

# Ohio State University Horticulture and Crop Science

## Bayer Crop Science Two Pass Weed Control Systems

Title No. 2:  
 Trial ID: 11BYR2PW                      Protocol ID: 11BYR2PW  
 Location: WESTERN BRANCH F-8        Study Director: Anthony F. Dobbels  
 Project ID: HP11NARBLJ                Investigator: Dr. Mark M. Loux  
    Sponsor Contact: Dave Lamore, Bayer CropScience

### 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 °:** 39.86009 N  
**State/Prov.:** Ohio            **Longitude of LL Corner °:** -83.67044 W  
**Postal Code:** 45368  
**Country:** USA

### Crop Description

**Crop 1:** ZEAMX Zea mays                      Corn  
**Variety:** Seed Consultants SC10HQ70  
**BBCH Scale:** BCOR                              **Description:** RR/LL  
**Planting Method:** SEEDED                  seeded    **Planting Date:** 5/31/11  
**Depth, Unit:** 2                                  IN    **Rate, Unit:** 32097 S/A  
**Row Spacing, Unit:** 30                        IN  
**Seed Bed:** MEDIUM                          medium    **Soil Temperature, Unit:** 72            F  
**Soil Moisture:** SLIWET                      slightly wet                                        **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:** SIDSP Sida spinosa  
**Common Name:** Prickly sida
- Pest 7 Type:** W    **Code:** POLPY Persicaria pensylvanica  
**Common Name:** Pennsylvania smartweed
- Pest 8 Type:** W    **Code:** IPOHE Ipomoea hederacea  
**Common Name:** Ivyleaf morningglory
- Pest 9 Type:** W    **Code:** ECHCG Echinochloa crus-galli  
**Common Name:** Common barnyardgrass
- Pest10 Type:** W    **Code:** SOLPT Solanum ptycanthum  
**Common Name:** Eastern black nightshade

### Site and Design

**Plot Width, Unit:** 6.67 FT                      **Site Type:** FIELD    field  
**Plot Length, Unit:** 30 FT                      **Experimental Unit:** 1                      PLOT plot  
**Plot Area, Unit:** 200.1 FT<sup>2</sup>                      **Tillage Type:** CONTIL    conventional-till  
**Replications:** 3                                      **Study Design:** RACOB    Randomized Complete Block (RCB)  
**Untreated Arrangement:** INCLUDED                      single control randomized in each block

### Soil Description

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

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## Application Description

	A	B	C
Application Date:	5/31/11	6/13/11	6/27/11
Time of Day:	11:15 A.M	12:45 P.M	8:45 A.M.
Application Method:	SPRAY	SPRAY	SPRAY
Application Timing:	PRE	EPO	
Application Placement:	BROFOL	BROFOL	BROFOL
Applied By:	Reeb	Dobbels	Dobbels
Air Temperature, Unit:	89.9 F	76.7 F	67.5 F
% Relative Humidity:	62.1	51.2	72.5
Wind Velocity, Unit:	3.8 MPH	6.8 MPH	1.9 MPH
Wind Direction:	SSW	NW	SSW
Dew Presence (Y/N):	N no	N no	Y yes
Soil Temperature, Unit:	72 F	77 F	62 F
Soil Moisture:	GOOD	MOIST	GOOD
% Cloud Cover:	2	40	75
Next Rain Occurred On:	6/3/11	7/2/11	7/2/11

## Crop Stage At Each Application

	A	B	C
Crop 1 Code, BBCH Scale:	ZEAMX BCOR	ZEAMX BCOR	ZEAMX BCOR
Stage Scale Used:		BBCH	
Stage Majority, Percent:		14	100
Height, Unit:		4	IN
Height Minimum, Maximum:		3	4

## Pest Stage At Each Application

	A	B	C
Pest 1 Code, Type, Scale:	SETFA W	SETFA W	SETFA W
Stage Majority, Percent:		12	100
Stage Minimum, Percent:			18
Stage Maximum, Percent:			19
Height, Unit:		2	IN 10
Height Minimum, Maximum:		1 2	9 12
Density, Unit:	45.33 M2	45.33 M2	45.33 M2
Pest 2 Code, Type, Scale:	AMBTR W	AMBTR W	AMBTR W
Stage Majority, Percent:		14	100
Height, Unit:		4	IN 7
Height Minimum, Maximum:		2 4	7 7
Density, Unit:	6.66 M2	6.66 M2	6.66 M2
Pest 3 Code, Type, Scale:	CHEAL W	CHEAL W	CHEAL W
Stage Majority, Percent:		14	100
Height, Unit:		1	IN 5
Height Minimum, Maximum:		0.5 1	4 7
Density, Unit:	34.66 M2	34.66 M2	34.66 M2
Pest 4 Code, Type, Scale:	AMARE W	AMARE W	AMARE W
Stage Majority, Percent:		13	100
Height, Unit:		1	IN
Height Minimum, Maximum:		0.5 1	
Density, Unit:	44 M2	44 M2	44 M2
Pest 5 Code, Type, Scale:	ABUTH W	ABUTH W	ABUTH W
Stage Majority, Percent:		12	100
Height, Unit:		1	IN 8
Height Minimum, Maximum:		1 2	6 10
Density, Unit:	5.33 M2	5.33 M2	5.33 M2
Pest 6 Code, Type, Scale:	SIDSP W	SIDSP W	SIDSP W
Stage Majority, Percent:		12	100
Height, Unit:		1	IN
Height Minimum, Maximum:		0.5 1	
Density, Unit:	12 M2	12 M2	12 M2
Pest 7 Code, Type, Scale:	POLPY W	POLPY W	POLPY W
Stage Majority, Percent:		12	100
Height, Unit:		1	IN 9
Height Minimum, Maximum:		1 1	6 12
Density, Unit:	1.33 M2	1.33 M2	1.33 M2
Pest 8 Code, Type, Scale:	IPOHE W	IPOHE W	IPOHE W
Stage Majority, Percent:		12	100
Stage Minimum, Percent:			13
Stage Maximum, Percent:			16
Height, Unit:		1	IN 4
Height Minimum, Maximum:		0.75 1	3 6
Density, Unit:	2.66 M2	2.66 M2	2.66 M2
Pest 9 Code, Type, Scale:	ECHCG W	ECHCG W	ECHCG W
Density, Unit:	4 M2	4 M2	4 M2
Pest10 Code, Type, Scale:	SOLPT W	SOLPT W	SOLPT W
Density, Unit:	1.33 M2	1.33 M2	1.33 M2

