

# Ohio State University Horticulture and Crop Science

## Bayer Crop Science Two Pass Weed Control Systems

Title No. 2:  
Trial ID: 11BYR2PCLK Protocol ID: 11BYR2PCLK  
Location: CLARKSBURG 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:** Clarksburg **Latitude of LL Corner °:** 39.53015 N  
**State/Prov.:** Ohio **Longitude of LL Corner °:** -83.17529 W  
**Postal Code:** 43115  
**Country:** USA

### Crop Description

**Crop 1:** ZEAMX Zea mays Corn  
**Variety:** Pioneer 32T85 **Description:** RR/LL  
**BBCH Scale:** BCOR **Planting Date:** 6/7/11  
**Planting Method:** SEEDED seeded **Rate, Unit:** 32000 S/A  
**Depth, Unit:** 2 IN  
**Row Spacing, Unit:** 30 IN  
**Seed Bed:** MEDIUM medium **Soil Temperature, Unit:** 75 F  
**Soil Moisture:** GOOD good

### Pest Description

**Pest 1 Type:** W **Code:** AMBTR Ambrosia trifida  
**Common Name:** Giant ragweed  
**Pest 2 Type:** W **Code:** HIBTR Hibiscus trionum  
**Common Name:** Venice mallow  
**Pest 3 Type:** W **Code:** IPOHE Ipomoea hederacea  
**Common Name:** Ivyleaf morningglory  
**Pest 4 Type:** W **Code:** SIDSP Sida spinosa  
**Common Name:** Prickly sida  
**Pest 5 Type:** W **Code:** CHEAL Chenopodium album  
**Common Name:** Common lambsquarters  
**Pest 6 Type:** W **Code:** SETFA Setaria faberi  
**Common Name:** Giant foxtail

### Site and Design

**Plot Width, Unit:** 10 FT **Site Type:** FIELD field  
**Plot Length, Unit:** 30 FT **Experimental Unit:** 1 PLOT plot  
**Plot Area, Unit:** 300 FT2 **Tillage Type:** CONTIL conventional-till  
**Replications:** 3 **Study Design:** RACOB L Randomized Complete Block (RCB)  
**Untreated Arrangement:** INCLUDED single control randomized in each block

### Soil Description

**Description Name:** Clarksburg  
**% Sand:** 24.5 **% OM:** 2.9 **Texture:** SICL silty clay loam  
**% Silt:** 48.9 **pH:** 6.8 **Soil Name:** Kokomo  
**% Clay:** 26.6 **CEC:** 11.7 **Fert. Level:** G good  
**Soil Drainage:** G good

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## Application Description

	A	B
Application Date:	6/7/11	7/7/11
Time of Day:	2:00 P.M.	8:00 A.M.
Application Method:	SPRAY	SPRAY
Application Timing:	PRE	POST
Application Placement:	BROSOI	BROFOL
Applied By:	Ackley	McCormick
Air Temperature, Unit:	78 F	73 F
% Relative Humidity:	52	72
Wind Velocity, Unit:	6 MPH	1.5 MPH
Wind Direction:	SSW	W
Dew Presence (Y/N):	N no	N no
Soil Temperature, Unit:	75 F	76 F
Soil Moisture:	GOOD	DRY
% Cloud Cover:	100	0
Next Rain Occurred On:	6/7/11	7/8/11

## Crop Stage At Each Application

	A	B
Crop 1 Code, BBCH Scale:	ZEAMX BCOR	ZEAMX BCOR
Stage Scale Used:		BBCH
Stage Majority, Percent:		17 100
Height, Unit:		32 IN
Height Minimum, Maximum:		28 32

