

Ohio State University Horticulture and Crop Science

Bayer One Pass Weed Management Programs

Title No. 2:

Trial ID: 11BYR1PASS
Location: WESTERN BRANCH F-8
Project ID: HP11NARBLI

Protocol ID: 11BYR1PASS
Study Director: Anthony F. Dobbels
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 °:** 39.86008 N
State/Prov.: Ohio **Longitude of LL Corner °:** -83.67019 W
Postal Code: 45368
Country: USA

Crop Description

Crop 1: ZEAMX Zea mays Corn
Variety: Seed Consultants SC10HQ70
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/LL
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:** AMARE *Amaranthus retroflexus*
Common Name: Redroot pigweed
- Pest 4 Type:** W **Code:** SIDSP *Sida spinosa*
Common Name: Prickly sida
- Pest 5 Type:** W **Code:** ABUTH *Abutilon theophrasti*
Common Name: Velvetleaf
- Pest 6 Type:** W **Code:** CHEAL *Chenopodium album*
Common Name: Common lambsquarters
- Pest 7 Type:** W **Code:** POLPY *Persicaria pensylvanica*
Common Name: Pennsylvania smartweed
- Pest 8 Type:** W **Code:** ECHCG *Echinochloa crus-galli*
Common Name: Common barnyardgrass
- Pest 9 Type:** W **Code:** IPOHE *Ipomoea hederacea*
Common Name: Ivyleaf morningglory
- Pest10 Type:** W **Code:** SOLPT *Solanum ptycanthum*
Common Name: Eastern black nightshade

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 L 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	6/9/11	6/13/11
Time of Day:	11:15 A.M	9:00 A.M.	12:45 P.M
Application Method:	SPRAY	SPRAY	SPRAY
Application Timing:	PRE	EPO	V4
Application Placement:	BROSOL	BROFOL	BROFOL
Applied By:	Reeb	Dobbels	Dobbels
Air Temperature, Unit:	89.9 F	81 F	77 F
% Relative Humidity:	62.1	58	51
Wind Velocity, Unit:	3.8 MPH	2.5 MPH	6.8 MPH
Wind Direction:	SSW	SW	NW
Dew Presence (Y/N):	N no	N no	N no
Soil Temperature, Unit:	72 F	72 F	77 F
Soil Moisture:	GOOD	DRY	MOIST
% Cloud Cover:	2	5	40
Next Rain Occurred On:	6/3/11	6/10/11	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		BBCH		BBCH	
Stage Majority, Percent:	12	100	13	100		
Height, Unit:	4	IN	5	IN		
Height Minimum, Maximum:	3	4	4	5		

