

Ohio State University Horticulture and Crop Science

PRE FB POST WEED CONTROL IN CORN I

Title No. 2: BASF, Cheminova, GOWAN, Valent
Trial ID: 11PRPOC1 Protocol ID: 11PRPOC1
Location: WESTERN BRANCH F-8 Study Director: Anthony F. Dobbels
Project ID: 11PRPOC1 Investigator: Dr. Mark M. Loux
Sponsor Contact:

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 °:** 39.86 N
State/Prov.: Ohio **Longitude of LL Corner °:** -83.66985 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:** ABUTH *Abutilon theophrasti*
Common Name: Velvetleaf
- Pest 6 Type:** W **Code:** POLPY *Persicaria pensylvanica*
Common Name: Pennsylvania smartweed
- Pest 7 Type:** W **Code:** IPOHE *Ipomoea hederacea*
Common Name: Ivyleaf morningglory
- Pest 8 Type:** W **Code:** HIBTR *Hibiscus trionum*
Common Name: Venice mallow
- Pest 9 Type:** W **Code:** ECHCG *Echinochloa crus-galli*
Common Name: Common barnyardgrass
- Pest10 Type:** W **Code:** ERICA *Conyza canadensis*
Common Name: Canada horseweed

Site and Design

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

Soil Description

Description Name: F-8 East
% OM: 2.8
pH: 6
CEC: 18
Texture: SICL silty clay loam
Soil Name: Kokomo
Fert. Level: G good
Soil Drainage: G good

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Application Description

	A	B	C
Application Date:	5/31/11	6/21/11	6/27/11
Time of Day:	11:15 A.M	11:45 A.M	8:45 A.M.
Application Method:	SPRAY	SPRAY	SPRAY
Application Timing:	PRE	EPO	POST
Application Placement:	BROSOI	BROFOL	BROFOL
Applied By:	Reeb		Dobbels
Air Temperature, Unit:	89.9 F	87 F	67.5 F
% Relative Humidity:	62.1	71	72.5
Wind Velocity, Unit:	3.8 MPH	5 MPH	1.9 MPH
Wind Direction:	SSW	WSW	SSW
Dew Presence (Y/N):	N no	N no	Y yes
Soil Temperature, Unit:	72 F	74 F	62 F
Soil Moisture:	GOOD	SLIWET	GOOD
% Cloud Cover:	2	40	75
Next Rain Occurred On:	6/3/11	6/21/11	6/27/11

Crop Stage At Each Application

	A	B	C
Crop 1 Code, BBCH Scale:	ZEAMX BCOR	ZEAMX BCOR	ZEAMX BCOR
Stage Scale Used:		BBCH	BBCH
Stage Majority, Percent:		15 100	16 100
Height, Unit:		11 IN	22 IN
Height Minimum, Maximum:		10 12	20 24

Pest Stage At Each Application

	A	B	C
Pest 1 Code, Type, Scale:	SETFA W	SETFA W	SETFA W
Stage Majority, Percent:		13 100	
Height, Unit:		3 IN	
Height Minimum, Maximum:		3 5	
Density, Unit:	64 M2	64 M2	64 M2
Pest 2 Code, Type, Scale:	AMBTR W	AMBTR W	AMBTR W
Stage Majority, Percent:		16 100	
Stage Minimum, Percent:			14
Stage Maximum, Percent:			19
Height, Unit:		6 IN	7 IN
Height Minimum, Maximum:		3 7	2 12
Density, Unit:	17.33 M2	17.33 M2	17.33 M2
Pest 3 Code, Type, Scale:	CHEAL W	CHEAL W	CHEAL W
Stage Majority, Percent:		14 100	
Height, Unit:		2 IN	
Height Minimum, Maximum:		1 2	
Density, Unit:	48 M2	48 M2	48 M2
Pest 4 Code, Type, Scale:	AMARE W	AMARE W	AMARE W
Stage Majority, Percent:		14 100	
Height, Unit:		3 IN	
Height Minimum, Maximum:		1 4	
Density, Unit:	10.66 M2	10.66 M2	10.66 M2
Pest 5 Code, Type, Scale:	ABUTH W	ABUTH W	ABUTH W
Stage Majority, Percent:		12 100	
Stage Minimum, Percent:			16 100
Height, Unit:		2 IN	6 IN
Height Minimum, Maximum:		1 2	6 8
Density, Unit:	9.33 M2	9.33 M2	9.33 M2
Pest 6 Code, Type, Scale:	POLPY W	POLPY W	POLPY W
Stage Majority, Percent:		12 100	
Height, Unit:		2 IN	
Height Minimum, Maximum:		1 2	
Pest 7 Code, Type, Scale:	IPOHE W	IPOHE W	IPOHE W
Density, Unit:	4 M2	4 M2	4 M2
Pest 8 Code, Type, Scale:	HIBTR W	HIBTR W	HIBTR W
Density, Unit:	4 M2	4 M2	4 M2
Pest 9 Code, Type, Scale:	ECHCG W	ECHCG W	ECHCG W
Density, Unit:	5.33 M2	5.33 M2	5.33 M2
Pest10 Code, Type, Scale:	ERICA W	ERICA W	ERICA W
Density, Unit:	1.33 M2	1.33 M2	1.33 M2

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Application Equipment

	A	B	C
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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 Location: WESTERN BRANCH F-8 Study Director: Anthony F. Dobbels
 Project ID: 11PRPOC1 Investigator: Dr. Mark M. Loux
 Sponsor Contact:

