

The Ohio State University

TriCor preplant programs followed by postemergence applications of Storm or Roundup Powermax in double cropped soybeans.

Trial ID: 14DBLSOY	Location: Ohio	Trial Year: 2014
Protocol ID: Trcr-06-US-OH-14-31TLE	Investigator: Dr. Mark M. Loux	
Project ID: Trcr-06-US-OH-14-31TLE	Study Director: Dr. Mark Loux & Tony Dobbels	
	Sponsor Contact: Tony Estes	

Crop 1: GLXMA Glycine max Soybean
BBCH Scale: BSOY

Crop Description

Pest 1 Type: W **Code:** ERICA Conyza canadensis
Common Name: Canada horseweed

Pest Description

Pest 2 Type: W **Code:** AMBTR Ambrosia trifida
Common Name: Giant ragweed

Pest 3 Type: W **Code:** SETFA Setaria faberi
Common Name: Giant foxtail

Site and Design

Treated Plot Width: 6.67 FT
Treated Plot Length: 30 FT
Treated Plot Area: 200.1 FT² **Treatments:** 16
Replications: 3 **Trial Cost:** 7000 **Study Design:** RACOB L Randomized Complete Block (RCB)

Application Description

A
Application Date: Jul-11-2014
Appl. Start Time: 9:30 AM
Application Method: SPRAY
Application Timing: ATPLAN
Application Placement: BROSOI
Air Temperature, Unit: 73 F
% Relative Humidity: 64
Wind Velocity, Unit: 1 MPH
Wind Direction: NNW
Dew Presence (Y/N): Y yes
Soil Temperature, Unit: 68 F
Soil Moisture: DRY
% Cloud Cover: 0

Crop Stage At Each Application

A
Crop 1 Code, BBCH Scale: GLXMA BSOY

Pest Stage At Each Application

A
Pest 1 Code, Type, Scale: ERICA W
Stage Majority, Percent: 29 100
Height, Unit: 2 IN
Height Minimum, Maximum: 2 4
Pest 2 Code, Type, Scale: AMBTR W
Stage Majority, Percent: 16 100
Height, Unit: 4 IN
Height Minimum, Maximum: 4 8
Pest 3 Code, Type, Scale: SETFA W
Stage Majority, Percent: 16 100
Height, Unit: 2 IN
Height Minimum, Maximum: 2 8

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Pest Type	W Weed	W Weed	W Weed	W Weed
Pest Code	SETFA	AMBTR	AMARE	ABUTH
Pest Scientific Name	Setaria faberi	Ambrosia trifida	Amaranthus retrofractus	Abutilon theophrasti
Pest Name	Giant foxtail	Giant ragweed	Redroot pigweed	velvetleaf
Rating Date	Jul-25-2014	Jul-25-2014	Jul-25-2014	Jul-25-2014
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%
Number of Subsamples	1	1	1	1
SE Group No.	1	2	3	4
Days After First/Last Applic.	14 14	14 14	14 14	14 14
Trt-Eval Interval	14 DA-A	14 DA-A	14 DA-A	14 DA-A
Number of Decimals	0	0	0	0

Trt No.	Treatment Name	Rate	Other Rate	Other Rate	Appl Code	1	2	3	4
1	ROUNDUP POWERMAX	22 fl oz/a	0.77 lb ae/a		A	67	67	67	67
1	AMS	2.5 % v/v			A				
1	ROUNDUP POWERMAX	22 fl oz/a	0.77 lb ae/a		B				
1	AMS	2.5 % v/v			B				
2	VALOR XLT	3 oz/a	0.0756 lb ai/a		A	100	100	100	100
2	Classic	1.24 oz/a	0.0194 lb ai/a		A				
2	Valor SX	1.76 oz/a	0.056 lb ai/a		A				
2	ROUNDUP POWERMAX	22 fl oz/a	0.77 lb ae/a		A				
2	AMS	2.5 % v/v			A				
2	ROUNDUP POWERMAX	22 fl oz/a	0.77 lb ae/a		B				
2	AMS	2.5 % v/v			B				
3	SHARPEN	1 fl oz/a	0.0223 lb ai/a		A	100	93	100	100
3	ROUNDUP POWERMAX	22 fl oz/a	0.77 lb ae/a		A				
3	AMS	2.5 % v/v			A				
3	ROUNDUP POWERMAX	22 fl oz/a	0.77 lb ae/a		B				
3	AMS	2.5 % v/v			B				
4	TRICOR	8 oz/a	0.375 lb ai/a		A	100	100	100	100
4	ROUNDUP POWERMAX	22 fl oz/a	0.77 lb ae/a		A				
4	AMS	2.5 % v/v			A				
4	ROUNDUP POWERMAX	22 fl oz/a	0.77 lb ae/a		B				
4	AMS	2.5 % v/v			B				
5	TRICOR	8 oz/a	0.375 lb ai/a		A	100	100	100	100
5	VALOR XLT	3 oz/a	0.0756 lb ai/a		A				
5	Classic	1.24 oz/a	0.0194 lb ai/a		A				
5	Valor SX	1.76 oz/a	0.056 lb ai/a		A				
5	ROUNDUP POWERMAX	22 fl oz/a	0.77 lb ae/a		A				
5	AMS	2.5 % v/v			A				
5	ROUNDUP POWERMAX	22 fl oz/a	0.77 lb ae/a		B				
5	AMS	2.5 % v/v			B				
6	TRICOR	8 oz/a	0.375 lb ai/a		A	100	100	100	100
6	SHARPEN	1 fl oz/a	0.0223 lb ai/a		A				
6	ROUNDUP POWERMAX	22 fl oz/a	0.77 lb ae/a		A				
6	AMS	2.5 % v/v			A				
6	ROUNDUP POWERMAX	22 fl oz/a	0.77 lb ae/a		B				
6	AMS	2.5 % v/v			B				
7	ROUNDUP POWERMAX	22 fl oz/a	0.77 lb ae/a		A	100	100	100	100
7	AMS	2.5 % v/v			A				
7	ROUNDUP POWERMAX	22 fl oz/a	0.77 lb ae/a		B				
7	AMS	2.5 % v/v			B				
7	STORM	1.5 pt/a	0.75 lb ai/a		B				