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## Application Equipment

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

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 Project ID: HP11NARBLJ Investigator: Dr. Mark M. Loux  
 Sponsor Contact: Dave Lamore, Bayer CropScience

	W Weed SETFA	W Weed AMBTR	W Weed ABUTH	W Weed CHEAL	W Weed AMARE
Pest Type	Setaria faberi	Ambrosia trifi>	Abutilon theop>	Chenopodium al>	Amaranthus ret>
Pest Code	Giant foxtail	Giant ragweed	Velvetleaf	Common lambsqu>	Redroot pigweed
Pest Scientific Name					
Pest Name					
Crop Code	ZEAMX				
BBCH Scale	BCOR				
Crop Scientific Name	Zea mays				
Crop Name	Corn				
Rating Date	6/16/11	6/27/11	6/27/11	6/27/11	6/27/11
Rating Type	PHYSTU	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%	%
Number of Subsamples	1	1	1	1	1
Days After First/Last Applic.	16 3	27 14	27 14	27 14	27 14
Trt-Eval Interval	3 DA-B	0 DA-C	0 DA-C	0 DA-C	0 DA-C
Plant-Eval Interval	16 DP-1	27 DP-1	27 DP-1	27 DP-1	27 DP-1
Days After Emergence	10 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	1	2	3	4	5	6
1	UTC					0	0	0	0	0	0
2	Corvus	2.63	3 oz/a		A	0	83	68	100	93	100
	2 Atrazine	4	1 qt/a		A						
	2 Laudis	3.5	3 oz/a		C						
	2 Atrazine	4	1 qt/a		C						
	2 MSO	100	0.6 qt/a		C						
	2 N-PAK AMS	100	1.5 qt/a		C						
3	Corvus	2.63	3 oz/a		A	0	43	65	83	70	100
	3 Atrazine	4	1 qt/a		A						
	3 Laudis	3.5	3 oz/a		C						
	3 Roundup PowerMax	4.5	22 oz/a		C						
	3 N-PAK AMS	100	1.5 qt/a		C						
4	Corvus	2.63	3 oz/a		A	0	53	75	90	100	100
	4 Atrazine	4	1 qt/a		A						
	4 Ignite	2.34	22 oz/a		C						
	4 Laudis	3.5	3 oz/a		C						
	4 N-PAK AMS	100	1.5 qt/a		C						
5	Corvus	2.63	3 oz/a		A	0	83	67	100	92	100
	5 Atrazine	4	1 qt/a		A						
	5 Capreno	3.46	3 oz/a		C						
	5 COC	100	0.6 qt/a		C						
	5 N-PAK AMS	100	1.5 qt/a		C						
6	Balance Flexx	2	4 oz/a		A	0	88	81	100	95	100
	6 Atrazine	4	2 pt/a		A						
	6 Laudis	3.5	3 oz/a		C						
	6 Roundup PowerMax	4.5	22 oz/a		C						
	6 N-PAK AMS	100	1.5 qt/a		C						
7	Balance Flexx	2	4 oz/a		A	0	87	78	100	100	100
	7 Atrazine	4	2 pt/a		A						
	7 Ignite	2.34	22 oz/a		C						
	7 Laudis	3.5	3 oz/a		C						
	7 N-PAK AMS	100	1.5 qt/a		C						
8	Balance Flexx	2	4 oz/a		A	0	83	83	100	97	97
	8 Atrazine	4	2 pt/a		A						
	8 Capreno	3.46	3 oz/a		C						
	8 COC	100	0.6 qt/a		C						
	8 N-PAK AMS	100	1.5 qt/a		C						
9	Lexar	3.7	2 qt/a		A	0	87	78	100	100	100

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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	6/16/11	6/27/11	6/27/11	6/27/11	6/27/11	6/27/11
Rating Type	PHYSTU	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%	%	%
Number of Subsamples	1	1	1	1	1	1
Days After First/Last Applic.	16 3	27 14	27 14	27 14	27 14	27 14
Trt-Eval Interval	3 DA-B	0 DA-C	0 DA-C	0 DA-C	0 DA-C	0 DA-C
Plant-Eval Interval	16 DP-1	27 DP-1	27 DP-1	27 DP-1	27 DP-1	27 DP-1
Days After Emergence	10 DE-1	21 DE-1	21 DE-1	21 DE-1	21 DE-1	21 DE-1
Number of Decimals	0	0	0	0	0	0

