

# Ohio State University Horticulture and Crop Science

## IGNITE BURNDOWN IN RR SOYBEANS

Title No. 2:  
 Trial ID: 10NTS2                      Protocol ID: 10NTS2  
 Location: Western Branch F-10      Study Director: Bryan Reeb  
 Project ID: 10NTS2                    Investigator: Dr. Mark M. Loux  
    Sponsor Contact: DAVE LAMORE, BAYER

### General Trial Information

**Study Director:** Bryan Reeb  
**Investigator:** Dr. Mark M. Loux

**Trial Location**

**City:** South Charleston      **Latitude of LL Corner °:** 39.85872 N  
**State/Prov.:** Ohio              **Longitude of LL Corner °:** 83.67215 W  
**Postal Code:** 45368           **Altitude of LL Corner, Unit:** 1098.00 FT  
**Country:** USA

### Personnel

**Study Director:** Bryan Reeb  
**Investigator:** Dr. Mark M. Loux

### Crop Description

**Crop 1:** GLXMA Glycine max Soybean  
**Variety:** Pioneer 93Y20              **Description:** RR  
**BBCH Scale:** BSOY                      **Planting Date:** Apr-29-2010  
**Planting Method:** SEEDED seeded      **Rate, Unit:** 196000 S/A  
**Depth, Unit:** 0.75 IN  
**Row Spacing, Unit:** 15 IN  
**Seed Bed:** NO-TIL  
**Soil Moisture:** GOOD good      **Emergence Date:** May-7-2010

### Pest Description

- Pest 1 Type:** W    **Code:** ERICA Conyza canadensis  
**Common Name:** horseweed
- Pest 2 Type:** W    **Code:** LAMPU Lamium purpureum  
**Common Name:** Purple deadnettel
- Pest 3 Type:** W    **Code:** VERAR Veronica arvensis  
**Common Name:** Corn speedwell
- Pest 4 Type:** W    **Code:** RANAB Ranunculus abortivus  
**Common Name:** Smallflower buttercup
- Pest 5 Type:** W    **Code:** AMBTR Ambrosia trifida  
**Common Name:** Giant ragweed
- Pest 6 Type:** W    **Code:** STEME Stellaria media  
**Common Name:** Common chickweed
- Pest 7 Type:** W    **Code:** CAPBP Capsella bursa-pastoris  
**Common Name:** Shepherd's purse
- Pest 8 Type:** W    **Code:** SETFA Setaria faberi  
**Common Name:** Giant foxtail
- Pest 9 Type:** W    **Code:** CHEAL Chenopodium album  
**Common Name:** Common lambsquarters

### Site and Design

**Plot Width, Unit:** 6.67 FT  
**Plot Length, Unit:** 30 FT  
**Plot Area, Unit:** 200.1 FT2  
**Replications:** 3                      **Study Design:** RACOBL Randomized Complete Block (RCB)

### Soil Description

**Description Name:** F-8 West  
**% OM:** 3.1                              **Texture:** SICL silty clay loam  
**pH:** 6.3                                  **Soil Name:** Kokomo  
**CEC:** 20                                **Fert. Level:** G good  
**Soil Drainage:** G good

**Application Description**

	A	B
Application Date:	Apr-21-2010	Jun-4-2010
Time of Day:	9:00 AM	8:30 AM
Application Method:	SPRAY	SPRAY
Application Timing:	7 EPP	EPO
Application Placement:	BROFOL	BROFOL
Air Temperature, Unit:	53 F	72.4 F
% Relative Humidity:	49	85.5
Wind Velocity, Unit:	3 MPH	4 MPH
Wind Direction:	WSW	SW
Dew Presence (Y/N):	N no	Y yes
Soil Temperature, Unit:	50 F	68 F
Soil Moisture:	DRY	WET
% Cloud Cover:	2	0
Next Rain Occurred On:	Apr-24-2010	Jun-4-2010

**Crop Stage At Each Application**

	A	B
Crop 1 Code, BBCH Scale:	GLXMA BSOY	GLXMA BSOY
Stage Scale Used:		GLXMA
Stage Majority, Percent:		BSOY
Stage Minimum, Percent:		13 100
Height, Unit:		6 IN
Height Minimum, Maximum:		4 6

**Pest Stage At Each Application**

	A		B	
Pest 1 Code, Type, Scale:	ERICA	W	ERICA	W
Stage Majority, Percent:	19	100	19	100
Diameter, Unit:	3	IN		
Height, Unit:	3	IN	12	IN
Height Minimum, Maximum:	2	3	8	14
Density, Unit:	3	M2	3	M2
Pest 2 Code, Type, Scale:	LAMPU	W	LAMPU	W
Stage Majority, Percent:	65	100		
Diameter, Unit:	6	IN		
Height, Unit:	4	IN		
Density, Unit:	6	M2		
Pest 3 Code, Type, Scale:	VERAR	W	VERAR	W
Stage Majority, Percent:	19	100		
Diameter, Unit:	6	IN		
Density, Unit:	1	M2		
Pest 4 Code, Type, Scale:	RANAB	W	RANAB	W
Stage Majority, Percent:	16	100		
Diameter, Unit:	4	IN		
Height, Unit:	4	IN		
Height Minimum, Maximum:	3	4		
Density, Unit:	0.25	M2		
Pest 5 Code, Type, Scale:	AMBTR	W	AMBTR	W
Stage Majority, Percent:	12	100	19	100
Height, Unit:	0.5	IN	12	IN
Height Minimum, Maximum:			6	18
Density, Unit:	6	M2	6	M2
Pest 6 Code, Type, Scale:	STEME	W	STEME	W
Stage Majority, Percent:	19	100		
Diameter, Unit:	12	IN		
Density, Unit:	2	M2		
Pest 7 Code, Type, Scale:	CAPBP	W	CAPBP	W
Stage Majority, Percent:	65	100		
Diameter, Unit:	7	IN		
Density, Unit:	3	M2		
Pest 8 Code, Type, Scale:	SETFA	W	SETFA	W
Stage Majority, Percent:		19	100	
Height, Unit:		5	IN	
Height Minimum, Maximum:		2	6	
Density, Unit:		90	M2	
Pest 9 Code, Type, Scale:	CHEAL	W	CHEAL	W
Stage Majority, Percent:		19	100	
Height, Unit:		6	IN	
Height Minimum, Maximum:		2	8	
Density, Unit:		10	M2	

### Application Equipment

	<b>A</b>	<b>B</b>
<b>Appl. Equipment:</b>	Backpack	Backpack
<b>Equipment Type:</b>	SPRBAC	SPRBAC
<b>Operating Pressure, Unit:</b>	52 PSI	52 PSI
<b>Nozzle Type:</b>	DG	DG
<b>Nozzle Size:</b>	8002	8002
<b>Nozzle Spacing, Unit:</b>	18 IN	18 IN
<b>Boom Length, Unit:</b>	6.67 FT	6.67 FT
<b>Boom Height, Unit:</b>	18 IN	18 IN
<b>Ground Speed, Unit:</b>	3 MPH	3 MPH
<b>Carrier:</b>	WATER	WATER
<b>Spray Volume, Unit:</b>	20 gal/ac	20 gal/ac
<b>Mix Size, Unit:</b>	0.33 gallons	0.33 gallons
<b>Propellant:</b>	COMCO2	COMCO2