## Pest Stage At Each Application

	A	B
Pest 1 Code, Type, Scale:	AMBTR W	AMBTR W
Stage Majority, Percent:		16 60
Stage Minimum, Percent:		16 60
Stage Maximum, Percent:		10
Height, Unit:		12 IN
Height Minimum, Maximum:		8 18
Density, Unit:	12 M2	12 M2
Pest 2 Code, Type, Scale:	HIBTR W	HIBTR W
Stage Majority, Percent:		16 90
Stage Minimum, Percent:		16 90
Stage Maximum, Percent:		10
Height, Unit:		18 IN
Height Minimum, Maximum:		6 14
Density, Unit:	14.66 M2	14.66 M2
Pest 3 Code, Type, Scale:	IPOHE W	IPOHE W
Stage Majority, Percent:		16 70
Stage Minimum, Percent:		16 70
Stage Maximum, Percent:		19 10
Height, Unit:		5 IN
Height Minimum, Maximum:		4 6
Pest 4 Code, Type, Scale:	SIDSP W	SIDSP W
Stage Majority, Percent:		14 80
Stage Minimum, Percent:		14 80
Stage Maximum, Percent:		19 10
Height, Unit:		3 IN
Height Minimum, Maximum:		3 5
Density, Unit:	1.33 M2	1.33 M2
Pest 5 Code, Type, Scale:	CHEAL W	CHEAL W
Density, Unit:	4 M2	4 M2
Pest 6 Code, Type, Scale:	SETFA W	SETFA W
Stage Majority, Percent:		13 30
Stage Minimum, Percent:		13 30
Stage Maximum, Percent:		15 60
Height, Unit:		5 IN
Height Minimum, Maximum:		5 7
Density, Unit:	6.66 M2	6.66 M2

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## Application Equipment

	A	B
<b>Appl. Equipment:</b>	10 Foot Boom	10 Foot Boom
<b>Equipment Type:</b>	SPRBAC	SPRBAC
<b>Operating Pressure, Unit:</b>	46 PSI	46 PSI
<b>Nozzle Type:</b>	TEEJET DG	TEEJET DG
<b>Nozzle Size:</b>	80015	80015
<b>Nozzle Spacing, Unit:</b>	18 IN	18 IN
<b>Boom Length, Unit:</b>	10 FT	10 FT
<b>Boom Height, Unit:</b>	20 IN	20 IN
<b>Ground Speed, Unit:</b>	3 MPH	3 MPH
<b>Carrier:</b>	WATER	WATER
<b>Spray Volume, Unit:</b>	15 GPA	15 GPA
<b>Mix Size, Unit:</b>	0.33 Gallons	0.33 Gallons
<b>Propellant:</b>	CO2	CO2

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Pest Type	W Weed	W Weed	W Weed	W Weed	W Weed	W Weed
Pest Code	SETFA	AMBTR	SIDSP	HIBTR	SETFA	AMBTR
Pest Scientific Name	Setaria faberi	Ambrosia trifi>	Sida spinosa	Hibiscus trion>	Setaria faberi	Ambrosia trifi>
Pest Name	Giant foxtail	Giant ragweed	Prickly sida	Venice mallow	Giant foxtail	Giant ragweed
Rating Date	7/7/11	7/7/11	7/7/11	7/7/11	7/21/11	7/21/11
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%	%	%
Number of Subsamples	1	1	1	1	1	1
Rating Timing	AT POST	AT POST	AT POST	AT POST		
Days After First/Last Applic.	30 30	30 30	30 30	30 30	44 14	44 14
Trt-Eval Interval	0 DA-B	0 DA-B	0 DA-B	0 DA-B	14 DA-B	14 DA-B
Plant-Eval Interval	30 DP-1	30 DP-1	30 DP-1	30 DP-1	44 DP-1	44 DP-1
Number of Decimals	0	0	0	0	0	0