Trt	Treatment	Form	Other	Other	Appl	1	2	3	4	5	6
No.	Name	Conc	Rate	Rate	Unit Code						
9	Touchdown Total	4.17	24 oz/a		C						
9	N-PAK AMS	100	1.5 qt/a		C						
10	Lexar	3.7	2 qt/a		A	0	63	82	90	100	100
10	Halex GT	4.38	3.6 pt/a		C						
10	NIS	100	4.8 oz/a		C						
10	N-PAK AMS	100	1.5 qt/a		C						
11	Integrity	5.57	15 oz/a		A	0	90	83	100	97	100
11	Status	56	5 oz/a		C						
11	Roundup PowerMax	4.5	22 oz/a		C						
11	N-PAK AMS	100	1.5 qt/a		C						
12	Surestart	4.25	2 pt/a		A	0	87	63	83	93	100
12	Durango DMA	4	24 oz/a		C						
12	N-PAK AMS	100	1.5 qt/a		C						
13	Surestart	4.25	1.75 pt/a		A	0	82	65	73	100	100
13	Durango DMA	4	24 oz/a		C						
13	N-PAK AMS	100	1.5 qt/a		C						
14	Surestart	4.25	1.75 pt/a		B	5	100	97	100	100	100
14	Durango DMA	4	24 oz/a		B						
14	N-PAK AMS	100	1.5 qt/a		B						
LSD (P=.05)		0.0	38.5					14.8	16.0	11.2	2.6
Standard Deviation		0.0	22.9					8.8	9.6	6.7	1.5
CV		0.0	31.17					12.51	10.97	7.54	1.67
Bartlett's X2		0.0	34.761					11.345	0.504	2.506	0.0
P(Bartlett's X2)		.	0.001*					0.50	0.973	0.776	.
Replicate F		0.000	0.870					0.386	2.600	0.899	1.000
Replicate Prob(F)		1.0000	0.4310					0.6834	0.0935	0.4193	0.3816
Treatment F		0.000	3.904					19.303	23.122	47.851	896.385
Treatment Prob(F)		1.0000	0.0015					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	POLPY	SIDSP	HIBTR	IPHOE	SETFA
Pest Scientific Name	Persicaria pen>	Sida spinosa	Hibiscus trion>	Ipomoea heder>	Setaria faberi
Pest Name	Pennsylvania s>	Prickly sida	Venice mallow	Ivyleaf mornin>	Giant foxtail
Crop Code					ZEAMX
BBCH Scale					BCOR
Crop Scientific Name					Zea mays
Crop Name					Corn
Rating Date	6/27/11	6/27/11	6/27/11	6/27/11	7/11/11
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO	PHYGEN
Rating Unit	%	%	%	%	%
Number of Subsamples	1	1	1	1	1
Days After First/Last Applic.	27 14	27 14	27 14	27 14	41 14
Trt-Eval Interval	0 DA-C	0 DA-C	0 DA-C	0 DA-C	14 DA-C
Plant-Eval Interval	27 DP-1	27 DP-1	27 DP-1	27 DP-1	41 DP-1
Days After Emergence	21 DE-1	21 DE-1	21 DE-1	21 DE-1	35 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	Corvus	2.63	3 oz/a		A	100	100	100	60	0	100
	2 Atrazine	4	1 qt/a		A						
	2 Laudis	3.5	3 oz/a		C						
	2 Atrazine	4	1 qt/a		C						
	2 MSO	100	0.6 qt/a		C						
	2 N-PAK AMS	100	1.5 qt/a		C						
3	Corvus	2.63	3 oz/a		A	100	98	95	20	0	100
	3 Atrazine	4	1 qt/a		A						
	3 Laudis	3.5	3 oz/a		C						
	3 Roundup PowerMax	4.5	22 oz/a		C						
	3 N-PAK AMS	100	1.5 qt/a		C						
4	Corvus	2.63	3 oz/a		A	100	100	93	40	0	100
	4 Atrazine	4	1 qt/a		A						
	4 Ignite	2.34	22 oz/a		C						
	4 Laudis	3.5	3 oz/a		C						
	4 N-PAK AMS	100	1.5 qt/a		C						
5	Corvus	2.63	3 oz/a		A	100	100	100	70	0	94
	5 Atrazine	4	1 qt/a		A						
	5 Capreno	3.46	3 oz/a		C						
	5 COC	100	0.6 qt/a		C						
	5 N-PAK AMS	100	1.5 qt/a		C						
6	Balance Flexx	2	4 oz/a		A	100	97	100	40	0	100
	6 Atrazine	4	2 pt/a		A						
	6 Laudis	3.5	3 oz/a		C						
	6 Roundup PowerMax	4.5	22 oz/a		C						
	6 N-PAK AMS	100	1.5 qt/a		C						
7	Balance Flexx	2	4 oz/a		A	87	100	100	53	0	100
	7 Atrazine	4	2 pt/a		A						
	7 Ignite	2.34	22 oz/a		C						
	7 Laudis	3.5	3 oz/a		C						
	7 N-PAK AMS	100	1.5 qt/a		C						
8	Balance Flexx	2	4 oz/a		A	100	100	100	30	0	97
	8 Atrazine	4	2 pt/a		A						
	8 Capreno	3.46	3 oz/a		C						
	8 COC	100	0.6 qt/a		C						
	8 N-PAK AMS	100	1.5 qt/a		C						
9	Lexar	3.7	2 qt/a		A	100	100	100	60	0	100