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Pest Type	W Weed	W Weed	W Weed	W Weed
Pest Code	LAMPU	STEME	ERICA	CAPBP
Pest Scientific Name	Lamium purpure>	Stellaria media	Conyza canadens>	Capsella bursa>
Pest Name	Purple deadnet>	Common chickwe>	Canada horsewe>	Shepherd's pur>
Rating Date	May-4-2010	May-4-2010	May-4-2010	May-4-2010
Rating Type	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	%	%	%	%
Number of Subsamples	1	1	1	1
Days After First/Last Applic.	13 13	13 13	13 13	13 13
Trt-Eval Interval	13 DA-A	13 DA-A	13 DA-A	13 DA-A
Plant-Eval Interval	5 DP-1	5 DP-1	5 DP-1	5 DP-1
Days After Emergence	-3 DE-	-3 DE-	-3 DE-	-3 DE-
Number of Decimals	0	0	0	0

Trt No.	Treatment Name	Form Conc	Form Unit	Other Rate	Other Rate	Appl Unit	Code	1	2	3	4
1	UTC							0	0	0	0
2	Ignite	2.34 LBAE/GAL		29 oz/a		A		89	99	100	100
	2 N-pak ams	100 %		2 qt/a		A					
	2 Roundup Weathermax	4.5 LBAE/GAL		22 oz/a		B					
	2 N-pak ams	100 %		2 qt/a		B					
3	Ignite	2.34 LBAE/GAL		29 oz/a		A		80	99	100	100
	3 2,4-D Ester	4 LBAE/GAL		1 pt/a		A					
	3 N-pak ams	100 %		2 qt/a		A					
	3 Roundup Weathermax	4.5 LBAE/GAL		22 oz/a		B					
	3 N-pak ams	100 %		2 qt/a		B					
4	Ignite	2.34 LBAE/GAL		29 oz/a		A		83	99	100	100
	4 Sharpen	2.85 LBAE/GAL		1 oz/a		A					
	4 N-pak ams	100 %		2 qt/a		A					
	4 Roundup Weathermax	4.5 LBAE/GAL		22 oz/a		B					
	4 N-pak ams	100 %		2 qt/a		B					
5	Ignite	2.34 LBAE/GAL		29 oz/a		A		100	100	100	100
	5 Sencor DF	75 %AW/W		8 oz/a		A					
	5 N-pak ams	100 %		2 qt/a		A					
	5 Roundup Weathermax	4.5 LBAE/GAL		22 oz/a		B					
	5 N-pak ams	100 %		2 qt/a		B					
6	Ignite	2.34 LBAE/GAL		29 oz/a		A		100	100	100	100
	6 ENVIVE @3.5oz										
	6 Classic	25 %AW/W		1.28 oz/a		A					
	6 Thifensulfuron	50 %AW/W		0.208 oz/a		A					
	6 Valor SX	51 %AW/W		1.96 oz/a		A					
	6 N-pak ams	100 %		2 qt/a		A					
	6 Roundup Weathermax	4.5 LBAE/GAL		22 oz/a		B					
	6 N-pak ams	100 %		2 qt/a		B					
7	Ignite	2.34 LBAE/GAL		29 oz/a		A		100	100	100	100
	7 AUTHORITY ASSIST	4 LBAE/GAL		5 oz/a		A					
	7 N-pak ams	100 %		2 qt/a		A					
	7 Roundup Weathermax	4.5 LBAE/GAL		22 oz/a		B					
	7 N-pak ams	100 %		2 qt/a		B					
8	Ignite	2.34 LBAE/GAL		29 oz/a		A		100	100	100	100
	8 V10233	76 %AW/W		3 oz/a		A					
	8 N-pak ams	100 %		2 qt/a		A					
	8 Roundup Weathermax	4.5 LBAE/GAL		22 oz/a		B					
	8 N-pak ams	100 %		2 qt/a		B					
9	Roundup Weathermax	4.5 LBAE/GAL		22 oz/a		A		58	100	100	100
	9 Sharpen	2.85 LBAE/GAL		1 oz/a		A					
	9 N-pak ams	100 %		2 qt/a		A					
	9 Roundup Weathermax	4.5 LBAE/GAL		22 oz/a		B					
	9 N-pak ams	100 %		2 qt/a		B					

Pest Type	W Weed	W Weed	W Weed	W Weed			
Pest Code	LAMPU	STEME	ERICA	CAPBP			
Pest Scientific Name	Lamium purpure>	Stellaria media	Conyza canadens>	Capsella bursa>			
Pest Name	Purple deadnet>	Common chickwe>	Canada horsewe>	Shepherd's pur>			
Rating Date	May-4-2010	May-4-2010	May-4-2010	May-4-2010			
Rating Type	CONTROL	CONTROL	CONTROL	CONTROL			
Rating Unit	%	%	%	%			
Number of Subsamples	1	1	1	1			
Days After First/Last Applic.	13 13	13 13	13 13	13 13			
Trt-Eval Interval	13 DA-A	13 DA-A	13 DA-A	13 DA-A			
Plant-Eval Interval	5 DP-1	5 DP-1	5 DP-1	5 DP-1			
Days After Emergence	-3 DE-	-3 DE-	-3 DE-	-3 DE-			
Number of Decimals	0	0	0	0			
Trt Treatment No. Name	Form Form Conc Unit	Other Other Rate Rate	Appl Unit Code	1	2	3	4
10 Ignite	2.34 LBA/GAL	22 oz/a	A	93	100	100	100
10 VALOR XLT @ 3.0oz							
10 Valor SX	51 %AW/W	1.76 oz/a	A				
10 Classic	25 %AW/W	1.24 oz/a	A				
10 N-pak ams	100 %	2 qt/a	A				
10 Roundup Weathermax	4.5 LBAE/GAL	22 oz/a	B				
10 N-pak ams	100 %	2 qt/a	B				
11 Ignite	2.34 LBA/GAL	22 oz/a	A	89	98	100	100
11 Prefix	5.29 LBA/GAL	2 pt/a	A				
11 N-pak ams	100 %	2 qt/a	A				
11 Roundup Weathermax	4.5 LBAE/GAL	22 oz/a	B				
11 N-pak ams	100 %	2 qt/a	B				
12 Ignite	2.34 LBA/GAL	29 oz/a	A	80	99	100	100
12 Sharpen	2.85 LBA/GAL	0.5 oz/a	A				
12 N-pak ams	100 %	2 qt/a	A				
12 Roundup Weathermax	4.5 LBAE/GAL	22 oz/a	B				
12 N-pak ams	100 %	2 qt/a	B				
13 Ignite	2.34 LBA/GAL	22 oz/a	A	78	100	100	100
13 Sharpen	2.85 LBA/GAL	1 oz/a	A				
13 N-pak ams	100 %	2 qt/a	A				
13 Roundup Weathermax	4.5 LBAE/GAL	22 oz/a	B				
13 N-pak ams	100 %	2 qt/a	B				
14 Ignite	2.34 LBA/GAL	32 oz/a	A	100	100	100	100
14 Sencor DF	75 %AW/W	4 oz/a	A				
14 N-pak ams	100 %	2 qt/a	A				
14 Roundup Weathermax	4.5 LBAE/GAL	22 oz/a	B				
14 N-pak ams	100 %	2 qt/a	B				
15 Ignite	2.34 LBA/GAL	22 oz/a	A	98	100	100	100
15 Sharpen	2.85 LBA/GAL	1 oz/a	A				
15 Sencor DF	75 %AW/W	8 oz/a	A				
15 N-pak ams	100 %	2 qt/a	A				
15 Roundup Weathermax	4.5 LBAE/GAL	22 oz/a	B				
15 N-pak ams	100 %	2 qt/a	B				
16 VALOR XLT @ 3.5oz				99	100	100	100
16 Valor SX	51 %AW/W	2.05 oz/a	A				
16 Classic	25 %AW/W	1.45 oz/a	A				
16 Roundup Power Max	4.5 LBAE/GAL	22 oz/a	A				
16 2,4-D	4 LBA/GAL	1 pt/a	A				
16 N-pak ams	100 %	2 qt/a	A				
16 Roundup Power Max	4.5 LBAE/GAL	22 oz/a	B				
16 N-pak ams	100 %	2 qt/a	B				
LSD (P=.05)				12.3	1.4	0.0	0.0
Standard Deviation				7.3	0.8	0.0	0.0
CV				8.73	0.88	0.0	0.0
Bartlett's X2				9.252	3.346	0.0	0.0
P(Bartlett's X2)				0.414	0.502	.	.
Replicate F				4.718	5.205	0.000	0.000
Replicate Prob(F)				0.0165	0.0115	1.0000	1.0000
Treatment F				35.593	2757.058	0.000	0.000
Treatment Prob(F)				0.0001	0.0001	1.0000	1.0000