Pest Stage At Each Application

	A		B		C	
Pest 1 Code, Type, Scale:	SETFA	W	SETFA	W	SETFA	W
Stage Majority, Percent:	12	100	13	100		
Height, Unit:	1	IN	1	IN		
Height Minimum, Maximum:	0.5	1.5	0.5	1.5		
Density, Unit:	193.33	M2	193.33	M2	193.33	M2
Pest 2 Code, Type, Scale:	AMBTR	W	AMBTR	W	AMBTR	W
Stage Majority, Percent:	12	100	12	100		
Height, Unit:	1.5	IN	2	IN		
Height Minimum, Maximum:	1	2	1	2		
Density, Unit:	10.66	M2	10.66	M2	10.66	M2
Pest 3 Code, Type, Scale:	AMARE	W	AMARE	W	AMARE	W
Stage Majority, Percent:	12	100	12	100		
Height, Unit:	1	IN	1	IN		
Height Minimum, Maximum:	0.5	1	1	1		
Density, Unit:	92	M2	92	M2	92	M2
Pest 4 Code, Type, Scale:	SIDSP	W	SIDSP	W	SIDSP	W
Stage Majority, Percent:	10	100	12	100		
Height, Unit:	0.25	IN	0.5	IN		
Height Minimum, Maximum:	0.25	0.5	0.5	1		
Density, Unit:	18.66	M2	18.66	M2	18.66	M2
Pest 5 Code, Type, Scale:	ABUTH	W	ABUTH	W	ABUTH	W
Stage Majority, Percent:	10	100	12	100		
Height, Unit:	0.25	IN	0.5	IN		
Height Minimum, Maximum:	0.25	0.5	0.5	1		
Density, Unit:	2.66	M2	2.66	M2	2.66	M2
Pest 6 Code, Type, Scale:	CHEAL	W	CHEAL	W	CHEAL	W
Density, Unit:	44	M2	44	M2	44	M2
Pest 7 Code, Type, Scale:	POLPY	W	POLPY	W	POLPY	W
Density, Unit:	12	M2	12	M2	12	M2
Pest 8 Code, Type, Scale:	ECHCG	W	ECHCG	W	ECHCG	W
Density, Unit:	14.66	M2	14.66	M2	14.66	M2
Pest 9 Code, Type, Scale:	IPOHE	W	IPOHE	W	IPOHE	W
Density, Unit:	1.33	M2	1.33	M2	1.33	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
Appl. Equipment:	6 foot boom	6 foot boom	6 foot boom
Equipment Type:	SPRBAC	SPRBAC	SPRBAC
Operating Pressure, Unit:	46 PSI	46 PSI	46 PSI
Nozzle Type:	TEEJET DG	TEEJET DG	TEEJET DG
Nozzle Size:	80015	80015	80015
Nozzle Spacing, Unit:	18 IN	18 IN	18 IN
Boom Length, Unit:	6 FT	6 FT	6 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:	0.33 Gallons	0.33 Gallons	0.33 Gallons
Propellant:	CO2	CO2	CO2

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 Trial ID: 11BYR1PASS Protocol ID: 11BYR1PASS
 Location: WESTERN BRANCH F-8 Study Director: Anthony F. Dobbels
 Project ID: HP11NARBLI Investigator: Dr. Mark M. Loux
 Sponsor Contact: Dave Lamore, Bayer CropScience

Pest Type	ZEAMX			W Weed	W Weed	W Weed
Pest Code	BCOR	BCOR	BCOR	SETFA	ECHCG	AMBTR
Pest Scientific Name	Zea mays			Setaria faberi	Echinochloa cr>	Ambrosia trifi>
Pest Name	Corn			Giant foxtail	Common barnyar>	Giant ragweed
Crop Code	ZEAMX					
BBCH Scale	BCOR					
Crop Scientific Name	Zea mays					
Crop Name	Corn					
Rating Date	6/13/11	6/21/11	6/28/11	6/28/11	6/28/11	6/28/11
Rating Type	PHYGEN	PHYGEN	PHYGEN	CONTRO	CONTRO	CONTRO
Rating Unit	%			%		
Number of Subsamples	1			1		
Days After First/Last Applic.	13 4	21 8	28 15	28 15	28 15	28 15
Trt-Eval Interval	0 DA-C	8 DA-C	15 DA-C	15 DA-C	15 DA-C	15 DA-C
Plant-Eval Interval	13 DP-1	21 DP-1	28 DP-1	28 DP-1	28 DP-1	28 DP-1
Days After Emergence	7 DE-1	15 DE-1	22 DE-1	22 DE-1	22 DE-1	22 DE-1
Number of Decimals	0			0		