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Pest Type	W Weed	W Weed	W Weed	W Weed	W Weed							
Pest Code	POLPY	SIDSP	HIBTR	IPOHE	SETFA							
Pest Scientific Name	Persicaria pen>	Sida spinosa	Hibiscus trion>	Ipomoea heder>	Setaria faberi							
Pest Name	Pennsylvania s>	Prickly sida	Venice mallow	Ivyleaf mornin>	Giant foxtail							
Crop Code					ZEAMX							
BCH Scale					BCOR							
Crop Scientific Name					Zea mays							
Crop Name					Corn							
Rating Date	6/27/11	6/27/11	6/27/11	6/27/11	7/11/11							
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO	PHYGEN							
Rating Unit	%	%	%	%	%							
Number of Subsamples	1	1	1	1	1							
Days After First/Last Applic.	27 14	27 14	27 14	27 14	41 14							
Trt-Eval Interval	0 DA-C	0 DA-C	0 DA-C	0 DA-C	14 DA-C							
Plant-Eval Interval	27 DP-1	27 DP-1	27 DP-1	27 DP-1	41 DP-1							
Days After Emergence	21 DE-1	21 DE-1	21 DE-1	21 DE-1	35 DE-1							
Number of Decimals	0	0	0	0	0							
Trt No.	Treatment Name	Form Conc	Other Rate	Other Rate	Unit	Appl Code	7	8	9	10	11	12
9	Touchdown Total	4.17	24 oz/a			C						
	9 N-PAK AMS	100	1.5 qt/a			C						
10	Lexar	3.7	2 qt/a			A	100	100	77	45	0	100
	10 Halex GT	4.38	3.6 pt/a			C						
	10 NIS	100	4.8 oz/a			C						
	10 N-PAK AMS	100	1.5 qt/a			C						
11	Integrity	5.57	15 oz/a			A	78	100	100	58	0	100
	11 Status	56	5 oz/a			C						
	11 Roundup PowerMax	4.5	22 oz/a			C						
	11 N-PAK AMS	100	1.5 qt/a			C						
12	Surestart	4.25	2 pt/a			A	70	100	100	40	0	100
	12 Durango DMA	4	24 oz/a			C						
	12 N-PAK AMS	100	1.5 qt/a			C						
13	Surestart	4.25	1.75 pt/a			A	63	100	100	30	0	100
	13 Durango DMA	4	24 oz/a			C						
	13 N-PAK AMS	100	1.5 qt/a			C						
14	Surestart	4.25	1.75 pt/a			B	93	100	100	90	0	100
	14 Durango DMA	4	24 oz/a			B						
	14 N-PAK AMS	100	1.5 qt/a			B						
LSD (P=.05)		21.2					2.8		18.5		35.9	4.2
Standard Deviation		12.6					1.7		11.0		21.4	2.5
CV		14.86					1.81		12.18		47.08	2.72
Bartlett's X2		14.659					0.877		17.267		4.568	7.437
P(Bartlett's X2)		0.012*					0.349		0.001*		0.95	0.024*
Replicate F		0.022					1.918		2.209		5.198	2.008
Replicate Prob(F)		0.9778					0.1671		0.1300		0.0126	0.1545
Treatment F		14.172					762.312		17.731		3.282	336.152
Treatment Prob(F)		0.0001					0.0001		0.0001		0.0048	0.0001

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Pest Type	W Weed	W Weed	W Weed	W Weed	W Weed
Pest Code	AMBTR	CHEAL	AMARE	ABUTH	POLPY
Pest Scientific Name	Ambrosia trifi>	Chenopodium al>	Amaranthus ret>	Abutilon theop>	Persicaria pen>
Pest Name	Giant ragweed	Common lambsqu>	Redroot pigweed	Velvetleaf	Pennsylvania s>
Crop Code					
BBCH Scale					
Crop Scientific Name					
Crop Name					
Rating Date	7/11/11	7/11/11	7/11/11	7/11/11	7/11/11
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%	%
Number of Subsamples	1	1	1	1	1
Days After First/Last Applic.	41 14	41 14	41 14	41 14	41 14
Trt-Eval Interval	14 DA-C	14 DA-C	14 DA-C	14 DA-C	14 DA-C
Plant-Eval Interval	41 DP-1	41 DP-1	41 DP-1	41 DP-1	41 DP-1
Days After Emergence	35 DE-1	35 DE-1	35 DE-1	35 DE-1	35 DE-1
Number of Decimals	0	0	0	0	0

Trt No.	Treatment Name	Form Conc	Other Rate	Other Rate	Appl Unit Code	13	14	15	16	17
1	UTC					0	0	0	0	0
2	Corvus	2.63	3 oz/a		A	100	100	100	100	100
	2 Atrazine	4	1 qt/a		A					
	2 Laudis	3.5	3 oz/a		C					
	2 Atrazine	4	1 qt/a		C					
	2 MSO	100	0.6 qt/a		C					
	2 N-PAK AMS	100	1.5 qt/a		C					
3	Corvus	2.63	3 oz/a		A	100	100	100	100	100
	3 Atrazine	4	1 qt/a		A					
	3 Laudis	3.5	3 oz/a		C					
	3 Roundup PowerMax	4.5	22 oz/a		C					
	3 N-PAK AMS	100	1.5 qt/a		C					
4	Corvus	2.63	3 oz/a		A	100	100	100	100	100
	4 Atrazine	4	1 qt/a		A					
	4 Ignite	2.34	22 oz/a		C					
	4 Laudis	3.5	3 oz/a		C					
	4 N-PAK AMS	100	1.5 qt/a		C					
5	Corvus	2.63	3 oz/a		A	100	100	100	100	100
	5 Atrazine	4	1 qt/a		A					
	5 Capreno	3.46	3 oz/a		C					
	5 COC	100	0.6 qt/a		C					
	5 N-PAK AMS	100	1.5 qt/a		C					
6	Balance Flexx	2	4 oz/a		A	100	100	100	100	100
	6 Atrazine	4	2 pt/a		A					
	6 Laudis	3.5	3 oz/a		C					
	6 Roundup PowerMax	4.5	22 oz/a		C					
	6 N-PAK AMS	100	1.5 qt/a		C					
7	Balance Flexx	2	4 oz/a		A	100	100	100	100	100
	7 Atrazine	4	2 pt/a		A					
	7 Ignite	2.34	22 oz/a		C					
	7 Laudis	3.5	3 oz/a		C					
	7 N-PAK AMS	100	1.5 qt/a		C					
8	Balance Flexx	2	4 oz/a		A	100	100	100	100	100
	8 Atrazine	4	2 pt/a		A					
	8 Capreno	3.46	3 oz/a		C					
	8 COC	100	0.6 qt/a		C					
	8 N-PAK AMS	100	1.5 qt/a		C					
9	Lexar	3.7	2 qt/a		A	100	100	100	100	100