Pest Type	W Weed	W Weed	W Weed	W Weed
Pest Code	VERPG	VERAG	AMBTR	LAMPU
Pest Scientific Name	Veronica peregrina	Veronica agrestis	Ambrosia trifida	Lamium purpureum
Pest Name	Purslane speedwell	Field speedwell	Giant ragweed	Purple deadnettle
Rating Date	May-4-2010	May-4-2010	May-4-2010	May-24-2010
Rating Type	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	%	%	%	%
Number of Subsamples	1	1	1	1
Days After First/Last Applic.	13	13	13	33
Trt-Eval Interval	13 DA-A	13 DA-A	13 DA-A	33 DA-A
Plant-Eval Interval	5 DP-1	5 DP-1	5 DP-1	25 DP-1
Days After Emergence	-3 DE-	-3 DE-	-3 DE-	17 DE-
Number of Decimals	0	0	0	0

Trt No.	Treatment Name	Form Conc	Form Unit	Other Rate	Other Unit	Appl Code	5	6	7	8
1	UTC						0	0	0	1
2	Ignite	2.34 LBAE/GAL		29 oz/a		A	100	100	100	67
	2 N-pak ams	100 %		2 qt/a		A				
	2 Roundup Weathermax	4.5 LBAE/GAL		22 oz/a		B				
	2 N-pak ams	100 %		2 qt/a		B				
3	Ignite	2.34 LBAE/GAL		29 oz/a		A	100	100	100	66
	3 2,4-D Ester	4 LBAE/GAL		1 pt/a		A				
	3 N-pak ams	100 %		2 qt/a		A				
	3 Roundup Weathermax	4.5 LBAE/GAL		22 oz/a		B				
	3 N-pak ams	100 %		2 qt/a		B				
4	Ignite	2.34 LBAE/GAL		29 oz/a		A	100	100	100	60
	4 Sharpen	2.85 LBAE/GAL		1 oz/a		A				
	4 N-pak ams	100 %		2 qt/a		A				
	4 Roundup Weathermax	4.5 LBAE/GAL		22 oz/a		B				
	4 N-pak ams	100 %		2 qt/a		B				
5	Ignite	2.34 LBAE/GAL		29 oz/a		A	100	100	100	100
	5 Sencor DF	75 %AW/W		8 oz/a		A				
	5 N-pak ams	100 %		2 qt/a		A				
	5 Roundup Weathermax	4.5 LBAE/GAL		22 oz/a		B				
	5 N-pak ams	100 %		2 qt/a		B				
6	Ignite	2.34 LBAE/GAL		29 oz/a		A	100	100	100	100
	6 ENVIVE @3.5oz									
	6 Classic	25 %AW/W		1.28 oz/a		A				
	6 Thifensulfuron	50 %AW/W		0.208 oz/a		A				
	6 Valor SX	51 %AW/W		1.96 oz/a		A				
	6 N-pak ams	100 %		2 qt/a		A				
	6 Roundup Weathermax	4.5 LBAE/GAL		22 oz/a		B				
	6 N-pak ams	100 %		2 qt/a		B				
7	Ignite	2.34 LBAE/GAL		29 oz/a		A	100	100	100	95
	7 AUTHORITY ASSIST	4 LBAE/GAL		5 oz/a		A				
	7 N-pak ams	100 %		2 qt/a		A				
	7 Roundup Weathermax	4.5 LBAE/GAL		22 oz/a		B				
	7 N-pak ams	100 %		2 qt/a		B				
8	Ignite	2.34 LBAE/GAL		29 oz/a		A	100	100	100	100
	8 V10233	76 %AW/W		3 oz/a		A				
	8 N-pak ams	100 %		2 qt/a		A				
	8 Roundup Weathermax	4.5 LBAE/GAL		22 oz/a		B				
	8 N-pak ams	100 %		2 qt/a		B				
9	Roundup Weathermax	4.5 LBAE/GAL		22 oz/a		A	100	100	100	93
	9 Sharpen	2.85 LBAE/GAL		1 oz/a		A				
	9 N-pak ams	100 %		2 qt/a		A				
	9 Roundup Weathermax	4.5 LBAE/GAL		22 oz/a		B				
	9 N-pak ams	100 %		2 qt/a		B				

Pest Type	W Weed	W Weed	W Weed	W Weed
Pest Code	VERPG	VERAG	AMBTR	LAMPU
Pest Scientific Name	Veronica peregrina	Veronica agrestis	Ambrosia trifida	Lamium purpureum
Pest Name	Purslane speedwell	Field speedwell	Giant ragweed	Purple deadnettle
Rating Date	May-4-2010	May-4-2010	May-4-2010	May-24-2010
Rating Type	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	%	%	%	%
Number of Subsamples	1	1	1	1
Days After First/Last Applic.	13 13	13 13	13 13	33 33
Trt-Eval Interval	13 DA-A	13 DA-A	13 DA-A	33 DA-A
Plant-Eval Interval	5 DP-1	5 DP-1	5 DP-1	25 DP-1
Days After Emergence	-3 DE-	-3 DE-	-3 DE-	17 DE-
Number of Decimals	0	0	0	0

Trt No.	Treatment Name	Form Conc	Form Unit	Other Rate	Other Unit	Appl Code	5	6	7	8
10	Ignite	2.34 LBA/GAL		22 oz/a		A	100	100	100	90
10	VALOR XLT @ 3.0oz									
10	Valor SX	51 %AW/W		1.76 oz/a		A				
10	Classic	25 %AW/W		1.24 oz/a		A				
10	N-pak ams	100 %		2 qt/a		A				
10	Roundup Weathermax	4.5 LBAE/GAL		22 oz/a		B				
10	N-pak ams	100 %		2 qt/a		B				
11	Ignite	2.34 LBA/GAL		22 oz/a		A	100	100	100	63
11	Prefix	5.29 LBA/GAL		2 pt/a		A				
11	N-pak ams	100 %		2 qt/a		A				
11	Roundup Weathermax	4.5 LBAE/GAL		22 oz/a		B				
11	N-pak ams	100 %		2 qt/a		B				
12	Ignite	2.34 LBA/GAL		29 oz/a		A	100	100	100	62
12	Sharpen	2.85 LBA/GAL		0.5 oz/a		A				
12	N-pak ams	100 %		2 qt/a		A				
12	Roundup Weathermax	4.5 LBAE/GAL		22 oz/a		B				
12	N-pak ams	100 %		2 qt/a		B				
13	Ignite	2.34 LBA/GAL		22 oz/a		A	100	100	100	70
13	Sharpen	2.85 LBA/GAL		1 oz/a		A				
13	N-pak ams	100 %		2 qt/a		A				
13	Roundup Weathermax	4.5 LBAE/GAL		22 oz/a		B				
13	N-pak ams	100 %		2 qt/a		B				
14	Ignite	2.34 LBA/GAL		32 oz/a		A	100	100	100	100
14	Sencor DF	75 %AW/W		4 oz/a		A				
14	N-pak ams	100 %		2 qt/a		A				
14	Roundup Weathermax	4.5 LBAE/GAL		22 oz/a		B				
14	N-pak ams	100 %		2 qt/a		B				
15	Ignite	2.34 LBA/GAL		22 oz/a		A	100	100	100	100
15	Sharpen	2.85 LBA/GAL		1 oz/a		A				
15	Sencor DF	75 %AW/W		8 oz/a		A				
15	N-pak ams	100 %		2 qt/a		A				
15	Roundup Weathermax	4.5 LBAE/GAL		22 oz/a		B				
15	N-pak ams	100 %		2 qt/a		B				
16	VALOR XLT @ 3.5oz						100	100	100	100
16	Valor SX	51 %AW/W		2.05 oz/a		A				
16	Classic	25 %AW/W		1.45 oz/a		A				
16	Roundup Power Max	4.5 LBAE/GAL		22 oz/a		A				
16	2,4-D	4 LBA/GAL		1 pt/a		A				
16	N-pak ams	100 %		2 qt/a		A				
16	Roundup Power Max	4.5 LBAE/GAL		22 oz/a		B				
16	N-pak ams	100 %		2 qt/a		B				
LSD (P=.05)							0.0	0.0	0.0	21.8
Standard Deviation							0.0	0.0	0.0	13.0
CV							0.0	0.0	0.0	16.43
Bartlett's X2							0.0	0.0	0.0	5.622
P(Bartlett's X2)							.	.	.	0.689
Replicate F							0.000	0.000	0.000	0.224
Replicate Prob(F)							1.0000	1.0000	1.0000	0.8005
Treatment F							0.000	0.000	0.000	12.639
Treatment Prob(F)							1.0000	1.0000	1.0000	0.0001