Pest Type	W Weed	W Weed	W Weed	W Weed	W Weed
Pest Code	SETFA	AMBTR	ABUTH	CHEAL	AMARE
Pest Scientific Name	Setaria faberi	Ambrosia trifi>	Abutilon theop>	Chenopodium al>	Amaranthus ret>
Pest Name	Giant foxtail	Giant ragweed	Velvetleaf	Common lambsqu>	Redroot pigweed
Crop Code	ZEAMX				
BBCH Scale	BCOR				
Crop Scientific Name	Zea mays				
Crop Name	Corn				
Rating Date	6/13/11	6/13/11	6/13/11	6/13/11	6/13/11
Rating Type	PHYNEC	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%	%
Number of Subsamples	1	1	1	1	1
Days After First/Last Applic.	13 13	13 13	13 13	13 13	13 13
Trt-Eval Interval	13 DA-A	13 DA-A	13 DA-A	13 DA-A	13 DA-A
Plant-Eval Interval	13 DP-1	13 DP-1	13 DP-1	13 DP-1	13 DP-1
Days After Emergence	7 DE-1	7 DE-1	7 DE-1	7 DE-1	7 DE-1
Number of Decimals	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	UTC				A	0	0	0	0	0	0
2	Verdict	5.57	18 oz/a		A	2	98	98	100	100	100
2	Roundup PowerMax	4.5	22 oz/a		C						
2	N-PAK AMS	100	3 qt/a		C						
3	Lexar	3.7	2.25 qt/a		A	0	97	83	100	100	100
3	Roundup PowerMax	4.5	22 oz/a		C						
3	N-PAK AMS	100	3 qt/a		C						
4	Corvus	2.63	3 oz/a		A	1	90	75	95	100	100
4	Atrazine	4	1 qt/a		A						
4	Roundup PowerMax	4.5	22 oz/a		C						
4	N-PAK AMS	100	3 qt/a		C						
5	Harness Extra 5.6	5.6	1.5 qt/a		A	0	100	83	98	100	100
5	Roundup PowerMax	4.5	22 oz/a		C						
5	N-PAK AMS	100	3 qt/a		C						
6	Sharpen	2.85	2 oz/a		A	1	95	99	100	100	100
6	Guardsman Max	5	4 pt/a		A						
7	Surestart	4.25	2 pt/a		A	0	100	63	80	100	100
7	Roundup PowerMax	4.5	22 oz/a		C						
7	N-PAK AMS	100	3 qt/a		C						
8	Harness Extra 5.6	5.6	1.5 qt/a		A	0	100	60	77	100	100
8	Yukon	67.5	4 oz/a		C						
8	Roundup PowerMax	4.5	22 oz/a		C						
8	NIS	100	2.4 oz/a		C						
8	N-PAK AMS	100	3 qt/a		C						
9	Solida	25	1 oz/a		B	0	0	0	0	0	0
9	Glyphos X-tra	3	32 oz/a		B						
10	Fierce	76	3 oz/a		A	9	100	94	100	100	100
11	Fierce	76	3 oz/a		A	10	100	98	100	100	100
11	Roundup PowerMax	4.5	22 oz/a		B						
11	N-PAK AMS	100	3 qt/a		B						
12	Fierce	76	3 oz/a		A	10	95	93	100	100	100
12	Roundup PowerMax	4.5	22 oz/a		B						
12	V-10206	85	1 oz/a		B						
12	N-PAK AMS	100	3 qt/a		B						

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Pest Type		W Weed	W Weed	W Weed	W Weed	W Weed
Pest Code		SETFA	AMBTR	ABUTH	CHEAL	AMARE
Pest Scientific Name		Setaria faberi	Ambrosia trifid	Abutilon theophrasti	Chenopodium album	Amaranthus retrofractus
Pest Name		Giant foxtail	Giant ragweed	Velvetleaf	Common lambsquarters	Redroot pigweed
Crop Code	ZEAMX					
BBCH Scale	BCOR					
Crop Scientific Name	Zea mays					
Crop Name	Corn					
Rating Date	6/13/11	6/13/11	6/13/11	6/13/11	6/13/11	6/13/11
Rating Type	PHYNEC	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%	%	%
Number of Subsamples	1	1	1	1	1	1
Days After First/Last Applic.	13 13	13 13	13 13	13 13	13 13	13 13
Trt-Eval Interval	13 DA-A	13 DA-A	13 DA-A	13 DA-A	13 DA-A	13 DA-A
Plant-Eval Interval	13 DP-1	13 DP-1	13 DP-1	13 DP-1	13 DP-1	13 DP-1
Days After Emergence	7 DE-1	7 DE-1	7 DE-1	7 DE-1	7 DE-1	7 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
13	Fierce	76	3 oz/a		A	10	100	82	100	100	100
13	Roundup PowerMax	4.5	22 oz/a		B						
13	V-10206	85	1.5 oz/a		B						
13	N-PAK AMS	100	3 qt/a		B						
14	Fierce	76	3 oz/a		A	10	99	98	100	100	100
14	Roundup PowerMax	4.5	22 oz/a		B						
14	V-10206	85	2 oz/a		B						
14	N-PAK AMS	100	3 qt/a		B						
15	Roundup PowerMax	4.5	22 oz/a		B	0	0	0	0	0	0
15	V-10206	85	1 oz/a		B						
15	N-PAK AMS	100	3 qt/a		B						
16	Roundup PowerMax	4.5	22 oz/a		B	0	0	0	0	0	0
16	V-10206	85	2 oz/a		B						
16	N-PAK AMS	100	3 qt/a		B						
	LSD (P=.05)					1.4	5.7	17.1	13.6	0.0	0.0
	Standard Deviation					0.8	3.4	10.3	8.1	0.0	0.0
	CV					24.73	4.66	15.97	11.32	0.0	0.0
	Bartlett's X2					0.41	7.142	26.49	6.884	0.0	0.0
	P(Bartlett's X2)					0.938	0.21	0.003*	0.076	.	.
	Replicate F					0.597	3.608	2.869	0.732	0.000	0.000
	Replicate Prob(F)					0.5566	0.0394	0.0724	0.4896	1.0000	1.0000
	Treatment F					94.516	492.346	45.794	85.527	0.000	0.000
	Treatment Prob(F)					0.0001	0.0001	0.0001	0.0001	1.0000	1.0000