# Ohio State University Horticulture and Crop Science

Pest Type	W Weed	W Weed	W Weed	W Weed	W Weed					
Pest Code	AMBTR	CHEAL	AMARE	ABUTH	POLPY					
Pest Scientific Name	Ambrosia trifid	Chenopodium albidum	Amaranthus retrofractus	Abutilon theophrasti	Persicaria pensylvanica					
Pest Name	Giant ragweed	Common lambsquarters	Redroot pigweed	Velvetleaf	Pennsylvania smartweed					
Crop Code										
BCH Scale										
Crop Scientific Name										
Crop Name										
Rating Date	7/11/11	7/11/11	7/11/11	7/11/11	7/11/11					
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO					
Rating Unit	%	%	%	%	%					
Number of Subsamples	1	1	1	1	1					
Days After First/Last Applic.	41 14	41 14	41 14	41 14	41 14					
Trt-Eval Interval	14 DA-C	14 DA-C	14 DA-C	14 DA-C	14 DA-C					
Plant-Eval Interval	41 DP-1	41 DP-1	41 DP-1	41 DP-1	41 DP-1					
Days After Emergence	35 DE-1	35 DE-1	35 DE-1	35 DE-1	35 DE-1					
Number of Decimals	0	0	0	0	0					
Trt No.	Treatment Name	Form Conc	Other Rate	Other Rate	Appl Unit Code	13	14	15	16	17
9	Touchdown Total	4.17	24 oz/a		C					
9	N-PAK AMS	100	1.5 qt/a		C					
10	Lexar	3.7	2 qt/a		A	100	100	100	100	100
10	Halex GT	4.38	3.6 pt/a		C					
10	NIS	100	4.8 oz/a		C					
10	N-PAK AMS	100	1.5 qt/a		C					
11	Integrity	5.57	15 oz/a		A	100	100	100	100	100
11	Status	56	5 oz/a		C					
11	Roundup PowerMax	4.5	22 oz/a		C					
11	N-PAK AMS	100	1.5 qt/a		C					
12	Surestart	4.25	2 pt/a		A	92	100	100	97	88
12	Durango DMA	4	24 oz/a		C					
12	N-PAK AMS	100	1.5 qt/a		C					
13	Surestart	4.25	1.75 pt/a		A	93	100	100	100	97
13	Durango DMA	4	24 oz/a		C					
13	N-PAK AMS	100	1.5 qt/a		C					
14	Surestart	4.25	1.75 pt/a		B	92	100	100	100	100
14	Durango DMA	4	24 oz/a		B					
14	N-PAK AMS	100	1.5 qt/a		B					
	LSD (P=.05)					6.4	0.0	0.0	2.6	5.2
	Standard Deviation					3.8	0.0	0.0	1.5	3.1
	CV					4.2	0.0	0.0	1.67	3.39
	Bartlett's X2					0.751	0.0	0.0	0.0	0.646
	P(Bartlett's X2)					0.687	.	.	.	0.421
	Replicate F					1.175	0.000	0.000	1.000	1.664
	Replicate Prob(F)					0.3248	1.0000	1.0000	0.3816	0.2090
	Treatment F					143.077	0.000	0.000	896.385	219.815
	Treatment Prob(F)					0.0001	1.0000	1.0000	0.0001	0.0001

# Ohio State University Horticulture and Crop Science

Pest Type	W Weed	W Weed	W Weed	W Weed	W Weed	W Weed
Pest Code	SIDSP	HIBTR	IPOHE	SETFA	ECHCG	AMBTR
Pest Scientific Name	Sida spinosa	Hibiscus trion>	Ipomoea hederata>	Setaria faberi	Echinochloa cr>	Ambrosia trifi>
Pest Name	Prickly sida	Venice mallow	Ivyleaf mornin>	Giant foxtail	Common barnyar>	Giant ragweed
Crop Code						
BBCH Scale						
Crop Scientific Name						
Crop Name						
Rating Date	7/11/11	7/11/11	7/11/11	7/26/11	7/26/11	7/26/11
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%	%	%
Number of Subsamples	1	1	1	1	1	1
Days After First/Last Applic.	41 14	41 14	41 14	56 29	56 29	56 29
Trt-Eval Interval	14 DA-C	14 DA-C	14 DA-C	29 DA-C	29 DA-C	29 DA-C
Plant-Eval Interval	41 DP-1	41 DP-1	41 DP-1	56 DP-1	56 DP-1	56 DP-1
Days After Emergence	35 DE-1	35 DE-1	35 DE-1	50 DE-1	50 DE-1	50 DE-1
Number of Decimals	0	0	0	0	0	0

Trt No.	Treatment Name	Form Conc	Other Rate	Other Rate	Appl Unit Code	18	19	20	21	22	23
1	UTC					0	0	0	0	0	0
2	Corvus	2.63	3 oz/a		A	100	100	100	98	100	100
	2 Atrazine	4	1 qt/a		A						
	2 Laudis	3.5	3 oz/a		C						
	2 Atrazine	4	1 qt/a		C						
	2 MSO	100	0.6 qt/a		C						
	2 N-PAK AMS	100	1.5 qt/a		C						
3	Corvus	2.63	3 oz/a		A	100	100	93	100	100	100
	3 Atrazine	4	1 qt/a		A						
	3 Laudis	3.5	3 oz/a		C						
	3 Roundup PowerMax	4.5	22 oz/a		C						
	3 N-PAK AMS	100	1.5 qt/a		C						
4	Corvus	2.63	3 oz/a		A	100	100	100	100	100	100
	4 Atrazine	4	1 qt/a		A						
	4 Ignite	2.34	22 oz/a		C						
	4 Laudis	3.5	3 oz/a		C						
	4 N-PAK AMS	100	1.5 qt/a		C						
5	Corvus	2.63	3 oz/a		A	100	100	96	97	100	100
	5 Atrazine	4	1 qt/a		A						
	5 Capreno	3.46	3 oz/a		C						
	5 COC	100	0.6 qt/a		C						
	5 N-PAK AMS	100	1.5 qt/a		C						
6	Balance Flexx	2	4 oz/a		A	100	100	97	100	100	100
	6 Atrazine	4	2 pt/a		A						
	6 Laudis	3.5	3 oz/a		C						
	6 Roundup PowerMax	4.5	22 oz/a		C						
	6 N-PAK AMS	100	1.5 qt/a		C						
7	Balance Flexx	2	4 oz/a		A	100	100	100	99	100	100
	7 Atrazine	4	2 pt/a		A						
	7 Ignite	2.34	22 oz/a		C						
	7 Laudis	3.5	3 oz/a		C						
	7 N-PAK AMS	100	1.5 qt/a		C						
8	Balance Flexx	2	4 oz/a		A	100	100	86	100	100	100
	8 Atrazine	4	2 pt/a		A						
	8 Capreno	3.46	3 oz/a		C						
	8 COC	100	0.6 qt/a		C						
	8 N-PAK AMS	100	1.5 qt/a		C						
9	Lexar	3.7	2 qt/a		A	100	100	95	100	100	100