Pest Type	W Weed	W Weed	W Weed	W Weed
Pest Code	STEME	ERICA	CAPBP	VERPG
Pest Scientific Name	Stellaria media	Conyza canadensis	Capsella bursa	Veronica peregrina
Pest Name	Common chickweed	Canada horseweed	Shepherd's purse	Purslane speedwell
Rating Date	May-24-2010	May-24-2010	May-24-2010	May-24-2010
Rating Type	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	%	%	%	%
Number of Subsamples	1	1	1	1
Days After First/Last Applic.	33 33	33 33	33 33	33 33
Trt-Eval Interval	33 DA-A	33 DA-A	33 DA-A	33 DA-A
Plant-Eval Interval	25 DP-1	25 DP-1	25 DP-1	25 DP-1
Days After Emergence	17 DE-	17 DE-	17 DE-	17 DE-
Number of Decimals	0	0	0	0

Trt No.	Treatment Name	Form Conc	Form Unit	Other Rate	Other Unit	Appl Code	9	10	11	12
1	UTC						0	0	0	0
2	Ignite	2.34 LBAE/GAL		29 oz/a		A	73	100	95	100
	2 N-pak ams	100 %		2 qt/a		A				
	2 Roundup Weathermax	4.5 LBAE/GAL		22 oz/a		B				
	2 N-pak ams	100 %		2 qt/a		B				
3	Ignite	2.34 LBAE/GAL		29 oz/a		A	77	100	94	97
	3 2,4-D Ester	4 LBAE/GAL		1 pt/a		A				
	3 N-pak ams	100 %		2 qt/a		A				
	3 Roundup Weathermax	4.5 LBAE/GAL		22 oz/a		B				
	3 N-pak ams	100 %		2 qt/a		B				
4	Ignite	2.34 LBAE/GAL		29 oz/a		A	87	97	93	95
	4 Sharpen	2.85 LBAE/GAL		1 oz/a		A				
	4 N-pak ams	100 %		2 qt/a		A				
	4 Roundup Weathermax	4.5 LBAE/GAL		22 oz/a		B				
	4 N-pak ams	100 %		2 qt/a		B				
5	Ignite	2.34 LBAE/GAL		29 oz/a		A	100	100	100	100
	5 Sencor DF	75 %AW/W		8 oz/a		A				
	5 N-pak ams	100 %		2 qt/a		A				
	5 Roundup Weathermax	4.5 LBAE/GAL		22 oz/a		B				
	5 N-pak ams	100 %		2 qt/a		B				
6	Ignite	2.34 LBAE/GAL		29 oz/a		A	100	100	100	100
	6 ENVIVE @3.5oz									
	6 Classic	25 %AW/W		1.28 oz/a		A				
	6 Thifensulfuron	50 %AW/W		0.208 oz/a		A				
	6 Valor SX	51 %AW/W		1.96 oz/a		A				
	6 N-pak ams	100 %		2 qt/a		A				
	6 Roundup Weathermax	4.5 LBAE/GAL		22 oz/a		B				
	6 N-pak ams	100 %		2 qt/a		B				
7	Ignite	2.34 LBAE/GAL		29 oz/a		A	88	100	100	100
	7 AUTHORITY ASSIST	4 LBAE/GAL		5 oz/a		A				
	7 N-pak ams	100 %		2 qt/a		A				
	7 Roundup Weathermax	4.5 LBAE/GAL		22 oz/a		B				
	7 N-pak ams	100 %		2 qt/a		B				
8	Ignite	2.34 LBAE/GAL		29 oz/a		A	100	93	93	100
	8 V10233	76 %AW/W		3 oz/a		A				
	8 N-pak ams	100 %		2 qt/a		A				
	8 Roundup Weathermax	4.5 LBAE/GAL		22 oz/a		B				
	8 N-pak ams	100 %		2 qt/a		B				
9	Roundup Weathermax	4.5 LBAE/GAL		22 oz/a		A	100	87	100	100
	9 Sharpen	2.85 LBAE/GAL		1 oz/a		A				
	9 N-pak ams	100 %		2 qt/a		A				
	9 Roundup Weathermax	4.5 LBAE/GAL		22 oz/a		B				
	9 N-pak ams	100 %		2 qt/a		B				