Trt No.	Treatment Name	Form Conc	Other Rate	Other Rate Unit	Appl Code	1	2	3	4	5	6
1	UTC					0	0	0	0	0	0
2	Corvus	2.63	3 oz/a		A	100	70	88	100	100	100
	2 Atrazine	4	1 qt/a		A						
	2 Laudis	3.5	3 oz/a		B						
	2 Atrazine	4	1 qt/a		B						
	2 MSO	100	0.6 qt/a		B						
	2 N-PAK AMS	100	1.5 qt/a		B						
3	Corvus	2.63	3 oz/a		A	100	60	100	93	100	90
	3 Atrazine	4	1 qt/a		A						
	3 Laudis	3.5	3 oz/a		B						
	3 Roundup PowerMax	4.5	22 oz/a		B						
	3 N-PAK AMS	100	1.5 qt/a		B						
4	Corvus	2.63	3 oz/a		A	80	70	83	87	96	95
	4 Atrazine	4	1 qt/a		A						
	4 Ignite	2.34	22 oz/a		B						
	4 Laudis	3.5	3 oz/a		B						
	4 N-PAK AMS	100	1.5 qt/a		B						
5	Corvus	2.63	3 oz/a		A	85	70	93	87	100	97
	5 Atrazine	4	1 qt/a		A						
	5 Capreno	3.46	3 oz/a		B						
	5 COC	100	0.6 qt/a		B						
	5 N-PAK AMS	100	1.5 qt/a		B						
6	Balance Flexx	2	4 oz/a		A	100	77	97	80	100	90
	6 Atrazine	4	2 pt/a		A						
	6 Laudis	3.5	3 oz/a		B						
	6 Roundup PowerMax	4.5	22 oz/a		B						
	6 N-PAK AMS	100	1.5 qt/a		B						
7	Balance Flexx	2	4 oz/a		A	100	77	93	87	100	93
	7 Atrazine	4	2 pt/a		A						
	7 Ignite	2.34	22 oz/a		B						
	7 Laudis	3.5	3 oz/a		B						
	7 N-PAK AMS	100	1.5 qt/a		B						
8	Balance Flexx	2	4 oz/a		A	95	70	100	100	100	95
	8 Atrazine	4	2 pt/a		A						
	8 Capreno	3.46	3 oz/a		B						
	8 COC	100	0.6 qt/a		B						
	8 N-PAK AMS	100	1.5 qt/a		B						
9	Lexar	3.7	2 qt/a		A	100	100	83	73	100	100
	9 Touchdown Total	4.17	24 oz/a		B						
	9 N-PAK AMS	100	1.5 qt/a		B						
10	Lexar	3.7	2 qt/a		A	100	100	100	100	100	100

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Pest Type	W Weed	W Weed	W Weed	W Weed	W Weed	W Weed
Pest Code	SETFA	AMBTR	SIDSP	HIBTR	SETFA	AMBTR
Pest Scientific Name	Setaria faberi	Ambrosia trifi>	Sida spinosa	Hibiscus trion>	Setaria faberi	Ambrosia trifi>
Pest Name	Giant foxtail	Giant ragweed	Prickly sida	Venice mallow	Giant foxtail	Giant ragweed
Rating Date	7/7/11	7/7/11	7/7/11	7/7/11	7/21/11	7/21/11
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%	%	%
Number of Subsamples	1	1	1	1	1	1
Rating Timing	AT POST	AT POST	AT POST	AT POST		
Days After First/Last Applic.	30 30	30 30	30 30	30 30	44 14	44 14
Trt-Eval Interval	0 DA-B	0 DA-B	0 DA-B	0 DA-B	14 DA-B	14 DA-B
Plant-Eval Interval	30 DP-1	30 DP-1	30 DP-1	30 DP-1	44 DP-1	44 DP-1
Number of Decimals	0	0	0	0	0	0