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Pest Type	W Weed	W Weed	W Weed	W Weed	W Weed
Pest Code	SIDSP	IPHOE	SETFA	AMBTR	CHEAL
Pest Scientific Name	Sida spinosa	Ipomoea hederata	Setaria faberi	Ambrosia trifida	Chenopodium album
Pest Name	Prickly sida	Ivyleaf mornin	Giant foxtail	Giant ragweed	Common lambsqu
Crop Code			ZEAMX		
BBCH Scale			BCOR		
Crop Scientific Name			Zea mays		
Crop Name			Corn		
Rating Date	6/13/11	6/13/11	6/20/11	6/20/11	6/20/11
Rating Type	CONTRO	CONTRO	PHYNEC	CONTRO	CONTRO
Rating Unit	%	%	%	%	%
Number of Subsamples	1	1	1	1	1
Days After First/Last Applic.	13 13	13 13	20 20	20 20	20 20
Trt-Eval Interval	13 DA-A	13 DA-A	20 DA-A	20 DA-A	20 DA-A
Plant-Eval Interval	13 DP-1	13 DP-1	20 DP-1	20 DP-1	20 DP-1
Days After Emergence	7 DE-1	7 DE-1	14 DE-1	14 DE-1	14 DE-1
Number of Decimals	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	UTC					0	0	0	0	0	0
2	Verdict	5.57	18 oz/a		A	100	100	1	94	92	100
2	Roundup PowerMax	4.5	22 oz/a		C						
2	N-PAK AMS	100	3 qt/a		C						
3	Lexar	3.7	2.25 qt/a		A	100	78	0	93	73	100
3	Roundup PowerMax	4.5	22 oz/a		C						
3	N-PAK AMS	100	3 qt/a		C						
4	Corvus	2.63	3 oz/a		A	100	77	0	82	73	97
4	Atrazine	4	1 qt/a		A						
4	Roundup PowerMax	4.5	22 oz/a		C						
4	N-PAK AMS	100	3 qt/a		C						
5	Harness Extra 5.6	5.6	1.5 qt/a		A	100	93	0	99	63	97
5	Roundup PowerMax	4.5	22 oz/a		C						
5	N-PAK AMS	100	3 qt/a		C						
6	Sharpen	2.85	2 oz/a		A	100	100	0	99	98	99
6	Guardsman Max	5	4 pt/a		A						
7	Surestart	4.25	2 pt/a		A	100	93	0	93	43	97
7	Roundup PowerMax	4.5	22 oz/a		C						
7	N-PAK AMS	100	3 qt/a		C						
8	Harness Extra 5.6	5.6	1.5 qt/a		A	100	87	0	99	37	94
8	Yukon	67.5	4 oz/a		C						
8	Roundup PowerMax	4.5	22 oz/a		C						
8	NIS	100	2.4 oz/a		C						
8	N-PAK AMS	100	3 qt/a		C						
9	Solida	25	1 oz/a		B	0	0	0	0	0	0
9	Glyphos X-tra	3	32 oz/a		B						
10	Fierce	76	3 oz/a		A	100	87	4	95	62	99
11	Fierce	76	3 oz/a		A	100	100	4	92	60	100
11	Roundup PowerMax	4.5	22 oz/a		B						
11	N-PAK AMS	100	3 qt/a		B						
12	Fierce	76	3 oz/a		A	100	93	4	86	67	100
12	Roundup PowerMax	4.5	22 oz/a		B						
12	V-10206	85	1 oz/a		B						
12	N-PAK AMS	100	3 qt/a		B						

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Pest Type	W Weed	W Weed	W Weed	W Weed	W Weed	W Weed
Pest Code	AMARE	ABUTH	HIBTR	POLPY	SETFA	AMBTR
Pest Scientific Name	Amaranthus ret>	Abutilon theop>	Hibiscus trion>	Persicaria pen>	Setaria faberi	Ambrosia trifi>
Pest Name	Redroot pigweed	Velvetleaf	Venice mallow	Pennsylvania s>	Giant foxtail	Giant ragweed
Crop Code						
BBCH Scale						
Crop Scientific Name						
Crop Name						
Rating Date	6/20/11	6/20/11	6/20/11	6/20/11	6/27/11	6/27/11
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	20 20	20 20	27 6	27 6
Trt-Eval Interval	20 DA-A	20 DA-A	20 DA-A	20 DA-A	0 DA-C	0 DA-C
Plant-Eval Interval	20 DP-1	20 DP-1	20 DP-1	20 DP-1	27 DP-1	27 DP-1
Days After Emergence	14 DE-1	14 DE-1	14 DE-1	14 DE-1	21 DE-1	21 DE-1
Number of Decimals	0	0	0	0	0	0

Trt No.	Treatment Name	Form Conc	Other Rate	Other Rate	Appl Unit Code	13	14	15	16	17	18
1	UTC					0	0	0	0	0	0
2	Verdict	5.57	18 oz/a		A	100	97	100	99	88	93
2	Roundup PowerMax	4.5	22 oz/a		C						
2	N-PAK AMS	100	3 qt/a		C						
3	Lexar	3.7	2.25 qt/a		A	100	100	100	100	92	70
3	Roundup PowerMax	4.5	22 oz/a		C						
3	N-PAK AMS	100	3 qt/a		C						
4	Corvus	2.63	3 oz/a		A	100	100	100	100	82	70
4	Atrazine	4	1 qt/a		A						
4	Roundup PowerMax	4.5	22 oz/a		C						
4	N-PAK AMS	100	3 qt/a		C						
5	Harness Extra 5.6	5.6	1.5 qt/a		A	100	82	100	100	93	67
5	Roundup PowerMax	4.5	22 oz/a		C						
5	N-PAK AMS	100	3 qt/a		C						
6	Sharpen	2.85	2 oz/a		A	100	100	100	99	95	92
6	Guardsman Max	5	4 pt/a		A						
7	Surestart	4.25	2 pt/a		A	100	87	100	97	90	67
7	Roundup PowerMax	4.5	22 oz/a		C						
7	N-PAK AMS	100	3 qt/a		C						
8	Harness Extra 5.6	5.6	1.5 qt/a		A	100	80	97	100	92	53
8	Yukon	67.5	4 oz/a		C						
8	Roundup PowerMax	4.5	22 oz/a		C						
8	NIS	100	2.4 oz/a		C						
8	N-PAK AMS	100	3 qt/a		C						
9	Solida	25	1 oz/a		B	0	0	0	0	94	90
9	Glyphos X-tra	3	32 oz/a		B						
10	Fierce	76	3 oz/a		A	100	100	100	93	87	57
11	Fierce	76	3 oz/a		A	100	100	100	93	98	93
11	Roundup PowerMax	4.5	22 oz/a		B						
11	N-PAK AMS	100	3 qt/a		B						
12	Fierce	76	3 oz/a		A	100	100	100	97	97	93
12	Roundup PowerMax	4.5	22 oz/a		B						
12	V-10206	85	1 oz/a		B						
12	N-PAK AMS	100	3 qt/a		B						

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Pest Type	W Weed	W Weed	W Weed	W Weed	W Weed	W Weed
Pest Code	AMARE	ABUTH	HIBTR	POLPY	SETFA	AMBTR
Pest Scientific Name	Amaranthus ret->	Abutilon theop->	Hibiscus trion->	Persicaria pen->	Setaria faberi	Ambrosia trifi->
Pest Name	Redroot pigweed	Velvetleaf	Venice mallow	Pennsylvania s->	Giant foxtail	Giant ragweed
Crop Code						
BBCH Scale						
Crop Scientific Name						
Crop Name						
Rating Date	6/20/11	6/20/11	6/20/11	6/20/11	6/27/11	6/27/11
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	20 20	20 20	27 6	27 6
Trt-Eval Interval	20 DA-A	20 DA-A	20 DA-A	20 DA-A	0 DA-C	0 DA-C
Plant-Eval Interval	20 DP-1	20 DP-1	20 DP-1	20 DP-1	27 DP-1	27 DP-1
Days After Emergence	14 DE-1	14 DE-1	14 DE-1	14 DE-1	21 DE-1	21 DE-1
Number of Decimals	0	0	0	0	0	0