Pest Type	W Weed	W Weed	W Weed	W Weed							
Pest Code	STEME	ERICA	CAPBP	VERPG							
Pest Scientific Name	Stellaria media	Conyza canadensis	Capsella bursa-pastoris	Veronica peregrina							
Pest Name	Common chickweed	Canada horseweed	Shepherd's purse	Purslane speedwell							
Rating Date	May-24-2010	May-24-2010	May-24-2010	May-24-2010							
Rating Type	CONTROL	CONTROL	CONTROL	CONTROL							
Rating Unit	%	%	%	%							
Number of Subsamples	1	1	1	1							
Days After First/Last Applic.	33 33	33 33	33 33	33 33							
Trt-Eval Interval	33 DA-A	33 DA-A	33 DA-A	33 DA-A							
Plant-Eval Interval	25 DP-1	25 DP-1	25 DP-1	25 DP-1							
Days After Emergence	17 DE-	17 DE-	17 DE-	17 DE-							
Number of Decimals	0	0	0	0							
Trt No.	Treatment Name	Form Conc	Form Unit	Other Rate	Other Rate	Appl Unit	Code	9	10	11	12
10	Ignite	2.34	LBA/GAL	22	oz/a	A		97	93	95	100
10	VALOR XLT @ 3.0oz										
10	Valor SX	51	%AW/W	1.76	oz/a	A					
10	Classic	25	%AW/W	1.24	oz/a	A					
10	N-pak ams	100	%	2	qt/a	A					
10	Roundup Weathermax	4.5	LBAE/GAL	22	oz/a	B					
10	N-pak ams	100	%	2	qt/a	B					
11	Ignite	2.34	LBA/GAL	22	oz/a	A		58	93	100	100
11	Prefix	5.29	LBA/GAL	2	pt/a	A					
11	N-pak ams	100	%	2	qt/a	A					
11	Roundup Weathermax	4.5	LBAE/GAL	22	oz/a	B					
11	N-pak ams	100	%	2	qt/a	B					
12	Ignite	2.34	LBA/GAL	29	oz/a	A		95	85	95	92
12	Sharpen	2.85	LBA/GAL	0.5	oz/a	A					
12	N-pak ams	100	%	2	qt/a	A					
12	Roundup Weathermax	4.5	LBAE/GAL	22	oz/a	B					
12	N-pak ams	100	%	2	qt/a	B					
13	Ignite	2.34	LBA/GAL	22	oz/a	A		82	100	100	98
13	Sharpen	2.85	LBA/GAL	1	oz/a	A					
13	N-pak ams	100	%	2	qt/a	A					
13	Roundup Weathermax	4.5	LBAE/GAL	22	oz/a	B					
13	N-pak ams	100	%	2	qt/a	B					
14	Ignite	2.34	LBA/GAL	32	oz/a	A		100	100	100	100
14	Sencor DF	75	%AW/W	4	oz/a	A					
14	N-pak ams	100	%	2	qt/a	A					
14	Roundup Weathermax	4.5	LBAE/GAL	22	oz/a	B					
14	N-pak ams	100	%	2	qt/a	B					
15	Ignite	2.34	LBA/GAL	22	oz/a	A		100	100	100	100
15	Sharpen	2.85	LBA/GAL	1	oz/a	A					
15	Sencor DF	75	%AW/W	8	oz/a	A					
15	N-pak ams	100	%	2	qt/a	A					
15	Roundup Weathermax	4.5	LBAE/GAL	22	oz/a	B					
15	N-pak ams	100	%	2	qt/a	B					
16	VALOR XLT @ 3.5oz							100	100	100	100
16	Valor SX	51	%AW/W	2.05	oz/a	A					
16	Classic	25	%AW/W	1.45	oz/a	A					
16	Roundup Power Max	4.5	LBAE/GAL	22	oz/a	A					
16	2,4-D	4	LBA/GAL	1	pt/a	A					
16	N-pak ams	100	%	2	qt/a	A					
16	Roundup Power Max	4.5	LBAE/GAL	22	oz/a	B					
16	N-pak ams	100	%	2	qt/a	B					
LSD (P=.05)								22.1	14.2	9.5	6.4
Standard Deviation								13.3	8.5	5.7	3.8
CV								15.65	9.39	6.21	4.12
Bartlett's X2								9.289	3.569	0.361	2.965
P(Bartlett's X2)								0.233	0.613	0.996	0.397
Replicate F								0.548	0.646	0.196	1.160
Replicate Prob(F)								0.5838	0.5312	0.8233	0.3271
Treatment F								11.333	25.224	56.081	126.787
Treatment Prob(F)								0.0001	0.0001	0.0001	0.0001

Pest Type	W Weed	W Weed	W Weed	W Weed
Pest Code	VERAG	AMBTR	STEME	CAPBP
Pest Scientific Name	Veronica agres>	Ambrosia trifi>	Stellaria media	Capsella bursa>
Pest Name	Field speedwell	Giant ragweed	Common chickwe>	Shepherd's pur>
Rating Date	May-24-2010	May-24-2010	Jun-3-2010	Jun-3-2010
Rating Type	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	%	%	%	%
Number of Subsamples	1	1	1	1
Days After First/Last Applic.	33 33	33 33	43 43	43 43
Trt-Eval Interval	33 DA-A	33 DA-A	43 DA-A	43 DA-A
Plant-Eval Interval	25 DP-1	25 DP-1	35 DP-1	35 DP-1
Days After Emergence	17 DE-	17 DE-	27 DE-	27 DE-
Number of Decimals	0	0	0	0

Trt No.	Treatment Name	Form Conc	Form Unit	Other Rate	Other Rate	Appl Unit	Code	13	14	15	16
1	UTC							0	0	0	0
2	Ignite	2.34 LBA/GAL		29 oz/a		A		95	95	78	83
	2 N-pak ams	100 %		2 qt/a		A					
	2 Roundup Weathermax	4.5 LBAE/GAL		22 oz/a		B					
	2 N-pak ams	100 %		2 qt/a		B					
3	Ignite	2.34 LBA/GAL		29 oz/a		A		100	92	80	88
	3 2,4-D Ester	4 LBA/GAL		1 pt/a		A					
	3 N-pak ams	100 %		2 qt/a		A					
	3 Roundup Weathermax	4.5 LBAE/GAL		22 oz/a		B					
	3 N-pak ams	100 %		2 qt/a		B					
4	Ignite	2.34 LBA/GAL		29 oz/a		A		97	100	92	93
	4 Sharpen	2.85 LBA/GAL		1 oz/a		A					
	4 N-pak ams	100 %		2 qt/a		A					
	4 Roundup Weathermax	4.5 LBAE/GAL		22 oz/a		B					
	4 N-pak ams	100 %		2 qt/a		B					
5	Ignite	2.34 LBA/GAL		29 oz/a		A		100	100	100	100
	5 Sencor DF	75 %AW/W		8 oz/a		A					
	5 N-pak ams	100 %		2 qt/a		A					
	5 Roundup Weathermax	4.5 LBAE/GAL		22 oz/a		B					
	5 N-pak ams	100 %		2 qt/a		B					
6	Ignite	2.34 LBA/GAL		29 oz/a		A		100	100	100	100
	6 ENVIVE @3.5oz										
	6 Classic	25 %AW/W		1.28 oz/a		A					
	6 Thifensulfuron	50 %AW/W		0.208 oz/a		A					
	6 Valor SX	51 %AW/W		1.96 oz/a		A					
	6 N-pak ams	100 %		2 qt/a		A					
	6 Roundup Weathermax	4.5 LBAE/GAL		22 oz/a		B					
	6 N-pak ams	100 %		2 qt/a		B					
7	Ignite	2.34 LBA/GAL		29 oz/a		A		95	95	92	97
	7 AUTHORITY ASSIST	4 LBA/GAL		5 oz/a		A					
	7 N-pak ams	100 %		2 qt/a		A					
	7 Roundup Weathermax	4.5 LBAE/GAL		22 oz/a		B					
	7 N-pak ams	100 %		2 qt/a		B					
8	Ignite	2.34 LBA/GAL		29 oz/a		A		100	100	100	100
	8 V10233	76 %AW/W		3 oz/a		A					
	8 N-pak ams	100 %		2 qt/a		A					
	8 Roundup Weathermax	4.5 LBAE/GAL		22 oz/a		B					
	8 N-pak ams	100 %		2 qt/a		B					
9	Roundup Weathermax	4.5 LBAE/GAL		22 oz/a		A		100	97	100	98
	9 Sharpen	2.85 LBA/GAL		1 oz/a		A					
	9 N-pak ams	100 %		2 qt/a		A					
	9 Roundup Weathermax	4.5 LBAE/GAL		22 oz/a		B					
	9 N-pak ams	100 %		2 qt/a		B					