Trt No.	Treatment Name	Form Conc	Other Rate	Other Rate	Appl Unit Code	1	2	3	4	5	6
1	Corvus	2.63	5.6 oz/a		A	0	0	1	92	92	83
1	Atrazine	4	1.5 qt/a		A						
2	Corvus	2.63	5.6 oz/a		A	0	0	2	68	70	63
2	Sharpen	2.85	3 oz/a		A						
3	Corvus	2.63	5.6 oz/a		B	0	0	0	89	98	93
3	Atrazine	4	1.5 qt/a		B						
4	Capreno	3.46	3 oz/a		C	0	4	1	96	98	89
4	COC	100	0.6 qt/a		C						
4	N-PAK AMS	100	1.5 qt/a		C						
5	Capreno	3.46	3 oz/a		C	0	3	1	99	99	87
5	Roundup PowerMax	4.5	22 oz/a		C						
5	N-PAK AMS	100	1.5 qt/a		C						
6	Capreno	3.46	3 oz/a		C	0	3	0	98	100	94
6	Atrazine	4	1 qt/a		C						
6	Roundup PowerMax	4.5	22 oz/a		C						
6	N-PAK AMS	100	1.5 qt/a		C						
7	Lexar	3.7	3 qt/a		A	0	0	1	90	95	90
8	Lexar	3.7	3 qt/a		B	0	0	1	73	98	88
9	Halex GT	4.38	3.6 pt/a		C	0	0	1	100	100	90
9	NIS	100	4.8 oz/a		C						
9	N-PAK AMS	100	1.5 qt/a		C						
10	Surestart	4.25	3 pt/a		A	0	0	3	84	88	73
10	Atrazine	4	1.5 qt/a		A						
11	Surestart	4.25	2 pt/a		C	0	0	2	100	100	95
11	Roundup PowerMax	4.5	22 oz/a		C						
11	N-PAK AMS	100	1.5 qt/a		C						
12	Lumax	3.94	3 qt/a		A	0	0	1	93	92	70
13	Lexar	3.7	3.5 qt/a		A	0	0	2	85	89	82
14	UTC					0	0	0	0	0	0
LSD (P=.05)						0.0	0.5	2.2	13.7	10.3	13.9
Standard Deviation						0.0	0.3	1.3	8.1	6.2	8.3

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Pest Type				W Weed	W Weed	W Weed
Pest Code				SETFA	ECHCG	AMBTR
Pest Scientific Name				Setaria faberi	Echinochloa cr>	Ambrosia trifi>
Pest Name				Giant foxtail	Common barnyar>	Giant ragweed
Crop Code	ZEAMX	ZEAMX	ZEAMX			
BBCH Scale	BCOR	BCOR	BCOR			
Crop Scientific Name	Zea mays	Zea mays	Zea mays			
Crop Name	Corn	Corn	Corn			
Rating Date	6/13/11	6/21/11	6/28/11	6/28/11	6/28/11	6/28/11
Rating Type	PHYGEN	PHYGEN	PHYGEN	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%	%	%
Number of Subsamples	1	1	1	1	1	1
Days After First/Last Applic.	13 4	21 8	28 15	28 15	28 15	28 15
Trt-Eval Interval	0 DA-C	8 DA-C	15 DA-C	15 DA-C	15 DA-C	15 DA-C
Plant-Eval Interval	13 DP-1	21 DP-1	28 DP-1	28 DP-1	28 DP-1	28 DP-1
Days After Emergence	7 DE-1	15 DE-1	22 DE-1	22 DE-1	22 DE-1	22 DE-1
Number of Decimals	0	0	0	0	0	0