Trt	Treatment	Form	Other	Other	Appl	13	14	15	16	17	18
No.	Name	Conc	Rate	Rate	Unit Code						
13	Fierce	76	3 oz/a		A	100	100	100	100	100	92
13	Roundup PowerMax	4.5	22 oz/a		B						
13	V-10206	85	1.5 oz/a		B						
13	N-PAK AMS	100	3 qt/a		B						
14	Fierce	76	3 oz/a		A	100	100	100	90	100	97
14	Roundup PowerMax	4.5	22 oz/a		B						
14	V-10206	85	2 oz/a		B						
14	N-PAK AMS	100	3 qt/a		B						
15	Roundup PowerMax	4.5	22 oz/a		B	0	0	0	0	93	93
15	V-10206	85	1 oz/a		B						
15	N-PAK AMS	100	3 qt/a		B						
16	Roundup PowerMax	4.5	22 oz/a		B	0	0	0	0	95	90
16	V-10206	85	2 oz/a		B						
16	N-PAK AMS	100	3 qt/a		B						
LSD (P=.05)						0.0	12.0	2.4	9.9	8.3	14.4
Standard Deviation						0.0	7.2	1.4	6.0	5.0	8.6
CV						0.0	10.09	1.93	8.17	5.7	11.34
Bartlett's X2						0.0	5.307	0.0	13.702	8.727	18.535
P(Bartlett's X2)						.	0.151	.	0.033*	0.726	0.138
Replicate F						0.000	2.725	1.000	0.143	3.879	6.421
Replicate Prob(F)						1.0000	0.0818	0.3798	0.8674	0.0317	0.0048
Treatment F						0.000	107.252	2865.000	160.417	68.602	25.359
Treatment Prob(F)						1.0000	0.0001	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	CHEAL	AMARE	POLPY	SIDSP
Pest Scientific Name	Abutilon theop>	Chenopodium al>	Amaranthus ret>	Persicaria pen>	Sida spinosa
Pest Name	Velvetleaf	Common lambsqu>	Redroot pigweed	Pennsylvania s>	Prickly sida
Crop Code					
BBCH Scale					
Crop Scientific Name					
Crop Name					
Rating Date	6/27/11	6/27/11	6/27/11	6/27/11	6/27/11
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%	%
Number of Subsamples	1	1	1	1	1
Days After First/Last Applic.	27 6	27 6	27 6	27 6	27 6
Trt-Eval Interval	0 DA-C	0 DA-C	0 DA-C	0 DA-C	0 DA-C
Plant-Eval Interval	27 DP-1	27 DP-1	27 DP-1	27 DP-1	27 DP-1
Days After Emergence	21 DE-1	21 DE-1	21 DE-1	21 DE-1	21 DE-1
Number of Decimals	0	0	0	0	0

Trt No.	Treatment Name	Form Conc	Other Rate	Other Rate	Appl Unit Code	19	20	21	22	23
1	UTC					0	0	0	0	0
2	Verdict	5.57	18 oz/a		A	100	100	100	100	100
2	Roundup PowerMax	4.5	22 oz/a		C					
2	N-PAK AMS	100	3 qt/a		C					
3	Lexar	3.7	2.25 qt/a		A	100	100	100	100	100
3	Roundup PowerMax	4.5	22 oz/a		C					
3	N-PAK AMS	100	3 qt/a		C					
4	Corvus	2.63	3 oz/a		A	100	92	100	100	100
4	Atrazine	4	1 qt/a		A					
4	Roundup PowerMax	4.5	22 oz/a		C					
4	N-PAK AMS	100	3 qt/a		C					
5	Harness Extra 5.6	5.6	1.5 qt/a		A	67	73	100	100	100
5	Roundup PowerMax	4.5	22 oz/a		C					
5	N-PAK AMS	100	3 qt/a		C					
6	Sharpen	2.85	2 oz/a		A	100	92	100	87	100
6	Guardsman Max	5	4 pt/a		A					
7	Surestart	4.25	2 pt/a		A	70	93	100	100	100
7	Roundup PowerMax	4.5	22 oz/a		C					
7	N-PAK AMS	100	3 qt/a		C					
8	Harness Extra 5.6	5.6	1.5 qt/a		A	70	67	100	100	93
8	Yukon	67.5	4 oz/a		C					
8	Roundup PowerMax	4.5	22 oz/a		C					
8	NIS	100	2.4 oz/a		C					
8	N-PAK AMS	100	3 qt/a		C					
9	Solida	25	1 oz/a		B	100	98	100	83	100
9	Glyphos X-tra	3	32 oz/a		B					
10	Fierce	76	3 oz/a		A	93	70	100	67	100
11	Fierce	76	3 oz/a		A	100	100	100	95	100
11	Roundup PowerMax	4.5	22 oz/a		B					
11	N-PAK AMS	100	3 qt/a		B					
12	Fierce	76	3 oz/a		A	100	99	100	87	100
12	Roundup PowerMax	4.5	22 oz/a		B					
12	V-10206	85	1 oz/a		B					
12	N-PAK AMS	100	3 qt/a		B					

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Pest Type	W Weed	W Weed	W Weed	W Weed	W Weed
Pest Code	ABUTH	CHEAL	AMARE	POLPY	SIDSP
Pest Scientific Name	Abutilon theop>	Chenopodium al>	Amaranthus ret>	Persicaria pen>	Sida spinosa
Pest Name	Velvetleaf	Common lambsqu>	Redroot pigweed	Pennsylvania s>	Prickly sida
Crop Code					
BCH Scale					
Crop Scientific Name					
Crop Name					
Rating Date	6/27/11	6/27/11	6/27/11	6/27/11	6/27/11
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%	%
Number of Subsamples	1	1	1	1	1
Days After First/Last Applic.	27 6	27 6	27 6	27 6	27 6
Trt-Eval Interval	0 DA-C	0 DA-C	0 DA-C	0 DA-C	0 DA-C
Plant-Eval Interval	27 DP-1	27 DP-1	27 DP-1	27 DP-1	27 DP-1
Days After Emergence	21 DE-1	21 DE-1	21 DE-1	21 DE-1	21 DE-1
Number of Decimals	0	0	0	0	0