Pest Type	W Weed	W Weed	W Weed	W Weed							
Pest Code	VERAG	AMBTR	STEME	CAPBP							
Pest Scientific Name	Veronica agres>	Ambrosia trifi>	Stellaria media	Capsella bursa>							
Pest Name	Field speedwell	Giant ragweed	Common chickwe>	Shepherd's pur>							
Rating Date	May-24-2010	May-24-2010	Jun-3-2010	Jun-3-2010							
Rating Type	CONTROL	CONTROL	CONTROL	CONTROL							
Rating Unit	%	%	%	%							
Number of Subsamples	1	1	1	1							
Days After First/Last Applic.	33 33	33 33	43 43	43 43							
Trt-Eval Interval	33 DA-A	33 DA-A	43 DA-A	43 DA-A							
Plant-Eval Interval	25 DP-1	25 DP-1	35 DP-1	35 DP-1							
Days After Emergence	17 DE-	17 DE-	27 DE-	27 DE-							
Number of Decimals	0	0	0	0							
Trt No.	Treatment Name	Form Conc	Form Unit	Other Rate	Other Rate	Appl Unit	Code	13	14	15	16
10	Ignite	2.34	LBA/GAL	22 oz/a		A		100	100	97	98
10	VALOR XLT @ 3.0oz										
10	Valor SX	51 %	AW/W	1.76 oz/a		A					
10	Classic	25 %	AW/W	1.24 oz/a		A					
10	N-pak ams	100 %		2 qt/a		A					
10	Roundup Weathermax	4.5	LBAE/GAL	22 oz/a		B					
10	N-pak ams	100 %		2 qt/a		B					
11	Ignite	2.34	LBA/GAL	22 oz/a		A		82	95	60	98
11	Prefix	5.29	LBA/GAL	2 pt/a		A					
11	N-pak ams	100 %		2 qt/a		A					
11	Roundup Weathermax	4.5	LBAE/GAL	22 oz/a		B					
11	N-pak ams	100 %		2 qt/a		B					
12	Ignite	2.34	LBA/GAL	29 oz/a		A		98	100	83	85
12	Sharpen	2.85	LBA/GAL	0.5 oz/a		A					
12	N-pak ams	100 %		2 qt/a		A					
12	Roundup Weathermax	4.5	LBAE/GAL	22 oz/a		B					
12	N-pak ams	100 %		2 qt/a		B					
13	Ignite	2.34	LBA/GAL	22 oz/a		A		98	93	92	98
13	Sharpen	2.85	LBA/GAL	1 oz/a		A					
13	N-pak ams	100 %		2 qt/a		A					
13	Roundup Weathermax	4.5	LBAE/GAL	22 oz/a		B					
13	N-pak ams	100 %		2 qt/a		B					
14	Ignite	2.34	LBA/GAL	32 oz/a		A		100	92	100	100
14	Sencor DF	75 %	AW/W	4 oz/a		A					
14	N-pak ams	100 %		2 qt/a		A					
14	Roundup Weathermax	4.5	LBAE/GAL	22 oz/a		B					
14	N-pak ams	100 %		2 qt/a		B					
15	Ignite	2.34	LBA/GAL	22 oz/a		A		100	100	100	100
15	Sharpen	2.85	LBA/GAL	1 oz/a		A					
15	Sencor DF	75 %	AW/W	8 oz/a		A					
15	N-pak ams	100 %		2 qt/a		A					
15	Roundup Weathermax	4.5	LBAE/GAL	22 oz/a		B					
15	N-pak ams	100 %		2 qt/a		B					
16	VALOR XLT @ 3.5oz							100	98	100	100
16	Valor SX	51 %	AW/W	2.05 oz/a		A					
16	Classic	25 %	AW/W	1.45 oz/a		A					
16	Roundup Power Max	4.5	LBAE/GAL	22 oz/a		A					
16	2,4-D	4	LBA/GAL	1 pt/a		A					
16	N-pak ams	100 %		2 qt/a		A					
16	Roundup Power Max	4.5	LBAE/GAL	22 oz/a		B					
16	N-pak ams	100 %		2 qt/a		B					
LSD (P=.05)								6.1	11.5	19.2	10.3
Standard Deviation								3.6	6.9	11.5	6.2
CV								3.98	7.56	13.45	6.87
Bartlett's X2								11.872	4.502	10.227	15.795
P(Bartlett's X2)								0.065	0.72	0.176	0.045*
Replicate F								0.757	0.551	4.130	0.491
Replicate Prob(F)								0.4780	0.5828	0.0260	0.6169
Treatment F								139.820	37.888	14.637	47.680
Treatment Prob(F)								0.0001	0.0001	0.0001	0.0001

Pest Type	W Weed	W Weed	W Weed	W Weed	W Weed
Pest Code	VERAG	ERICA	AMBTR	SETFA	CHEAL
Pest Scientific Name	Veronica agres>	Conyza canad>	Ambrosia trifi>	Setaria faberi	Chenopodium al>
Pest Name	Field speedwell	Canada horsewe>	Giant ragweed	Giant foxtail	Common lambsqu>
Rating Date	Jun-3-2010	Jun-3-2010	Jun-3-2010	Jun-3-2010	Jun-3-2010
Rating Type	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	%	%	%	%	%
Number of Subsamples	1	1	1	1	1
Days After First/Last Applic.	43 43	43 43	43 43	43 43	43 43
Trt-Eval Interval	43 DA-A	43 DA-A	43 DA-A	43 DA-A	43 DA-A
Plant-Eval Interval	35 DP-1	35 DP-1	35 DP-1	35 DP-1	35 DP-1
Days After Emergence	27 DE-	27 DE-	27 DE-	27 DE-	27 DE-
Number of Decimals	0	0	0	0	0

Trt	Treatment	Form Form	Other Other	Appl	17	18	19	20	21
No.	Name	Conc Unit	Rate Rate	Unit Code					
1	UTC				0	0	0	0	0
2	Ignite	2.34 LBA/GAL	29 oz/a	A	98	87	40	23	96
	2 N-pak ams	100 %	2 qt/a	A					
	2 Roundup Weathermax	4.5 LBAE/GAL	22 oz/a	B					
	2 N-pak ams	100 %	2 qt/a	B					
3	Ignite	2.34 LBA/GAL	29 oz/a	A	100	68	65	7	33
	3 2,4-D Ester	4 LBA/GAL	1 pt/a	A					
	3 N-pak ams	100 %	2 qt/a	A					
	3 Roundup Weathermax	4.5 LBAE/GAL	22 oz/a	B					
	3 N-pak ams	100 %	2 qt/a	B					
4	Ignite	2.34 LBA/GAL	29 oz/a	A	73	83	75	13	75
	4 Sharpen	2.85 LBA/GAL	1 oz/a	A					
	4 N-pak ams	100 %	2 qt/a	A					
	4 Roundup Weathermax	4.5 LBAE/GAL	22 oz/a	B					
	4 N-pak ams	100 %	2 qt/a	B					
5	Ignite	2.34 LBA/GAL	29 oz/a	A	100	100	90	17	60
	5 Sencor DF	75 %AW/W	8 oz/a	A					
	5 N-pak ams	100 %	2 qt/a	A					
	5 Roundup Weathermax	4.5 LBAE/GAL	22 oz/a	B					
	5 N-pak ams	100 %	2 qt/a	B					
6	Ignite	2.34 LBA/GAL	29 oz/a	A	100	100	92	82	100
	6 ENVIVE @3.5oz								
	6 Classic	25 %AW/W	1.28 oz/a	A					
	6 Thifensulfuron	50 %AW/W	0.208 oz/a	A					
	6 Valor SX	51 %AW/W	1.96 oz/a	A					
	6 N-pak ams	100 %	2 qt/a	A					
	6 Roundup Weathermax	4.5 LBAE/GAL	22 oz/a	B					
	6 N-pak ams	100 %	2 qt/a	B					
7	Ignite	2.34 LBA/GAL	29 oz/a	A	95	85	83	85	100
	7 AUTHORITY ASSIST	4 LBA/GAL	5 oz/a	A					
	7 N-pak ams	100 %	2 qt/a	A					
	7 Roundup Weathermax	4.5 LBAE/GAL	22 oz/a	B					
	7 N-pak ams	100 %	2 qt/a	B					
8	Ignite	2.34 LBA/GAL	29 oz/a	A	100	85	90	78	98
	8 V10233	76 %AW/W	3 oz/a	A					
	8 N-pak ams	100 %	2 qt/a	A					
	8 Roundup Weathermax	4.5 LBAE/GAL	22 oz/a	B					
	8 N-pak ams	100 %	2 qt/a	B					
9	Roundup Weathermax	4.5 LBAE/GAL	22 oz/a	A	100	73	65	10	67
	9 Sharpen	2.85 LBA/GAL	1 oz/a	A					
	9 N-pak ams	100 %	2 qt/a	A					
	9 Roundup Weathermax	4.5 LBAE/GAL	22 oz/a	B					
	9 N-pak ams	100 %	2 qt/a	B					