Trt No.	Treatment Name	Form Conc	Other Rate	Other Rate Unit	Appl Code	1	2	3	4	5	6
10	Halex GT	4.38	3.6 pt/a		B						
10	NIS	100	4.8 oz/a		B						
10	N-PAK AMS	100	1.5 qt/a		B						
11	Integrity	5.57	15 oz/a		A	95	80	93	57	100	95
11	Status	56	5 oz/a		B						
11	Roundup PowerMax	4.5	22 oz/a		B						
11	N-PAK AMS	100	1.5 qt/a		B						
12	Surestart	4.25	2 pt/a		A	100	53	85	65	100	77
12	Durango DMA	4	24 oz/a		B						
12	N-PAK AMS	100	1.5 qt/a		B						
13	Roundup PowerMax	4.5	22 oz/a		B	0	0	0	0	92	77
13	N-PAK AMS	100	1.5 qt/a		B						
14	Impact	2.8	0.75 oz/a		B	0	0	0	0	93	85
14	Atrazine	4	1 pt/a		B						
14	MSO	100	0.6 qt/a		B						
14	28% UAN	100	1.5 qt/a		B						
15	Roundup PowerMax	4.5	22 oz/a		B	0	0	0	0	98	95
15	Impact	2.8	0.75 oz/a		B						
15	Atrazine	4	1 pt/a		B						
15	Superb HC	100	0.3 qt/a		B						
15	28% UAN	100	1.5 qt/a		B						
16	Roundup PowerMax	4.5	22 oz/a		B	0	0	0	0	92	83
16	Impact	2.8	0.5 oz/a		B						
16	Atrazine	4	1 pt/a		B						
16	Superb HC	100	0.3 qt/a		B						
16	28% UAN	100	1.5 qt/a		B						
LSD (P=.05)		13.6	20.4	17.4	22.0	5.2	15.7				
Standard Deviation		8.1	12.2	10.4	13.2	3.1	9.4				
CV		12.35	23.69	16.41	22.7	3.42	10.97				
Bartlett's X2		2.685	7.09	4.174	4.317	1.597	8.607				
P(Bartlett's X2)		0.443	0.42	0.76	0.743	0.809	0.658				
Replicate F		0.447	8.355	3.697	4.452	1.315	1.597				
Replicate Prob(F)		0.6435	0.0013	0.0367	0.0203	0.2836	0.2192				
Treatment F		96.787	28.678	54.793	30.657	185.300	19.665				
Treatment Prob(F)		0.0001	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	W Weed
Pest Code	SIDSP	HIBTR	SETFA	AMBTR	SIDSP	HIBTR
Pest Scientific Name	Sida spinosa	Hibiscus trion>	Setaria faberi	Ambrosia trifi>	Sida spinosa	Hibiscus trion>
Pest Name	Prickly sida	Venice mallow	Giant foxtail	Giant ragweed	Prickly sida	Venice mallow
Rating Date	7/21/11	7/21/11	8/2/11	8/2/11	8/2/11	8/2/11
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%	%	%
Number of Subsamples	1	1	1	1	1	1
Rating Timing						
Days After First/Last Applic.	44 14	44 14	56 26	56 26	56 26	56 26
Trt-Eval Interval	14 DA-B	14 DA-B	26 DA-B	26 DA-B	26 DA-B	26 DA-B
Plant-Eval Interval	44 DP-1	44 DP-1	56 DP-1	56 DP-1	56 DP-1	56 DP-1
Number of Decimals	0	0	0	0	0	0

Trt No.	Treatment Name	Form Conc	Other Rate	Other Rate Unit	Appl 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	100	100	95
	2 Atrazine	4	1 qt/a		A						
	2 Laudis	3.5	3 oz/a		B						
	2 Atrazine	4	1 qt/a		B						
	2 MSO	100	0.6 qt/a		B						
	2 N-PAK AMS	100	1.5 qt/a		B						
3	Corvus	2.63	3 oz/a		A	100	100	95	100	100	93
	3 Atrazine	4	1 qt/a		A						
	3 Laudis	3.5	3 oz/a		B						
	3 Roundup PowerMax	4.5	22 oz/a		B						
	3 N-PAK AMS	100	1.5 qt/a		B						
4	Corvus	2.63	3 oz/a		A	100	100	94	98	97	92
	4 Atrazine	4	1 qt/a		A						
	4 Ignite	2.34	22 oz/a		B						
	4 Laudis	3.5	3 oz/a		B						
	4 N-PAK AMS	100	1.5 qt/a		B						
5	Corvus	2.63	3 oz/a		A	100	100	100	100	100	93
	5 Atrazine	4	1 qt/a		A						
	5 Capreno	3.46	3 oz/a		B						
	5 COC	100	0.6 qt/a		B						
	5 N-PAK AMS	100	1.5 qt/a		B						
6	Balance Flexx	2	4 oz/a		A	100	100	100	99	95	93
	6 Atrazine	4	2 pt/a		A						
	6 Laudis	3.5	3 oz/a		B						
	6 Roundup PowerMax	4.5	22 oz/a		B						
	6 N-PAK AMS	100	1.5 qt/a		B						
7	Balance Flexx	2	4 oz/a		A	100	98	95	100	100	100
	7 Atrazine	4	2 pt/a		A						
	7 Ignite	2.34	22 oz/a		B						
	7 Laudis	3.5	3 oz/a		B						
	7 N-PAK AMS	100	1.5 qt/a		B						
8	Balance Flexx	2	4 oz/a		A	100	100	100	98	100	98
	8 Atrazine	4	2 pt/a		A						
	8 Capreno	3.46	3 oz/a		B						
	8 COC	100	0.6 qt/a		B						
	8 N-PAK AMS	100	1.5 qt/a		B						
9	Lexar	3.7	2 qt/a		A	100	100	100	99	100	100
	9 Touchdown Total	4.17	24 oz/a		B						
	9 N-PAK AMS	100	1.5 qt/a		B						
10	Lexar	3.7	2 qt/a		A	100	100	100	100	100	100