Trt Treatment No. Name	Form Conc	Other Rate	Other Rate	Appl Unit Code	19	20	21	22	23
13 Fierce	76	3 oz/a		A	100	100	100	87	100
13 Roundup PowerMax	4.5	22 oz/a		B					
13 V-10206	85	1.5 oz/a		B					
13 N-PAK AMS	100	3 qt/a		B					
14 Fierce	76	3 oz/a		A	100	100	100	87	100
14 Roundup PowerMax	4.5	22 oz/a		B					
14 V-10206	85	2 oz/a		B					
14 N-PAK AMS	100	3 qt/a		B					
15 Roundup PowerMax	4.5	22 oz/a		B	100	97	100	100	100
15 V-10206	85	1 oz/a		B					
15 N-PAK AMS	100	3 qt/a		B					
16 Roundup PowerMax	4.5	22 oz/a		B	100	99	100	100	100
16 V-10206	85	2 oz/a		B					
16 N-PAK AMS	100	3 qt/a		B					
LSD (P=.05)					15.8	13.8	0.0	22.2	4.9
Standard Deviation					9.5	8.3	0.0	13.3	2.9
CV					10.83	9.61	0.0	15.25	3.15
Bartlett's X2					1.938	18.641	0.0	3.84	0.0
P(Bartlett's X2)					0.585	0.028*	.	0.698	.
Replicate F					0.209	1.908	0.000	0.269	0.967
Replicate Prob(F)					0.8128	0.1659	1.0000	0.7659	0.3923
Treatment F					23.270	28.849	0.000	10.693	216.533
Treatment Prob(F)					0.0001	0.0001	1.0000	0.0001	0.0001

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Pest Type	W Weed	W Weed	W Weed	W Weed	W Weed
Pest Code	HIBTR	IPOHE	SETFA	AMBTR	ABUTH
Pest Scientific Name	Hibiscus trion>	Ipomoea hederata>	Setaria faberi	Ambrosia trifida>	Abutilon theophrasti>
Pest Name	Venice mallow	Ivyleaf mornin>	Giant foxtail	Giant ragweed	Velvetleaf
Crop Code			ZEAMX		
BBCH Scale			BCOR		
Crop Scientific Name			Zea mays		
Crop Name			Corn		
Rating Date	6/27/11	6/27/11	7/5/11	7/5/11	7/5/11
Rating Type	CONTRO	CONTRO	PHYGEN	CONTRO	CONTRO
Rating Unit	%	%	%	%	%
Number of Subsamples	1	1	1	1	1
Days After First/Last Applic.	27 6	27 6	35 8	35 8	35 8
Trt-Eval Interval	0 DA-C	0 DA-C	8 DA-C	14 DA-B	14 DA-B
Plant-Eval Interval	27 DP-1	27 DP-1	35 DP-1	35 DP-1	35 DP-1
Days After Emergence	21 DE-1	21 DE-1	29 DE-1	29 DE-1	29 DE-1
Number of Decimals	0	0	0	0	0

Trt No.	Treatment Name	Form Conc	Other Rate	Other Rate	Appl Unit Code	24	25	26	27	28	29
1	UTC					0	0	0	0	0	0
2	Verdict	5.57	18 oz/a		A	100	100	0	100	100	100
2	Roundup PowerMax	4.5	22 oz/a		C						
2	N-PAK AMS	100	3 qt/a		C						
3	Lexar	3.7	2.25 qt/a		A	97	58	0	100	96	100
3	Roundup PowerMax	4.5	22 oz/a		C						
3	N-PAK AMS	100	3 qt/a		C						
4	Corvus	2.63	3 oz/a		A	100	48	0	100	93	100
4	Atrazine	4	1 qt/a		A						
4	Roundup PowerMax	4.5	22 oz/a		C						
4	N-PAK AMS	100	3 qt/a		C						
5	Harness Extra 5.6	5.6	1.5 qt/a		A	87	30	0	100	94	99
5	Roundup PowerMax	4.5	22 oz/a		C						
5	N-PAK AMS	100	3 qt/a		C						
6	Sharpen	2.85	2 oz/a		A	100	78	0	100	100	100
6	Guardsman Max	5	4 pt/a		A						
7	Surestart	4.25	2 pt/a		A	100	37	0	100	81	98
7	Roundup PowerMax	4.5	22 oz/a		C						
7	N-PAK AMS	100	3 qt/a		C						
8	Harness Extra 5.6	5.6	1.5 qt/a		A	87	70	0	100	92	100
8	Yukon	67.5	4 oz/a		C						
8	Roundup PowerMax	4.5	22 oz/a		C						
8	NIS	100	2.4 oz/a		C						
8	N-PAK AMS	100	3 qt/a		C						
9	Solida	25	1 oz/a		B	100	82	0	99	96	100
9	Glyphos X-tra	3	32 oz/a		B						
10	Fierce	76	3 oz/a		A	100	37	0	77	33	100
11	Fierce	76	3 oz/a		A	100	95	0	100	93	100
11	Roundup PowerMax	4.5	22 oz/a		B						
11	N-PAK AMS	100	3 qt/a		B						
12	Fierce	76	3 oz/a		A	100	90	0	100	99	100
12	Roundup PowerMax	4.5	22 oz/a		B						
12	V-10206	85	1 oz/a		B						
12	N-PAK AMS	100	3 qt/a		B						

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Pest Type	W Weed	W Weed	W Weed	W Weed	W Weed
Pest Code	HIBTR	IPOHE	SETFA	AMBTR	ABUTH
Pest Scientific Name	Hibiscus trion>	Ipomoea heder>	Setaria faberi	Ambrosia trifi>	Abutilon theop>
Pest Name	Venice mallow	Ivyleaf mornin>	Giant foxtail	Giant ragweed	Velvetleaf
Crop Code			ZEAMX		
BBCH Scale			BCOR		
Crop Scientific Name			Zea mays		
Crop Name			Corn		
Rating Date	6/27/11	6/27/11	7/5/11	7/5/11	7/5/11
Rating Type	CONTRO	CONTRO	PHYGEN	CONTRO	CONTRO
Rating Unit	%	%	%	%	%
Number of Subsamples	1	1	1	1	1
Days After First/Last Applic.	27 6	27 6	35 8	35 8	35 8
Trt-Eval Interval	0 DA-C	0 DA-C	8 DA-C	14 DA-B	14 DA-B
Plant-Eval Interval	27 DP-1	27 DP-1	35 DP-1	35 DP-1	35 DP-1
Days After Emergence	21 DE-1	21 DE-1	29 DE-1	29 DE-1	29 DE-1
Number of Decimals	0	0	0	0	0