Trt	Treatment	Form	Other	Other	Appl						
No.	Name	Conc	Rate	Rate	Unit Code	1	2	3	4	5	6
CV		0.0	44.69	117.94					9.75	7.07	10.59
Bartlett's X2		0.0	0.0	2.746				2.746	22.079	18.454	4.944
P(Bartlett's X2)		.	.	0.987				0.987	0.024*	0.03*	0.895
Replicate F		0.000	1.000	0.014				0.014	1.692	2.654	0.647
Replicate Prob(F)		1.0000	0.3816	0.9864				0.9864	0.2038	0.0894	0.5319
Treatment F		0.000	60.019	1.549				1.549	30.295	54.757	26.113
Treatment Prob(F)		1.0000	0.0001	0.1657				0.1657	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	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	6/28/11	6/28/11	6/28/11	6/28/11	6/28/11					
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO					
Rating Unit	%	%	%	%	%					
Number of Subsamples	1	1	1	1	1					
Days After First/Last Applic.	28 15	28 15	28 15	28 15	28 15					
Trt-Eval Interval	15 DA-C	15 DA-C	15 DA-C	15 DA-C	15 DA-C					
Plant-Eval Interval	28 DP-1	28 DP-1	28 DP-1	28 DP-1	28 DP-1					
Days After Emergence	22 DE-1	22 DE-1	22 DE-1	22 DE-1	22 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
1	Corvus	2.63	5.6 oz/a		A	100	100	100	100	77
1	Atrazine	4	1.5 qt/a		A					
2	Corvus	2.63	5.6 oz/a		A	100	100	100	100	93
2	Sharpen	2.85	3 oz/a		A					
3	Corvus	2.63	5.6 oz/a		B	100	100	100	100	98
3	Atrazine	4	1.5 qt/a		B					
4	Capreno	3.46	3 oz/a		C	100	100	100	100	91
4	COC	100	0.6 qt/a		C					
4	N-PAK AMS	100	1.5 qt/a		C					
5	Capreno	3.46	3 oz/a		C	95	100	100	100	99
5	Roundup PowerMax	4.5	22 oz/a		C					
5	N-PAK AMS	100	1.5 qt/a		C					
6	Capreno	3.46	3 oz/a		C	100	100	100	100	100
6	Atrazine	4	1 qt/a		C					
6	Roundup PowerMax	4.5	22 oz/a		C					
6	N-PAK AMS	100	1.5 qt/a		C					
7	Lexar	3.7	3 qt/a		A	99	100	100	100	93
8	Lexar	3.7	3 qt/a		B	100	100	100	100	92
9	Halex GT	4.38	3.6 pt/a		C	100	100	100	100	92
9	NIS	100	4.8 oz/a		C					
9	N-PAK AMS	100	1.5 qt/a		C					
10	Surestart	4.25	3 pt/a		A	100	97	100	100	62
10	Atrazine	4	1.5 qt/a		A					
11	Surestart	4.25	2 pt/a		C	100	100	100	100	99
11	Roundup PowerMax	4.5	22 oz/a		C					
11	N-PAK AMS	100	1.5 qt/a		C					
12	Lumax	3.94	3 qt/a		A	100	100	100	100	97
13	Lexar	3.7	3.5 qt/a		A	100	100	100	100	77
14	UTC					0	0	0	0	0
LSD (P=.05)						4.0	2.6	0.0	0.0	15.9
Standard Deviation						2.4	1.5	0.0	0.0	9.5

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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					
BBCH Scale					
Crop Scientific Name					
Crop Name					
Rating Date	6/28/11	6/28/11	6/28/11	6/28/11	6/28/11
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%	%
Number of Subsamples	1	1	1	1	1
Days After First/Last Applic.	28 15	28 15	28 15	28 15	28 15
Trt-Eval Interval	15 DA-C	15 DA-C	15 DA-C	15 DA-C	15 DA-C
Plant-Eval Interval	28 DP-1	28 DP-1	28 DP-1	28 DP-1	28 DP-1
Days After Emergence	22 DE-1	22 DE-1	22 DE-1	22 DE-1	22 DE-1
Number of Decimals	0	0	0	0	0
Trt Treatment	Form Other Other	Appl			
No. Name	Conc Rate Rate Unit Code				
	7	8	9	10	11
CV	2.57	1.67	0.0	0.0	11.35
Bartlett's X2	3.755	0.0	0.0	0.0	30.19
P(Bartlett's X2)	0.053	.	.	.	0.001*
Replicate F	0.796	1.000	0.000	0.000	1.649
Replicate Prob(F)	0.4619	0.3816	1.0000	1.0000	0.2117
Treatment F	376.466	896.385	0.000	0.000	23.306
Treatment Prob(F)	0.0001	0.0001	1.0000	1.0000	0.0001