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Pest Type	W Weed	W Weed	W Weed	W Weed	W Weed	W Weed						
Pest Code	SIDSP	HIBTR	SETFA	AMBTR	SIDSP	HIBTR						
Pest Scientific Name	Sida spinosa	Hibiscus trion>	Setaria faberi	Ambrosia trifi>	Sida spinosa	Hibiscus trion>						
Pest Name	Prickly sida	Venice mallow	Giant foxtail	Giant ragweed	Prickly sida	Venice mallow						
Rating Date	7/21/11	7/21/11	8/2/11	8/2/11	8/2/11	8/2/11						
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO						
Rating Unit	%	%	%	%	%	%						
Number of Subsamples	1	1	1	1	1	1						
Rating Timing												
Days After First/Last Applic.	44 14	44 14	56 26	56 26	56 26	56 26						
Trt-Eval Interval	14 DA-B	14 DA-B	26 DA-B	26 DA-B	26 DA-B	26 DA-B						
Plant-Eval Interval	44 DP-1	44 DP-1	56 DP-1	56 DP-1	56 DP-1	56 DP-1						
Number of Decimals	0	0	0	0	0	0						
Trt No.	Treatment Name	Form Conc	Other Rate	Other Rate	Unit	Appl Code	7	8	9	10	11	12
10	Halex GT	4.38	3.6	pt/a	B							
10	NIS	100	4.8	oz/a	B							
10	N-PAK AMS	100	1.5	qt/a	B							
11	Integrity	5.57	15	oz/a	A		100	100	98	100	98	100
11	Status	56	5	oz/a	B							
11	Roundup PowerMax	4.5	22	oz/a	B							
11	N-PAK AMS	100	1.5	qt/a	B							
12	Surestart	4.25	2	pt/a	A		100	93	78	85	98	100
12	Durango DMA	4	24	oz/a	B							
12	N-PAK AMS	100	1.5	qt/a	B							
13	Roundup PowerMax	4.5	22	oz/a	B		85	100	95	68	70	93
13	N-PAK AMS	100	1.5	qt/a	B							
14	Impact	2.8	0.75	oz/a	B		60	100	97	87	72	97
14	Atrazine	4	1	pt/a	B							
14	MSO	100	0.6	qt/a	B							
14	28% UAN	100	1.5	qt/a	B							
15	Roundup PowerMax	4.5	22	oz/a	B		83	100	98	95	100	100
15	Impact	2.8	0.75	oz/a	B							
15	Atrazine	4	1	pt/a	B							
15	Superb HC	100	0.3	qt/a	B							
15	28% UAN	100	1.5	qt/a	B							
16	Roundup PowerMax	4.5	22	oz/a	B		63	99	90	87	87	93
16	Impact	2.8	0.5	oz/a	B							
16	Atrazine	4	1	pt/a	B							
16	Superb HC	100	0.3	qt/a	B							
16	28% UAN	100	1.5	qt/a	B							
LSD (P=.05)		12.9	5.1				11.2	11.7	19.1	10.2		
Standard Deviation		7.8	3.0				6.7	7.0	11.4	6.1		
CV		8.92	3.25				7.44	7.92	12.93	6.73		
Bartlett's X2		2.93	15.617				11.839	25.233	15.97	4.941		
P(Bartlett's X2)		0.231	0.001*				0.159	0.001*	0.014*	0.764		
Replicate F		0.631	0.587				2.355	0.618	1.543	2.287		
Replicate Prob(F)		0.5389	0.5624				0.1122	0.5458	0.2302	0.1190		
Treatment F		35.637	202.280				40.572	38.659	14.998	47.917		
Treatment Prob(F)		0.0001	0.0001				0.0001	0.0001	0.0001	0.0001		