Trt	Treatment No. Name	Form Conc	Other Rate	Other Rate	Appl Unit Code	24	25	26	27	28	29	
	13 Fierce	76	3 oz/a		A	100		82	0	100	95	100
	13 Roundup PowerMax	4.5	22 oz/a		B							
	13 V-10206	85	1.5 oz/a		B							
	13 N-PAK AMS	100	3 qt/a		B							
	14 Fierce	76	3 oz/a		A	100		98	0	100	98	100
	14 Roundup PowerMax	4.5	22 oz/a		B							
	14 V-10206	85	2 oz/a		B							
	14 N-PAK AMS	100	3 qt/a		B							
	15 Roundup PowerMax	4.5	22 oz/a		B	100		87	0	100	89	100
	15 V-10206	85	1 oz/a		B							
	15 N-PAK AMS	100	3 qt/a		B							
	16 Roundup PowerMax	4.5	22 oz/a		B	100		80	0	100	91	100
	16 V-10206	85	2 oz/a		B							
	16 N-PAK AMS	100	3 qt/a		B							
	LSD (P=.05)					13.4	29.6	0.0	2.5	9.8	1.4	
	Standard Deviation					8.0	17.6	0.0	1.5	5.9	0.9	
	CV					8.72	26.31	0.0	1.61	7.0	0.91	
	Bartlett's X2					3.208	14.687	0.0	3.763	16.325	0.493	
	P(Bartlett's X2)					0.201	0.144	.	0.052	0.13	0.483	
	Replicate F					2.628	4.276	0.000	0.797	3.013	0.543	
	Replicate Prob(F)					0.0894	0.0253	1.0000	0.4598	0.0642	0.5867	
	Treatment F					28.994	8.126	0.000	873.468	65.255	2563.200	
	Treatment Prob(F)					0.0001	0.0001	1.0000	0.0001	0.0001	0.0001	

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Pest Type	W Weed	W Weed	W Weed	W Weed	W Weed
Pest Code	CHEAL	AMARE	SIDSP	IPHOE	SETFA
Pest Scientific Name	Chenopodium al>	Amaranthus ret>	Sida spinosa	Ipomoea hederata>	Setaria faberi
Pest Name	Common lambsqu>	Redroot pigweed	Prickly sida	Ivyleaf mornin>	Giant foxtail
Crop Code					ZEAMX
BBCH Scale					BCOR
Crop Scientific Name					Zea mays
Crop Name					Corn
Rating Date	7/5/11	7/5/11	7/5/11	7/5/11	7/18/11
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO	PHYGEN
Rating Unit	%	%	%	%	%
Number of Subsamples	1	1	1	1	1
Days After First/Last Applic.	35 8	35 8	35 8	35 8	48 21
Trt-Eval Interval	14 DA-B	14 DA-B	14 DA-B	14 DA-B	27 DA-B
Plant-Eval Interval	35 DP-1	35 DP-1	35 DP-1	35 DP-1	48 DP-1
Days After Emergence	29 DE-1	29 DE-1	29 DE-1	29 DE-1	42 DE-1
Number of Decimals	0	0	0	0	0

Trt No.	Treatment Name	Form Conc	Other Rate	Other Rate	Appl Unit Code	30	31	32	33	34	35
1	UTC					0	0	0	0	0	0
2	Verdict	5.57	18 oz/a		A	100	100	100	100	0	100
2	Roundup PowerMax	4.5	22 oz/a		C						
2	N-PAK AMS	100	3 qt/a		C						
3	Lexar	3.7	2.25 qt/a		A	100	100	100	100	0	100
3	Roundup PowerMax	4.5	22 oz/a		C						
3	N-PAK AMS	100	3 qt/a		C						
4	Corvus	2.63	3 oz/a		A	100	100	100	100	0	100
4	Atrazine	4	1 qt/a		A						
4	Roundup PowerMax	4.5	22 oz/a		C						
4	N-PAK AMS	100	3 qt/a		C						
5	Harness Extra 5.6	5.6	1.5 qt/a		A	99	100	100	92	0	100
5	Roundup PowerMax	4.5	22 oz/a		C						
5	N-PAK AMS	100	3 qt/a		C						
6	Sharpen	2.85	2 oz/a		A	100	100	100	100	0	100
6	Guardsman Max	5	4 pt/a		A						
7	Surestart	4.25	2 pt/a		A	100	100	100	97	0	100
7	Roundup PowerMax	4.5	22 oz/a		C						
7	N-PAK AMS	100	3 qt/a		C						
8	Harness Extra 5.6	5.6	1.5 qt/a		A	100	100	100	100	0	100
8	Yukon	67.5	4 oz/a		C						
8	Roundup PowerMax	4.5	22 oz/a		C						
8	NIS	100	2.4 oz/a		C						
8	N-PAK AMS	100	3 qt/a		C						
9	Solida	25	1 oz/a		B	99	100	100	97	0	100
9	Glyphos X-tra	3	32 oz/a		B						
10	Fierce	76	3 oz/a		A	96	100	100	53	0	83
11	Fierce	76	3 oz/a		A	100	100	100	98	0	100
11	Roundup PowerMax	4.5	22 oz/a		B						
11	N-PAK AMS	100	3 qt/a		B						
12	Fierce	76	3 oz/a		A	100	100	100	100	0	100
12	Roundup PowerMax	4.5	22 oz/a		B						
12	V-10206	85	1 oz/a		B						
12	N-PAK AMS	100	3 qt/a		B						

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Pest Type	W Weed	W Weed	W Weed	W Weed	W Weed
Pest Code	CHEAL	AMARE	SIDSP	IPOHE	SETFA
Pest Scientific Name	Chenopodium al-	Amaranthus ret-	Sida spinosa	Ipomoea heder-a>	Setaria faberi
Pest Name	Common lambsqu-	Redroot pigweed	Prickly sida	Ivyleaf mornin->	Giant foxtail
Crop Code					ZEAMX
BBCH Scale					BCOR
Crop Scientific Name					Zea mays
Crop Name					Corn
Rating Date	7/5/11	7/5/11	7/5/11	7/5/11	7/18/11
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO	PHYGEN
Rating Unit	%	%	%	%	%
Number of Subsamples	1	1	1	1	1
Days After First/Last Applic.	35 8	35 8	35 8	35 8	48 21
Trt-Eval Interval	14 DA-B	14 DA-B	14 DA-B	14 DA-B	27 DA-B
Plant-Eval Interval	35 DP-1	35 DP-1	35 DP-1	35 DP-1	48 DP-1
Days After Emergence	29 DE-1	29 DE-1	29 DE-1	29 DE-1	42 DE-1
Number of Decimals	0	0	0	0	0