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Rating Unit	%	%	%	%
Number of Subsamples	1	1	1	1
SE Group No.	1	2	3	4
Days After First/Last Applic.	14 14	14 14	14 14	14 14
Trt-Eval Interval	14 DA-A	14 DA-A	14 DA-A	14 DA-A
Number of Decimals	0	0	0	0

Trt No.	Treatment Name	Rate	Other Rate	Other Rate Unit	Appl Code	1	2	3	4
8	VALOR XLT	3 oz/a	0.0756 lb ai/a		A	100	100	100	100
8	ROUNDUP POWERMAX	22 fl oz/a	0.77 lb ae/a		A				
8	AMS	2.5 % v/v			A				
8	ROUNDUP POWERMAX	22 fl oz/a	0.77 lb ae/a		B				
8	AMS	2.5 % v/v			B				
8	STORM	1.5 pt/a	0.75 lb ai/a		B				
9	SHARPEN	1 fl oz/a	0.0223 lb ai/a		A	100	100	100	100
9	ROUNDUP POWERMAX	22 fl oz/a	0.77 lb ae/a		A				
9	AMS	2.5 % v/v			A				
9	ROUNDUP POWERMAX	22 fl oz/a	0.77 lb ae/a		B				
9	AMS	2.5 % v/v			B				
9	STORM	1.5 pt/a	0.75 lb ai/a		B				
10	TRICOR	8 oz/a	0.375 lb ai/a		A	100	100	100	100
10	ROUNDUP POWERMAX	22 fl oz/a	0.77 lb ae/a		A				
10	AMS	2.5 % v/v			A				
10	ROUNDUP POWERMAX	22 fl oz/a	0.77 lb ae/a		B				
10	AMS	2.5 % v/v			B				
10	STORM	1.5 pt/a	0.75 lb ai/a		B				
11	TRICOR	8 oz/a	0.375 lb ai/a		A	100	100	100	100
11	VALOR XLT	3 oz/a	0.0756 lb ai/a		A				
11	Classic	1.24 oz/a	0.0194 lb ai/a		A				
11	Valor SX	1.76 oz/a	0.056 lb ai/a		A				
11	ROUNDUP POWERMAX	22 fl oz/a	0.77 lb ae/a		A				
11	AMS	2.5 % v/v			A				
11	ROUNDUP POWERMAX	22 fl oz/a	0.77 lb ae/a		B				
11	AMS	2.5 % v/v			B				
11	STORM	1.5 pt/a	0.75 lb ai/a		B				
12	TRICOR	8 oz/a	0.375 lb ai/a		A	100	100	100	100
12	SHARPEN	1 fl oz/a	0.0223 lb ai/a		A				
12	ROUNDUP POWERMAX	22 fl oz/a	0.77 lb ae/a		A				
12	AMS	2.5 % v/v			A				
12	ROUNDUP POWERMAX	22 fl oz/a	0.77 lb ae/a		B				
12	AMS	2.5 % v/v			B				
12	STORM	1.5 pt/a	0.75 lb ai/a		B				
13	KFD-195-01	2 pt/a	1 lb ai/a		A	100	100	100	100
13	ROUNDUP POWERMAX	22 fl oz/a	0.77 lb ae/a		A				
13	AMS	2.5 % v/v			A				
13	ROUNDUP POWERMAX	22 fl oz/a	0.77 lb ae/a		B				
13	AMS	2.5 % v/v			B				
14	KFD-195-01	2.75 pt/a	1.38 lb ai/a		A	100	100	100	100
14	ROUNDUP POWERMAX	22 fl oz/a	0.77 lb ae/a		A				
14	AMS	2.5 % v/v			A				
14	ROUNDUP POWERMAX	22 fl oz/a	0.77 lb ae/a		B				
14	AMS	2.5 % v/v			B				
15	Untreated Check					33	67	67	67