# Ohio State University Horticulture and Crop Science

Pest Type	W Weed	W Weed	W Weed	W Weed	W Weed	W Weed
Pest Code	SIDSP	HIBTR	IPOHE	SETFA	ECHCG	AMBTR
Pest Scientific Name	Sida spinosa	Hibiscus trion>	Ipomoea hederata>	Setaria faberi	Echinochloa cr>	Ambrosia trifid>
Pest Name	Prickly sida	Venice mallow	Ivyleaf mornin>	Giant foxtail	Common barnyar>	Giant ragweed
Crop Code						
BBCH Scale						
Crop Scientific Name						
Crop Name						
Rating Date	7/11/11	7/11/11	7/11/11	7/26/11	7/26/11	7/26/11
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%	%	%
Number of Subsamples	1	1	1	1	1	1
Days After First/Last Applic.	41 14	41 14	41 14	56 29	56 29	56 29
Trt-Eval Interval	14 DA-C	14 DA-C	14 DA-C	29 DA-C	29 DA-C	29 DA-C
Plant-Eval Interval	41 DP-1	41 DP-1	41 DP-1	56 DP-1	56 DP-1	56 DP-1
Days After Emergence	35 DE-1	35 DE-1	35 DE-1	50 DE-1	50 DE-1	50 DE-1
Number of Decimals	0	0	0	0	0	0

Trt Treatment No. Name	Form Conc	Other Rate	Other Rate	Unit	Appl Code	18	19	20	21	22	23
9 Touchdown Total	4.17	24 oz/a			C						
9 N-PAK AMS	100	1.5 qt/a			C						
10 Lexar	3.7	2 qt/a			A	100	100	100	100	100	100
10 Halex GT	4.38	3.6 pt/a			C						
10 NIS	100	4.8 oz/a			C						
10 N-PAK AMS	100	1.5 qt/a			C						
11 Integrity	5.57	15 oz/a			A	100	100	100	100	100	100
11 Status	56	5 oz/a			C						
11 Roundup PowerMax	4.5	22 oz/a			C						
11 N-PAK AMS	100	1.5 qt/a			C						
12 Surestart	4.25	2 pt/a			A	100	100	83	99	100	97
12 Durango DMA	4	24 oz/a			C						
12 N-PAK AMS	100	1.5 qt/a			C						
13 Surestart	4.25	1.75 pt/a			A	100	100	80	100	100	98
13 Durango DMA	4	24 oz/a			C						
13 N-PAK AMS	100	1.5 qt/a			C						
14 Surestart	4.25	1.75 pt/a			B	100	100	92	100	100	97
14 Durango DMA	4	24 oz/a			B						
14 N-PAK AMS	100	1.5 qt/a			B						
LSD (P=.05)						0.0	0.0	13.1	1.9	0.0	3.9
Standard Deviation						0.0	0.0	7.8	1.1	0.0	2.3
CV						0.0	0.0	8.95	1.23	0.0	2.52
Bartlett's X2						0.0	0.0	5.147	2.845	0.0	1.389
P(Bartlett's X2)						.	.	0.642	0.416	.	0.499
Replicate F						0.000	0.000	1.083	2.016	0.000	0.571
Replicate Prob(F)						1.0000	1.0000	0.3533	0.1535	1.0000	0.5719
Treatment F						0.000	0.000	33.212	1650.215	0.000	393.789
Treatment Prob(F)						1.0000	1.0000	0.0001	0.0001	1.0000	0.0001