Trt No.	Treatment Name	Form Conc	Other Rate	Other Rate	Appl Unit Code	30	31	32	33	34	35	
13	Fierce	76	3 oz/a		A	100		100		96	0	100
	13 Roundup PowerMax	4.5	22 oz/a		B							
	13 V-10206	85	1.5 oz/a		B							
	13 N-PAK AMS	100	3 qt/a		B							
14	Fierce	76	3 oz/a		A	100		100		100	0	100
	14 Roundup PowerMax	4.5	22 oz/a		B							
	14 V-10206	85	2 oz/a		B							
	14 N-PAK AMS	100	3 qt/a		B							
15	Roundup PowerMax	4.5	22 oz/a		B	97		100		98	0	100
	15 V-10206	85	1 oz/a		B							
	15 N-PAK AMS	100	3 qt/a		B							
16	Roundup PowerMax	4.5	22 oz/a		B	99		100		92	0	99
	16 V-10206	85	2 oz/a		B							
	16 N-PAK AMS	100	3 qt/a		B							
	LSD (P=.05)					2.7	0.0	0.0	15.5	0.0		2.4
	Standard Deviation					1.6	0.0	0.0	9.3	0.0		1.5
	CV					1.74	0.0	0.0	10.47	0.0		1.58
	Bartlett's X2					8.309	0.0	0.0	20.355	0.0		3.763
	P(Bartlett's X2)					0.081	.	.	0.005*	.		0.052
	Replicate F					1.059	0.000	0.000	2.744	0.000		1.208
	Replicate Prob(F)					0.3593	1.0000	1.0000	0.0805	1.0000		0.3130
	Treatment F					709.026	0.000	0.000	23.974	0.000		880.623
	Treatment Prob(F)					0.0001	1.0000	1.0000	0.0001	1.0000		0.0001

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Pest Type	W Weed	W Weed	W Weed	W Weed	W Weed
Pest Code	AMBTR	ABUTH	CHEAL	AMARE	SIDSP
Pest Scientific Name	Ambrosia trifi>	Abutilon theop>	Chenopodium al>	Amaranthus ret>	Sida spinosa
Pest Name	Giant ragweed	Velvetleaf	Common lambsqu>	Redroot pigweed	Prickly sida
Crop Code					
BBCH Scale					
Crop Scientific Name					
Crop Name					
Rating Date	7/18/11	7/18/11	7/18/11	7/18/11	7/18/11
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%	%
Number of Subsamples	1	1	1	1	1
Days After First/Last Applic.	48 21	48 21	48 21	48 21	48 21
Trt-Eval Interval	27 DA-B	27 DA-B	27 DA-B	27 DA-B	27 DA-B
Plant-Eval Interval	48 DP-1	48 DP-1	48 DP-1	48 DP-1	48 DP-1
Days After Emergence	42 DE-1	42 DE-1	42 DE-1	42 DE-1	42 DE-1
Number of Decimals	0	0	0	0	0

Trt No.	Treatment Name	Form Conc	Other Rate	Other Rate	Appl Unit Code	36	37	38	39	40
1	UTC					0	0	0	0	0
2	Verdict	5.57	18 oz/a		A	100	100	100	100	100
2	Roundup PowerMax	4.5	22 oz/a		C					
2	N-PAK AMS	100	3 qt/a		C					
3	Lexar	3.7	2.25 qt/a		A	99	100	100	100	100
3	Roundup PowerMax	4.5	22 oz/a		C					
3	N-PAK AMS	100	3 qt/a		C					
4	Corvus	2.63	3 oz/a		A	97	100	100	100	100
4	Atrazine	4	1 qt/a		A					
4	Roundup PowerMax	4.5	22 oz/a		C					
4	N-PAK AMS	100	3 qt/a		C					
5	Harness Extra 5.6	5.6	1.5 qt/a		A	92	100	100	100	100
5	Roundup PowerMax	4.5	22 oz/a		C					
5	N-PAK AMS	100	3 qt/a		C					
6	Sharpen	2.85	2 oz/a		A	100	100	100	100	100
6	Guardsman Max	5	4 pt/a		A					
7	Surestart	4.25	2 pt/a		A	95	100	100	100	100
7	Roundup PowerMax	4.5	22 oz/a		C					
7	N-PAK AMS	100	3 qt/a		C					
8	Harness Extra 5.6	5.6	1.5 qt/a		A	99	100	100	100	100
8	Yukon	67.5	4 oz/a		C					
8	Roundup PowerMax	4.5	22 oz/a		C					
8	NIS	100	2.4 oz/a		C					
8	N-PAK AMS	100	3 qt/a		C					
9	Solida	25	1 oz/a		B	97	100	100	100	100
9	Glyphos X-tra	3	32 oz/a		B					
10	Fierce	76	3 oz/a		A	30	100	97	100	100
11	Fierce	76	3 oz/a		A	93	100	100	100	100
11	Roundup PowerMax	4.5	22 oz/a		B					
11	N-PAK AMS	100	3 qt/a		B					
12	Fierce	76	3 oz/a		A	99	100	100	100	100
12	Roundup PowerMax	4.5	22 oz/a		B					
12	V-10206	85	1 oz/a		B					
12	N-PAK AMS	100	3 qt/a		B					

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Pest Type	W Weed	W Weed	W Weed	W Weed	W Weed
Pest Code	AMBTR	ABUTH	CHEAL	AMARE	SIDSP
Pest Scientific Name	Ambrosia trifi>	Abutilon theop>	Chenopodium al>	Amaranthus ret>	Sida spinosa
Pest Name	Giant ragweed	Velvetleaf	Common lambsqu>	Redroot pigweed	Prickly sida
Crop Code					
BBCH Scale					
Crop Scientific Name					
Crop Name					
Rating Date	7/18/11	7/18/11	7/18/11	7/18/11	7/18/11
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%	%
Number of Subsamples	1	1	1	1	1
Days After First/Last Applic.	48 21	48 21	48 21	48 21	48 21
Trt-Eval Interval	27 DA-B	27 DA-B	27 DA-B	27 DA-B	27 DA-B
Plant-Eval Interval	48 DP-1	48 DP-1	48 DP-1	48 DP-1	48 DP-1
Days After Emergence	42 DE-1	42 DE-1	42 DE-1	42 DE-1	42 DE-1
Number of Decimals	0	0	0	0	0