Pest Type	W Weed	W Weed	W Weed	W Weed	W Weed			
Pest Code	VERAG	ERICA	AMBTR	SETFA	CHEAL			
Pest Scientific Name	Veronica agres>	Conyza canad>	Ambrosia trifi>	Setaria faberi	Chenopodium al>			
Pest Name	Field speedwell	Canada horsewe>	Giant ragweed	Giant foxtail	Common lambsqu>			
Rating Date	Jun-3-2010	Jun-3-2010	Jun-3-2010	Jun-3-2010	Jun-3-2010			
Rating Type	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL			
Rating Unit	%	%	%	%	%			
Number of Subsamples	1	1	1	1	1			
Days After First/Last Applic.	43 43	43 43	43 43	43 43	43 43			
Trt-Eval Interval	43 DA-A	43 DA-A	43 DA-A	43 DA-A	43 DA-A			
Plant-Eval Interval	35 DP-1	35 DP-1	35 DP-1	35 DP-1	35 DP-1			
Days After Emergence	27 DE-	27 DE-	27 DE-	27 DE-	27 DE-			
Number of Decimals	0	0	0	0	0			
Trt Treatment	Form Form	Other Other	Appl	17	18	19	20	21
No. Name	Conc Unit	Rate Rate	Unit Code					
10 Ignite	2.34 LBA/GAL	22 oz/a	A	100	73	100	85	100
10 VALOR XLT @ 3.0oz								
10 Valor SX	51 %AW/W	1.76 oz/a	A					
10 Classic	25 %AW/W	1.24 oz/a	A					
10 N-pak ams	100 %	2 qt/a	A					
10 Roundup Weathermax	4.5 LBAE/GAL	22 oz/a	B					
10 N-pak ams	100 %	2 qt/a	B					
11 Ignite	2.34 LBA/GAL	22 oz/a	A	98	83	60	83	40
11 Prefix	5.29 LBA/GAL	2 pt/a	A					
11 N-pak ams	100 %	2 qt/a	A					
11 Roundup Weathermax	4.5 LBAE/GAL	22 oz/a	B					
11 N-pak ams	100 %	2 qt/a	B					
12 Ignite	2.34 LBA/GAL	29 oz/a	A	95	82	30	10	43
12 Sharpen	2.85 LBA/GAL	0.5 oz/a	A					
12 N-pak ams	100 %	2 qt/a	A					
12 Roundup Weathermax	4.5 LBAE/GAL	22 oz/a	B					
12 N-pak ams	100 %	2 qt/a	B					
13 Ignite	2.34 LBA/GAL	22 oz/a	A	98	98	20	0	58
13 Sharpen	2.85 LBA/GAL	1 oz/a	A					
13 N-pak ams	100 %	2 qt/a	A					
13 Roundup Weathermax	4.5 LBAE/GAL	22 oz/a	B					
13 N-pak ams	100 %	2 qt/a	B					
14 Ignite	2.34 LBA/GAL	32 oz/a	A	100	100	65	10	30
14 Sencor DF	75 %AW/W	4 oz/a	A					
14 N-pak ams	100 %	2 qt/a	A					
14 Roundup Weathermax	4.5 LBAE/GAL	22 oz/a	B					
14 N-pak ams	100 %	2 qt/a	B					
15 Ignite	2.34 LBA/GAL	22 oz/a	A	100	100	100	0	73
15 Sharpen	2.85 LBA/GAL	1 oz/a	A					
15 Sencor DF	75 %AW/W	8 oz/a	A					
15 N-pak ams	100 %	2 qt/a	A					
15 Roundup Weathermax	4.5 LBAE/GAL	22 oz/a	B					
15 N-pak ams	100 %	2 qt/a	B					
16 VALOR XLT @ 3.5oz				100	100	83	85	100
16 Valor SX	51 %AW/W	2.05 oz/a	A					
16 Classic	25 %AW/W	1.45 oz/a	A					
16 Roundup Power Max	4.5 LBAE/GAL	22 oz/a	A					
16 2,4-D	4 LBA/GAL	1 pt/a	A					
16 N-pak ams	100 %	2 qt/a	A					
16 Roundup Power Max	4.5 LBAE/GAL	22 oz/a	B					
16 N-pak ams	100 %	2 qt/a	B					
LSD (P=.05)				19.9	24.2	48.3	21.7	29.4
Standard Deviation				12.0	14.5	28.1	13.0	17.6
CV				13.12	17.61	42.42	35.32	26.22
Bartlett's X2				24.612	8.786	6.44	17.266	17.997
P(Bartlett's X2)				0.001*	0.457	0.695	0.14	0.055
Replicate F				1.140	4.561	1.310	0.615	1.734
Replicate Prob(F)				0.3333	0.0186	0.2956	0.5475	0.1944
Treatment F				13.306	8.542	3.375	25.065	9.486
Treatment Prob(F)				0.0001	0.0001	0.0091	0.0001	0.0001

Pest Type	W Weed	W Weed	W Weed	W Weed
Pest Code	SETFA	AMBTR	CHEAL	ERICA
Pest Scientific Name	Setaria faberi	Ambrosia trifida	Chenopodium album	Conyza canadensis
Pest Name	Giant foxtail	Giant ragweed	Common lambsquarters	Canada horseweed
Rating Date	Jul-8-2010	Jul-8-2010	Jul-8-2010	Jul-8-2010
Rating Type	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	%	%	%	%
Number of Subsamples	1	1	1	1
Days After First/Last Applic.	78 34	78 34	78 34	78 34
Trt-Eval Interval	34 DA-B	34 DA-B	34 DA-B	34 DA-B
Plant-Eval Interval	70 DP-1	70 DP-1	70 DP-1	70 DP-1
Days After Emergence	62 DE-	62 DE-	62 DE-	62 DE-
Number of Decimals	0	0	0	0