# Ohio State University Horticulture and Crop Science

Pest Type	W Weed	W Weed	W Weed	W Weed	W Weed
Pest Code	CHEAL	ABUTH	AMARE	POLPY	IPOHE
Pest Scientific Name	Chenopodium al>	Abutilon theop>	Amaranthus ret>	Persicaria pen>	Ipomoea hederat>
Pest Name	Common lambsqu>	Velvetleaf	Redroot pigweed	Pennsylvania s>	Ivyleaf mornin>
Crop Code					
BBCH Scale					
Crop Scientific Name					
Crop Name					
Rating Date	7/26/11	7/26/11	7/26/11	7/26/11	7/26/11
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%	%
Number of Subsamples	1	1	1	1	1
Days After First/Last Applic.	56 29	56 29	56 29	56 29	56 29
Trt-Eval Interval	29 DA-C	29 DA-C	29 DA-C	29 DA-C	29 DA-C
Plant-Eval Interval	56 DP-1	56 DP-1	56 DP-1	56 DP-1	56 DP-1
Days After Emergence	50 DE-1	50 DE-1	50 DE-1	50 DE-1	50 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
1	UTC					0	0	0	0	0
2	Corvus	2.63	3 oz/a		A	100	100	100	100	100
	2 Atrazine	4	1 qt/a		A					
	2 Laudis	3.5	3 oz/a		C					
	2 Atrazine	4	1 qt/a		C					
	2 MSO	100	0.6 qt/a		C					
	2 N-PAK AMS	100	1.5 qt/a		C					
3	Corvus	2.63	3 oz/a		A	100	100	100	100	90
	3 Atrazine	4	1 qt/a		A					
	3 Laudis	3.5	3 oz/a		C					
	3 Roundup PowerMax	4.5	22 oz/a		C					
	3 N-PAK AMS	100	1.5 qt/a		C					
4	Corvus	2.63	3 oz/a		A	100	100	100	100	100
	4 Atrazine	4	1 qt/a		A					
	4 Ignite	2.34	22 oz/a		C					
	4 Laudis	3.5	3 oz/a		C					
	4 N-PAK AMS	100	1.5 qt/a		C					
5	Corvus	2.63	3 oz/a		A	100	100	100	100	88
	5 Atrazine	4	1 qt/a		A					
	5 Capreno	3.46	3 oz/a		C					
	5 COC	100	0.6 qt/a		C					
	5 N-PAK AMS	100	1.5 qt/a		C					
6	Balance Flexx	2	4 oz/a		A	100	100	100	100	88
	6 Atrazine	4	2 pt/a		A					
	6 Laudis	3.5	3 oz/a		C					
	6 Roundup PowerMax	4.5	22 oz/a		C					
	6 N-PAK AMS	100	1.5 qt/a		C					
7	Balance Flexx	2	4 oz/a		A	100	100	100	100	100
	7 Atrazine	4	2 pt/a		A					
	7 Ignite	2.34	22 oz/a		C					
	7 Laudis	3.5	3 oz/a		C					
	7 N-PAK AMS	100	1.5 qt/a		C					
8	Balance Flexx	2	4 oz/a		A	100	100	100	100	95
	8 Atrazine	4	2 pt/a		A					
	8 Capreno	3.46	3 oz/a		C					
	8 COC	100	0.6 qt/a		C					
	8 N-PAK AMS	100	1.5 qt/a		C					
9	Lexar	3.7	2 qt/a		A	100	100	100	100	95

# Ohio State University Horticulture and Crop Science

Pest Type	W Weed	W Weed	W Weed	W Weed	W Weed						
Pest Code	CHEAL	ABUTH	AMARE	POLPY	IPOHE						
Pest Scientific Name	Chenopodium al>	Abutilon theop>	Amaranthus ret>	Persicaria pen>	Ipomoea heder>						
Pest Name	Common lambsqu>	Velvetleaf	Redroot pigweed	Pennsylvania s>	Ivyleaf mornin>						
Crop Code											
BCH Scale											
Crop Scientific Name											
Crop Name											
Rating Date	7/26/11	7/26/11	7/26/11	7/26/11	7/26/11						
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO						
Rating Unit	%	%	%	%	%						
Number of Subsamples	1	1	1	1	1						
Days After First/Last Applic.	56 29	56 29	56 29	56 29	56 29						
Trt-Eval Interval	29 DA-C	29 DA-C	29 DA-C	29 DA-C	29 DA-C						
Plant-Eval Interval	56 DP-1	56 DP-1	56 DP-1	56 DP-1	56 DP-1						
Days After Emergence	50 DE-1	50 DE-1	50 DE-1	50 DE-1	50 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
9	Touchdown Total	4.17	24 oz/a		C						
9	N-PAK AMS	100	1.5 qt/a		C						
10	Lexar	3.7	2 qt/a		A	100	100	100	100	100	100
10	Halex GT	4.38	3.6 pt/a		C						
10	NIS	100	4.8 oz/a		C						
10	N-PAK AMS	100	1.5 qt/a		C						
11	Integrity	5.57	15 oz/a		A	100	100	100	100	100	100
11	Status	56	5 oz/a		C						
11	Roundup PowerMax	4.5	22 oz/a		C						
11	N-PAK AMS	100	1.5 qt/a		C						
12	Surestart	4.25	2 pt/a		A	100	93	100	90	83	
12	Durango DMA	4	24 oz/a		C						
12	N-PAK AMS	100	1.5 qt/a		C						
13	Surestart	4.25	1.75 pt/a		A	100	98	100	100	87	
13	Durango DMA	4	24 oz/a		C						
13	N-PAK AMS	100	1.5 qt/a		C						
14	Surestart	4.25	1.75 pt/a		B	100	100	100	100	90	
14	Durango DMA	4	24 oz/a		B						
14	N-PAK AMS	100	1.5 qt/a		B						
	LSD (P=.05)					0.0	5.2	0.0	3.9	10.4	
	Standard Deviation					0.0	3.1	0.0	2.3	6.2	
	CV					0.0	3.38	0.0	2.51	7.1	
	Bartlett's X2					0.0	2.962	0.0	0.0	4.968	
	P(Bartlett's X2)					.	0.085	.	.	0.664	
	Replicate F					0.000	1.526	0.000	1.000	1.518	
	Replicate Prob(F)					1.0000	0.2363	1.0000	0.3816	0.2388	
	Treatment F					0.000	217.901	0.000	397.846	52.022	
	Treatment Prob(F)					1.0000	0.0001	1.0000	0.0001	0.0001	

## Ohio State University Horticulture and Crop Science

Pest Type	W Weed	W Weed
Pest Code	SIDSP	HIBTR
Pest Scientific Name	Sida spinosa	Hibiscus trion>
Pest Name	Prickly sida	Venice mallow
Crop Code		
BBCH Scale		
Crop Scientific Name		
Crop Name		
Rating Date	7/26/11	7/26/11
Rating Type	CONTRO	CONTRO
Rating Unit	%	%
Number of Subsamples	1	1
Days After First/Last Applic.	56 29	56 29
Trt-Eval Interval	29 DA-C	29 DA-C
Plant-Eval Interval	56 DP-1	56 DP-1
Days After Emergence	50 DE-1	50 DE-1
Number of Decimals	0	0