Trt	Treatment	Form	Other	Other	Appl						
No.	Name	Conc	Rate	Rate	Unit	Code	36	37	38	39	40
13	Fierce	76	3 oz/a		A		96	100	100	100	100
	13 Roundup PowerMax	4.5	22 oz/a		B						
	13 V-10206	85	1.5 oz/a		B						
	13 N-PAK AMS	100	3 qt/a		B						
14	Fierce	76	3 oz/a		A		100	100	100	100	100
	14 Roundup PowerMax	4.5	22 oz/a		B						
	14 V-10206	85	2 oz/a		B						
	14 N-PAK AMS	100	3 qt/a		B						
15	Roundup PowerMax	4.5	22 oz/a		B		90	100	100	100	100
	15 V-10206	85	1 oz/a		B						
	15 N-PAK AMS	100	3 qt/a		B						
16	Roundup PowerMax	4.5	22 oz/a		B		93	100	100	100	100
	16 V-10206	85	2 oz/a		B						
	16 N-PAK AMS	100	3 qt/a		B						
	LSD (P=.05)						9.9	0.0	2.4	0.0	0.0
	Standard Deviation						5.9	0.0	1.4	0.0	0.0
	CV						6.86	0.0	1.54	0.0	0.0
	Bartlett's X2						23.459	0.0	0.0	0.0	0.0
	P(Bartlett's X2)						0.009*
	Replicate F						1.253	0.000	1.000	0.000	0.000
	Replicate Prob(F)						0.3001	1.0000	0.3798	1.0000	1.0000
	Treatment F						69.688	0.000	897.000	0.000	0.000
	Treatment Prob(F)						0.0001	1.0000	0.0001	1.0000	1.0000

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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	7/18/11
Rating Type	CONTRO
Rating Unit	%
Number of Subsamples	1
Days After First/Last Applic.	48 21
Trt-Eval Interval	27 DA-B
Plant-Eval Interval	48 DP-1
Days After Emergence	42 DE-1
Number of Decimals	0

Trt No.	Treatment Name	Form Conc	Other Rate	Other Rate	Appl Unit Code	41
1	UTC					0
2	Verdict	5.57	18 oz/a		A	100
2	Roundup PowerMax	4.5	22 oz/a		C	
2	N-PAK AMS	100	3 qt/a		C	
3	Lexar	3.7	2.25 qt/a		A	100
3	Roundup PowerMax	4.5	22 oz/a		C	
3	N-PAK AMS	100	3 qt/a		C	
4	Corvus	2.63	3 oz/a		A	100
4	Atrazine	4	1 qt/a		A	
4	Roundup PowerMax	4.5	22 oz/a		C	
4	N-PAK AMS	100	3 qt/a		C	
5	Harness Extra 5.6	5.6	1.5 qt/a		A	100
5	Roundup PowerMax	4.5	22 oz/a		C	
5	N-PAK AMS	100	3 qt/a		C	
6	Sharpen	2.85	2 oz/a		A	100
6	Guardsman Max	5	4 pt/a		A	
7	Surestart	4.25	2 pt/a		A	100
7	Roundup PowerMax	4.5	22 oz/a		C	
7	N-PAK AMS	100	3 qt/a		C	
8	Harness Extra 5.6	5.6	1.5 qt/a		A	100
8	Yukon	67.5	4 oz/a		C	
8	Roundup PowerMax	4.5	22 oz/a		C	
8	NIS	100	2.4 oz/a		C	
8	N-PAK AMS	100	3 qt/a		C	
9	Solida	25	1 oz/a		B	97
9	Glyfos X-tra	3	32 oz/a		B	
10	Fierce	76	3 oz/a		A	53
11	Fierce	76	3 oz/a		A	97
11	Roundup PowerMax	4.5	22 oz/a		B	
11	N-PAK AMS	100	3 qt/a		B	
12	Fierce	76	3 oz/a		A	100
12	Roundup PowerMax	4.5	22 oz/a		B	
12	V-10206	85	1 oz/a		B	
12	N-PAK AMS	100	3 qt/a		B	

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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 7/18/11
 Rating Type CONTRO
 Rating Unit %
 Number of Subsamples 1
 Days After First/Last Applic. 48 21
 Trt-Eval Interval 27 DA-B
 Plant-Eval Interval 48 DP-1
 Days After Emergence 42 DE-1
 Number of Decimals 0

Trt No.	Treatment Name	Form Conc	Other Rate	Other Rate Unit	Appl Code	
						41
13	Fierce	76	3 oz/a		A	100
13	Roundup PowerMax	4.5	22 oz/a		B	
13	V-10206	85	1.5 oz/a		B	
13	N-PAK AMS	100	3 qt/a		B	
14	Fierce	76	3 oz/a		A	100
14	Roundup PowerMax	4.5	22 oz/a		B	
14	V-10206	85	2 oz/a		B	
14	N-PAK AMS	100	3 qt/a		B	
15	Roundup PowerMax	4.5	22 oz/a		B	100
15	V-10206	85	1 oz/a		B	
15	N-PAK AMS	100	3 qt/a		B	
16	Roundup PowerMax	4.5	22 oz/a		B	98
16	V-10206	85	2 oz/a		B	
16	N-PAK AMS	100	3 qt/a		B	
	LSD (P=.05)					4.2
	Standard Deviation					2.5
	CV					2.82
	Bartlett's X2					1.07
	P(Bartlett's X2)					0.784
	Replicate F					1.684
	Replicate Prob(F)					0.2026
	Treatment F					329.620
	Treatment Prob(F)					0.0001

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PRE FB POST WEED CONTROL IN CORN I

Title No. 2: BASF, Cheminova, GOWAN, Valent

Trial ID: 11PRPOC1 Protocol ID: 11PRPOC1

Location: WESTERN BRANCH F-8 Study Director: Anthony F. Dobbels

Project ID: 11PRPOC1 Investigator: Dr. Mark M. Loux

Sponsor Contact:

Pest Type

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

Pest Code

SETFA, *Setaria faberi*, = US

AMBTR, *Ambrosia trifida*, = US

ABUTH, *Abutilon theophrasti*, = US

CHEAL, *Chenopodium album*, = US

AMARE, *Amaranthus retroflexus*, = US

SIDSP, *Sida spinosa*, = US

IPOHE, *Ipomoea hederacea*, = US

HIBTR, *Hibiscus trionum*, = US

POLPY, *Persicaria pensylvanica*, = US

Crop Code

ZEAMX, BCOR, *Zea mays*, = US

Rating Type

PHYNEC = phytotoxicity - necrosis /burn

CONTRO = control / burndown or knockdown

PHYGEN = phytotoxicity - general / injury

Rating Unit

% = percent

Plant-Eval Interval

13 DP-1 = 1 5/31/11

20 DP-1 = 1 5/31/11

27 DP-1 = 1 5/31/11

35 DP-1 = 1 5/31/11

48 DP-1 = 1 5/31/11