz/a	C	
9 N PAK AMS	2.5 % v/v	1.5 qt/a	C	
10 UTC	0	0	0	0
LSD (P=.05)	14.7	14.2t	17.0t	22.4
Standard Deviation	8.5	8.3t	9.9t	13.1
CV	9.74	13.49	12.76	18.05
Bartlett's X2	3.215	10.882	3.137	12.266
P(Bartlett's X2)	0.20	0.144	0.371	0.14
Skewness	-2.5227*	-1.2624*	-2.3201*	-1.454*
Kurtosis	5.0533*	1.6456	4.1669*	1.2499
Replicate F	0.594	3.090	2.014	2.029
Replicate Prob(F)	0.5626	0.0702	0.1624	0.1604
Treatment F	39.802	27.125	23.523	15.246
Treatment Prob(F)	0.0001	0.0001	0.0001	0.0001

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Pre Post Corn III Syngenta, Dow, Cheminova, Gowan,

Trial ID: 14PRPOC3 Location: Western Branch F-7 Trial Year: 2014
Protocol ID: 14PRPOC3 Investigator: Dr. Mark M. Loux
Project ID: Study Director: Anthony Dobbels
Sponsor Contact: Various

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
ABUTH, Abutilon theophrasti, = US
AMARE, Amaranthus retroflexus, = US
HIBTR, Hibiscus trionum, = US
POLPY, Persicaria pensylvanica, = US
IPOHE, Ipomoea hederacea, = US
SIDSP, Sida spinosa, = 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

38 DP-1 = 1 ZEAMX Apr-26-2014
54 DP-1 = 1 ZEAMX Apr-26-2014
68 DP-1 = 1 ZEAMX Apr-26-2014
96 DP-1 = 1 ZEAMX Apr-26-2014

ARM Action Codes

AA = Automatic arcsine square root % transformation