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Pest Type	W Weed	W Weed	W Weed	W Weed	W Weed	W Weed					
Pest Code	SIDSP	SETFA	ECHCG	AMBTR	CHEAL	ABUTH					
Pest Scientific Name	Sida spinosa	Setaria faberi	Echinochloa cr>	Ambrosia trifi>	Chenopodium al>	Abutilon theop>					
Pest Name	Prickly sida	Giant foxtail	Common barnyar>	Giant ragweed	Common lambsqu>	Velvetleaf					
Crop Code											
BBCH Scale											
Crop Scientific Name											
Crop Name											
Rating Date	6/28/11	7/18/11	7/18/11	7/18/11	7/18/11	7/18/11					
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO					
Rating Unit	%	%	%	%	%	%					
Number of Subsamples	1	1	1	1	1	1					
Days After First/Last Applic.	28 15	48 35	48 35	48 35	48 35	48 35					
Trt-Eval Interval	15 DA-C	35 DA-C	35 DA-C	35 DA-C	35 DA-C	35 DA-C					
Plant-Eval Interval	28 DP-1	48 DP-1	48 DP-1	48 DP-1	48 DP-1	48 DP-1					
Days After Emergence	22 DE-1	42 DE-1	42 DE-1	42 DE-1	42 DE-1	42 DE-1					
Number of Decimals	0	0	0	0	0	0					
Trt No.	Treatment Name	Form Conc	Other Rate	Other Rate	Appl Unit Code	12	13	14	15	16	17
1	Corvus	2.63	5.6 oz/a		A	100	78	85	73	100	100
1	Atrazine	4	1.5 qt/a		A						
2	Corvus	2.63	5.6 oz/a		A	97	43	53	57	92	100
2	Sharpen	2.85	3 oz/a		A						
3	Corvus	2.63	5.6 oz/a		B	100	84	91	93	100	100
3	Atrazine	4	1.5 qt/a		B						
4	Capreno	3.46	3 oz/a		C	98	87	87	83	75	100
4	COC	100	0.6 qt/a		C						
4	N-PAK AMS	100	1.5 qt/a		C						
5	Capreno	3.46	3 oz/a		C	98	88	88	80	80	100
5	Roundup PowerMax	4.5	22 oz/a		C						
5	N-PAK AMS	100	1.5 qt/a		C						
6	Capreno	3.46	3 oz/a		C	100	94	91	93	96	100
6	Atrazine	4	1 qt/a		C						
6	Roundup PowerMax	4.5	22 oz/a		C						
6	N-PAK AMS	100	1.5 qt/a		C						
7	Lexar	3.7	3 qt/a		A	100	76	72	87	100	100
8	Lexar	3.7	3 qt/a		B	100	53	77	90	100	100
9	Halex GT	4.38	3.6 pt/a		C	100	99	99	86	100	100
9	NIS	100	4.8 oz/a		C						
9	N-PAK AMS	100	1.5 qt/a		C						
10	Surestart	4.25	3 pt/a		A	100	67	60	67	93	97
10	Atrazine	4	1.5 qt/a		A						
11	Surestart	4.25	2 pt/a		C	100	97	97	88	100	100
11	Roundup PowerMax	4.5	22 oz/a		C						
11	N-PAK AMS	100	1.5 qt/a		C						
12	Lumax	3.94	3 qt/a		A	100	89	87	70	100	100
13	Lexar	3.7	3.5 qt/a		A	97	69	69	75	100	100
14	UTC					0	0	0	0	0	0
LSD (P=.05)						4.1	22.5	19.2	20.8	9.1	2.6
Standard Deviation						2.4	13.4	11.5	12.4	5.4	1.5

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Pest Type	W Weed	W Weed	W Weed	W Weed
Pest Code	AMARE	POLPY	IPHOE	SIDSP
Pest Scientific Name	Amaranthus ret>	Persicaria pen>	Ipomoea hederata>	Sida spinosa
Pest Name	Redroot pigweed	Pennsylvania s>	Ivyleaf mornin>	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
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%
Number of Subsamples	1	1	1	1
Days After First/Last Applic.	48 35	48 35	48 35	48 35
Trt-Eval Interval	35 DA-C	35 DA-C	35 DA-C	35 DA-C
Plant-Eval Interval	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
Number of Decimals	0	0	0	0