Trt No.	Treatment Name	Form Conc	Form Unit	Other Rate	Other Rate	Appl Unit	Code	22	23	24	25
1	UTC							100	100	100	67
2	Ignite	2.34 LBAE/GAL		29 oz/a		A		100	100	100	100
	2 N-pak ams	100 %		2 qt/a		A					
	2 Roundup Weathermax	4.5 LBAE/GAL		22 oz/a		B					
	2 N-pak ams	100 %		2 qt/a		B					
3	Ignite	2.34 LBAE/GAL		29 oz/a		A		100	93	100	100
	3 2,4-D Ester	4 LBAE/GAL		1 pt/a		A					
	3 N-pak ams	100 %		2 qt/a		A					
	3 Roundup Weathermax	4.5 LBAE/GAL		22 oz/a		B					
	3 N-pak ams	100 %		2 qt/a		B					
4	Ignite	2.34 LBAE/GAL		29 oz/a		A		100	100	100	100
	4 Sharpen	2.85 LBAE/GAL		1 oz/a		A					
	4 N-pak ams	100 %		2 qt/a		A					
	4 Roundup Weathermax	4.5 LBAE/GAL		22 oz/a		B					
	4 N-pak ams	100 %		2 qt/a		B					
5	Ignite	2.34 LBAE/GAL		29 oz/a		A		100	92	100	100
	5 Sencor DF	75 %AW/W		8 oz/a		A					
	5 N-pak ams	100 %		2 qt/a		A					
	5 Roundup Weathermax	4.5 LBAE/GAL		22 oz/a		B					
	5 N-pak ams	100 %		2 qt/a		B					
6	Ignite	2.34 LBAE/GAL		29 oz/a		A		100	95	100	100
	6 ENVIVE @3.5oz										
	6 Classic	25 %AW/W		1.28 oz/a		A					
	6 Thifensulfuron	50 %AW/W		0.208 oz/a		A					
	6 Valor SX	51 %AW/W		1.96 oz/a		A					
	6 N-pak ams	100 %		2 qt/a		A					
	6 Roundup Weathermax	4.5 LBAE/GAL		22 oz/a		B					
	6 N-pak ams	100 %		2 qt/a		B					
7	Ignite	2.34 LBAE/GAL		29 oz/a		A		100	95	100	100
	7 AUTHORITY ASSIST	4 LBAE/GAL		5 oz/a		A					
	7 N-pak ams	100 %		2 qt/a		A					
	7 Roundup Weathermax	4.5 LBAE/GAL		22 oz/a		B					
	7 N-pak ams	100 %		2 qt/a		B					
8	Ignite	2.34 LBAE/GAL		29 oz/a		A		100	100	100	100
	8 V10233	76 %AW/W		3 oz/a		A					
	8 N-pak ams	100 %		2 qt/a		A					
	8 Roundup Weathermax	4.5 LBAE/GAL		22 oz/a		B					
	8 N-pak ams	100 %		2 qt/a		B					
9	Roundup Weathermax	4.5 LBAE/GAL		22 oz/a		A		100	100	100	87
	9 Sharpen	2.85 LBAE/GAL		1 oz/a		A					
	9 N-pak ams	100 %		2 qt/a		A					
	9 Roundup Weathermax	4.5 LBAE/GAL		22 oz/a		B					
	9 N-pak ams	100 %		2 qt/a		B					

Pest Type	W Weed	W Weed	W Weed	W Weed							
Pest Code	SETFA	AMBTR	CHEAL	ERICA							
Pest Scientific Name	Setaria faberi	Ambrosia trifida	Chenopodium album	Conyza canadensis							
Pest Name	Giant foxtail	Giant ragweed	Common lambsquarters	Canada horseweed							
Rating Date	Jul-8-2010	Jul-8-2010	Jul-8-2010	Jul-8-2010							
Rating Type	CONTROL	CONTROL	CONTROL	CONTROL							
Rating Unit	%	%	%	%							
Number of Subsamples	1	1	1	1							
Days After First/Last Applic.	78 34	78 34	78 34	78 34							
Trt-Eval Interval	34 DA-B	34 DA-B	34 DA-B	34 DA-B							
Plant-Eval Interval	70 DP-1	70 DP-1	70 DP-1	70 DP-1							
Days After Emergence	62 DE-	62 DE-	62 DE-	62 DE-							
Number of Decimals	0	0	0	0							
Trt No.	Treatment Name	Form Conc	Form Unit	Other Rate	Other Rate	Appl Unit	Code	22	23	24	25
10	Ignite	2.34 LBA/GAL		22 oz/a		A		100	100	100	100
	10 VALOR XLT @ 3.0oz										
	10 Valor SX	51 %AW/W		1.76 oz/a		A					
	10 Classic	25 %AW/W		1.24 oz/a		A					
	10 N-pak ams	100 %		2 qt/a		A					
	10 Roundup Weathermax	4.5 LBAE/GAL		22 oz/a		B					
	10 N-pak ams	100 %		2 qt/a		B					
11	Ignite	2.34 LBA/GAL		22 oz/a		A		100	100	100	93
	11 Prefix	5.29 LBA/GAL		2 pt/a		A					
	11 N-pak ams	100 %		2 qt/a		A					
	11 Roundup Weathermax	4.5 LBAE/GAL		22 oz/a		B					
	11 N-pak ams	100 %		2 qt/a		B					
12	Ignite	2.34 LBA/GAL		29 oz/a		A		100	97	100	95
	12 Sharpen	2.85 LBA/GAL		0.5 oz/a		A					
	12 N-pak ams	100 %		2 qt/a		A					
	12 Roundup Weathermax	4.5 LBAE/GAL		22 oz/a		B					
	12 N-pak ams	100 %		2 qt/a		B					
13	Ignite	2.34 LBA/GAL		22 oz/a		A		100	88	100	100
	13 Sharpen	2.85 LBA/GAL		1 oz/a		A					
	13 N-pak ams	100 %		2 qt/a		A					
	13 Roundup Weathermax	4.5 LBAE/GAL		22 oz/a		B					
	13 N-pak ams	100 %		2 qt/a		B					
14	Ignite	2.34 LBA/GAL		32 oz/a		A		100	100	100	100
	14 Sencor DF	75 %AW/W		4 oz/a		A					
	14 N-pak ams	100 %		2 qt/a		A					
	14 Roundup Weathermax	4.5 LBAE/GAL		22 oz/a		B					
	14 N-pak ams	100 %		2 qt/a		B					
15	Ignite	2.34 LBA/GAL		22 oz/a		A		100	100	100	100
	15 Sharpen	2.85 LBA/GAL		1 oz/a		A					
	15 Sencor DF	75 %AW/W		8 oz/a		A					
	15 N-pak ams	100 %		2 qt/a		A					
	15 Roundup Weathermax	4.5 LBAE/GAL		22 oz/a		B					
	15 N-pak ams	100 %		2 qt/a		B					
16	VALOR XLT @ 3.5oz							100	100	100	100
	16 Valor SX	51 %AW/W		2.05 oz/a		A					
	16 Classic	25 %AW/W		1.45 oz/a		A					
	16 Roundup Power Max	4.5 LBAE/GAL		22 oz/a		A					
	16 2,4-D	4 LBA/GAL		1 pt/a		A					
	16 N-pak ams	100 %		2 qt/a		A					
	16 Roundup Power Max	4.5 LBAE/GAL		22 oz/a		B					
	16 N-pak ams	100 %		2 qt/a		B					
LSD (P=.05)								0.0	9.6	0.0	16.4
Standard Deviation								0.0	5.8	0.0	9.9
CV								0.0	5.93	0.0	10.24
Bartlett's X2								0.0	1.691	0.0	3.249
P(Bartlett's X2)								.	0.89	.	0.355
Replicate F								0.000	3.921	0.000	1.194
Replicate Prob(F)								1.0000	0.0307	1.0000	0.3169
Treatment F								0.000	1.261	0.000	2.356
Treatment Prob(F)								1.0000	0.2845	1.0000	0.0223

# Ohio State University Horticulture and Crop Science

## IGNITE BURNDOWN IN RR SOYBEANS

Title No. 2:

Trial ID: 10NTS2                      Protocol ID: 10NTS2  
Location: Western Branch F-10      Study Director: Bryan Reeb  
Project ID: 10NTS2                    Investigator: Dr. Mark M. Loux  
Sponsor Contact: DAVE LAMORE, BAYER

Pest Type

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

Pest Code

LAMPU, Lamium purpureum, = US  
STEME, Stellaria media, = US  
ERICA, Conyza canadensis, = US  
CAPBP, Capsella bursa-pastoris, = US  
VERPG, Veronica peregrina, = US  
VERAG, Veronica agrestis, = US  
AMBTR, Ambrosia trifida, = US  
SETFA, Setaria faberi, = US  
CHEAL, Chenopodium album, = US

Rating Unit

% = percent

Plant-Eval Interval

5 DP-1 = 1 Apr-29-2010  
25 DP-1 = 1 Apr-29-2010  
35 DP-1 = 1 Apr-29-2010  
70 DP-1 = 1 Apr-29-2010