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Pest Type	W Weed	W Weed	W Weed	W Weed
Pest Code	SETFA	AMBTR	SIDSP	HIBTR
Pest Scientific Name	Setaria faberi	Ambrosia trifi>	Sida spinosa	Hibiscus trion>
Pest Name	Giant foxtail	Giant ragweed	Prickly sida	Venice mallow
Rating Date	8/23/11	8/23/11	8/23/11	8/23/11
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%
Number of Subsamples	1	1	1	1
Rating Timing				
Days After First/Last Applic.	77 47	77 47	77 47	77 47
Trt-Eval Interval	47 DA-B	47 DA-B	47 DA-B	47 DA-B
Plant-Eval Interval	77 DP-1	77 DP-1	77 DP-1	77 DP-1
Number of Decimals	0	0	0	0

Trt	Treatment	Form	Other	Other	Appl	13	14	15	16
No.	Name	Conc	Rate	Rate	Unit				
1	UTC					0	0	0	0
2	Corvus	2.63	3 oz/a		A	100	100	99	100
2	Atrazine	4	1 qt/a		A				
2	Laudis	3.5	3 oz/a		B				
2	Atrazine	4	1 qt/a		B				
2	MSO	100	0.6 qt/a		B				
2	N-PAK AMS	100	1.5 qt/a		B				
3	Corvus	2.63	3 oz/a		A	100	98	100	100
3	Atrazine	4	1 qt/a		A				
3	Laudis	3.5	3 oz/a		B				
3	Roundup PowerMax	4.5	22 oz/a		B				
3	N-PAK AMS	100	1.5 qt/a		B				
4	Corvus	2.63	3 oz/a		A	100	95	100	100
4	Atrazine	4	1 qt/a		A				
4	Ignite	2.34	22 oz/a		B				
4	Laudis	3.5	3 oz/a		B				
4	N-PAK AMS	100	1.5 qt/a		B				
5	Corvus	2.63	3 oz/a		A	98	100	100	100
5	Atrazine	4	1 qt/a		A				
5	Capreno	3.46	3 oz/a		B				
5	COC	100	0.6 qt/a		B				
5	N-PAK AMS	100	1.5 qt/a		B				
6	Balance Flexx	2	4 oz/a		A	100	100	100	97
6	Atrazine	4	2 pt/a		A				
6	Laudis	3.5	3 oz/a		B				
6	Roundup PowerMax	4.5	22 oz/a		B				
6	N-PAK AMS	100	1.5 qt/a		B				
7	Balance Flexx	2	4 oz/a		A	100	100	100	100
7	Atrazine	4	2 pt/a		A				
7	Ignite	2.34	22 oz/a		B				
7	Laudis	3.5	3 oz/a		B				
7	N-PAK AMS	100	1.5 qt/a		B				
8	Balance Flexx	2	4 oz/a		A	100	100	98	100
8	Atrazine	4	2 pt/a		A				
8	Capreno	3.46	3 oz/a		B				
8	COC	100	0.6 qt/a		B				
8	N-PAK AMS	100	1.5 qt/a		B				
9	Lexar	3.7	2 qt/a		A	99	100	100	100
9	Touchdown Total	4.17	24 oz/a		B				
9	N-PAK AMS	100	1.5 qt/a		B				
10	Lexar	3.7	2 qt/a		A	100	100	100	100