Trt No.	Treatment Name	Form Conc	Other Rate	Other Rate	Appl Unit Code	18	19	20	21
1	Corvus	2.63	5.6 oz/a		A	100	100	43	100
1	Atrazine	4	1.5 qt/a		A				
2	Corvus	2.63	5.6 oz/a		A	100	100	67	93
2	Sharpen	2.85	3 oz/a		A				
3	Corvus	2.63	5.6 oz/a		B	100	100	93	100
3	Atrazine	4	1.5 qt/a		B				
4	Capreno	3.46	3 oz/a		C	100	100	73	75
4	COC	100	0.6 qt/a		C				
4	N-PAK AMS	100	1.5 qt/a		C				
5	Capreno	3.46	3 oz/a		C	100	100	93	88
5	Roundup PowerMax	4.5	22 oz/a		C				
5	N-PAK AMS	100	1.5 qt/a		C				
6	Capreno	3.46	3 oz/a		C	100	100	100	100
6	Atrazine	4	1 qt/a		C				
6	Roundup PowerMax	4.5	22 oz/a		C				
6	N-PAK AMS	100	1.5 qt/a		C				
7	Lexar	3.7	3 qt/a		A	100	100	77	100
8	Lexar	3.7	3 qt/a		B	100	100	80	100
9	Halex GT	4.38	3.6 pt/a		C	100	100	75	100
9	NIS	100	4.8 oz/a		C				
9	N-PAK AMS	100	1.5 qt/a		C				
10	Surestart	4.25	3 pt/a		A	100	100	17	100
10	Atrazine	4	1.5 qt/a		A				
11	Surestart	4.25	2 pt/a		C	100	100	89	100
11	Roundup PowerMax	4.5	22 oz/a		C				
11	N-PAK AMS	100	1.5 qt/a		C				
12	Lumax	3.94	3 qt/a		A	100	100	73	100
13	Lexar	3.7	3.5 qt/a		A	100	100	63	97
14	UTC					0	0	0	0
LSD (P=.05)						0.0	0.0	27.7	6.2
Standard Deviation						0.0	0.0	16.5	3.7

Ohio State University Horticulture and Crop Science

Pest Type	W Weed	W Weed	W Weed	W Weed
Pest Code	AMARE	POLPY	IPOHE	SIDSP
Pest Scientific Name	Amaranthus ret>	Persicaria pen>	Ipomoea heder>	Sida spinosa
Pest Name	Redroot pigweed	Pennsylvania s>	Ivyleaf mornin>	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
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%
Number of Subsamples	1	1	1	1
Days After First/Last Applic.	48 35	48 35	48 35	48 35
Trt-Eval Interval	35 DA-C	35 DA-C	35 DA-C	35 DA-C
Plant-Eval Interval	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
Number of Decimals	0	0	0	0
Trt Treatment	Form Other Other	Appl		
No. Name	Conc Rate Rate Unit Code	18	19	20
CV		0.0	0.0	24.46
Bartlett's X2		0.0	0.0	8.534
P(Bartlett's X2)		.	.	0.665
Replicate F		0.000	0.000	0.503
Replicate Prob(F)		1.0000	1.0000	0.6106
Treatment F		0.000	0.000	9.302
Treatment Prob(F)		1.0000	1.0000	0.0001

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Bayer One Pass Weed Management Programs

Title No. 2:

Trial ID: 11BYR1PASS
Location: WESTERN BRANCH F-8
Project ID: HP11NARBLI

Protocol ID: 11BYR1PASS
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
ECHCG, *Echinochloa crus-galli*, = US
AMBTR, *Ambrosia trifida*, = US
CHEAL, *Chenopodium album*, = US
ABUTH, *Abutilon theophrasti*, = US
AMARE, *Amaranthus retroflexus*, = 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

13 DP-1 = 1 5/31/11
21 DP-1 = 1 5/31/11
28 DP-1 = 1 5/31/11
48 DP-1 = 1 5/31/11