Trt No.	Treatment Name	Form Conc	Other Rate	Other Rate	Appl Unit Code	29	30
1	UTC					0	0
2	Corvus	2.63	3 oz/a		A	100	100
2	Atrazine	4	1 qt/a		A		
2	Laudis	3.5	3 oz/a		C		
2	Atrazine	4	1 qt/a		C		
2	MSO	100	0.6 qt/a		C		
2	N-PAK AMS	100	1.5 qt/a		C		
3	Corvus	2.63	3 oz/a		A	100	100
3	Atrazine	4	1 qt/a		A		
3	Laudis	3.5	3 oz/a		C		
3	Roundup PowerMax	4.5	22 oz/a		C		
3	N-PAK AMS	100	1.5 qt/a		C		
4	Corvus	2.63	3 oz/a		A	100	100
4	Atrazine	4	1 qt/a		A		
4	Ignite	2.34	22 oz/a		C		
4	Laudis	3.5	3 oz/a		C		
4	N-PAK AMS	100	1.5 qt/a		C		
5	Corvus	2.63	3 oz/a		A	100	100
5	Atrazine	4	1 qt/a		A		
5	Capreno	3.46	3 oz/a		C		
5	COC	100	0.6 qt/a		C		
5	N-PAK AMS	100	1.5 qt/a		C		
6	Balance Flexx	2	4 oz/a		A	100	100
6	Atrazine	4	2 pt/a		A		
6	Laudis	3.5	3 oz/a		C		
6	Roundup PowerMax	4.5	22 oz/a		C		
6	N-PAK AMS	100	1.5 qt/a		C		
7	Balance Flexx	2	4 oz/a		A	100	100
7	Atrazine	4	2 pt/a		A		
7	Ignite	2.34	22 oz/a		C		
7	Laudis	3.5	3 oz/a		C		
7	N-PAK AMS	100	1.5 qt/a		C		
8	Balance Flexx	2	4 oz/a		A	100	100
8	Atrazine	4	2 pt/a		A		
8	Capreno	3.46	3 oz/a		C		
8	COC	100	0.6 qt/a		C		
8	N-PAK AMS	100	1.5 qt/a		C		
9	Lexar	3.7	2 qt/a		A	100	100

# Ohio State University Horticulture and Crop Science

Pest Type	W Weed	W Weed
Pest Code	SIDSP	HIBTR
Pest Scientific Name	Sida spinosa	Hibiscus trion>
Pest Name	Prickly sida	Venice mallow
Crop Code		
BBCH Scale		
Crop Scientific Name		
Crop Name		
Rating Date	7/26/11	7/26/11
Rating Type	CONTRO	CONTRO
Rating Unit	%	%
Number of Subsamples	1	1
Days After First/Last Applic.	56 29	56 29
Trt-Eval Interval	29 DA-C	29 DA-C
Plant-Eval Interval	56 DP-1	56 DP-1
Days After Emergence	50 DE-1	50 DE-1
Number of Decimals	0	0

Trt	Treatment	Form	Other	Other	Appl		
No.	Name	Conc	Rate	Rate	Unit	Code	
							29
							30
9	Touchdown Total	4.17	24 oz/a			C	
9	N-PAK AMS	100	1.5 qt/a			C	
10	Lexar	3.7	2 qt/a			A	100
10	Halex GT	4.38	3.6 pt/a			C	
10	NIS	100	4.8 oz/a			C	
10	N-PAK AMS	100	1.5 qt/a			C	
11	Integrity	5.57	15 oz/a			A	100
11	Status	56	5 oz/a			C	
11	Roundup PowerMax	4.5	22 oz/a			C	
11	N-PAK AMS	100	1.5 qt/a			C	
12	Surestart	4.25	2 pt/a			A	100
12	Durango DMA	4	24 oz/a			C	
12	N-PAK AMS	100	1.5 qt/a			C	
13	Surestart	4.25	1.75 pt/a			A	100
13	Durango DMA	4	24 oz/a			C	
13	N-PAK AMS	100	1.5 qt/a			C	
14	Surestart	4.25	1.75 pt/a			B	100
14	Durango DMA	4	24 oz/a			B	
14	N-PAK AMS	100	1.5 qt/a			B	
	LSD (P=.05)						0.3
	Standard Deviation						0.2
	CV						0.17
	Bartlett's X2						0.0
	P(Bartlett's X2)						.
	Replicate F						1.000
	Replicate Prob(F)						0.3816
	Treatment F						89954.853
	Treatment Prob(F)						0.0001

# Ohio State University Horticulture and Crop Science

## Bayer Crop Science Two Pass Weed Control Systems

Title No. 2:

Trial ID: 11BYR2PW  
Location: WESTERN BRANCH F-8  
Project ID: HP11NARBLJ

Protocol ID: 11BYR2PW  
Study Director: Anthony F. Dobbels  
Investigator: Dr. Mark M. Loux  
Sponsor Contact: Dave Lamore, Bayer CropScience

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  
POLPY, *Persicaria pensylvanica*, = US  
SIDSP, *Sida spinosa*, = US  
HIBTR, *Hibiscus trionum*, = US  
IPOHE, *Ipomoea hederacea*, = US  
ECHCG, *Echinochloa crus-galli*, = US

Crop Code

ZEAMX, *Zea mays*, = US

Rating Type

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

Rating Unit

% = percent

Plant-Eval Interval

16 DP-1 = 1 5/31/11  
27 DP-1 = 1 5/31/11  
41 DP-1 = 1 5/31/11  
56 DP-1 = 1 5/31/11