## Ohio State University Horticulture and Crop Science

Pest Type	W Weed	W Weed	W Weed	W Weed						
Pest Code	SETFA	AMBTR	SIDSP	HIBTR						
Pest Scientific Name	Setaria faberi	Ambrosia trifi>	Sida spinosa	Hibiscus trion>						
Pest Name	Giant foxtail	Giant ragweed	Prickly sida	Venice mallow						
Rating Date	8/23/11	8/23/11	8/23/11	8/23/11						
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO						
Rating Unit	%	%	%	%						
Number of Subsamples	1	1	1	1						
Rating Timing										
Days After First/Last Applic.	77 47	77 47	77 47	77 47						
Trt-Eval Interval	47 DA-B	47 DA-B	47 DA-B	47 DA-B						
Plant-Eval Interval	77 DP-1	77 DP-1	77 DP-1	77 DP-1						
Number of Decimals	0	0	0	0						
Trt No.	Treatment Name	Form Conc	Other Rate	Other Rate	Unit	Appl Code	13	14	15	16
10	Halex GT	4.38	3.6	pt/a	B					
10	NIS	100	4.8	oz/a	B					
10	N-PAK AMS	100	1.5	qt/a	B					
11	Integrity	5.57	15	oz/a	A		100	100	100	100
11	Status	56	5	oz/a	B					
11	Roundup PowerMax	4.5	22	oz/a	B					
11	N-PAK AMS	100	1.5	qt/a	B					
12	Surestart	4.25	2	pt/a	A		100	82	93	100
12	Durango DMA	4	24	oz/a	B					
12	N-PAK AMS	100	1.5	qt/a	B					
13	Roundup PowerMax	4.5	22	oz/a	B		100	70	87	100
13	N-PAK AMS	100	1.5	qt/a	B					
14	Impact	2.8	0.75	oz/a	B		100	98	72	95
14	Atrazine	4	1	pt/a	B					
14	MSO	100	0.6	qt/a	B					
14	28% UAN	100	1.5	qt/a	B					
15	Roundup PowerMax	4.5	22	oz/a	B		100	98	92	100
15	Impact	2.8	0.75	oz/a	B					
15	Atrazine	4	1	pt/a	B					
15	Superb HC	100	0.3	qt/a	B					
15	28% UAN	100	1.5	qt/a	B					
16	Roundup PowerMax	4.5	22	oz/a	B		100	92	93	100
16	Impact	2.8	0.5	oz/a	B					
16	Atrazine	4	1	pt/a	B					
16	Superb HC	100	0.3	qt/a	B					
16	28% UAN	100	1.5	qt/a	B					
LSD (P=.05)		1.3	12.4				10.5	4.2		
Standard Deviation		0.8	7.4				6.3	2.5		
CV		0.81	8.28				7.03	2.7		
Bartlett's X2		4.481	15.894				9.526	0.315		
P(Bartlett's X2)		0.106	0.014*				0.146	0.574		
Replicate F		2.308	2.565				1.420	2.049		
Replicate Prob(F)		0.1169	0.0937				0.2575	0.1465		
Treatment F		3234.654	34.897				47.530	292.803		
Treatment Prob(F)		0.0001	0.0001				0.0001	0.0001		

# Ohio State University Horticulture and Crop Science

## Bayer Crop Science Two Pass Weed Control Systems

Title No. 2:

Trial ID: 11BYR2PCLK      Protocol ID: 11BYR2PCLK  
Location: CLARKSBURG      Study Director: Anthony F. Dobbels  
Project ID: HP11NARBLJ      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  
SIDSP, *Sida spinosa*, = US  
HIBTR, *Hibiscus trionum*, = US

Rating Type

CONTRO = control / burndown or knockdown

Rating Unit

% = percent

Plant-Eval Interval

30 DP-1 = 1 6/7/11  
44 DP-1 = 1 6/7/11  
56 DP-1 = 1 6/7/11  
77 DP-1 = 1 6/7/11