

MSU Weed Science Research Program

Rescue Treatments for Common Lambsquarters

Trial ID: SB05-06BB
 Conducted: Campus

Study Dir.: Sprague, Powell
 Investigator: Christy Sprague

Date Planted: 4/11/2006 **Row Spacing:** 30 IN
Variety: Crystal 963 **No. of Reps:** 4
Population: 4 3/8" seed spacing **% OM:** 3.3
Soil Type: Silty Clay **pH:** 7.8
Plot Size: 10 X 30 FT **Design:** RANDOMIZED COMPLETE BLOCK

Tillage: Fall Chisel Plow. Spring Field Cultivate.
Fertilizer: Broadcast application of 125#/acre N on March 15, 2006

Crop and Weed Description

Weed	Code	Common Name	Scientific Name
1.	CHEAL	LAMBSQUARTERS, COMMON	CHENOPODIUM ALBUM L.
2.	THLAR	PENNYCRESS, FIELD	THLASPI ARVENSE L.
Crop	Code	Common Name	
1.	BETVU	BEEET, SUGAR	

Application Description

A
Application Timing: 2-4 LQ
Date Treated: 5/22/2006
Time Treated: 3:00 pm
% Cloud Cover: 10
Air Temp., Unit: 55 F
% Relative Humidity: 26
Wind Speed/Unit/Dir: 8 mph NW
Soil Temp., Unit: 54 F
Soil/Leaf Surface M: 5 5
Soil Moist (1=w 5=d): 3

Crop Stage at Each Application

A
Crop Name: BETVU
Height (In.): 2"-4"
Stage (L): 4-8

Weed Stage at Each Application

A
Weed 1 Name: CHEAL
Height (In.): 1"-5"
Stage (L): 2-20
Weed 2 Name: THLAR
Height (In.): 2"-8"
Stage (L): rose-flow

Weed Density (plants/sq. ft.)

	1	2	3	4	5	6
Date:	7/21/2006	7/21/2006	7/21/2006	7/21/2006	7/21/2006	7/21/2006
Weed Name:	CHEAL	POLPY	AMARE	AMBEL	ABUTH	SOLPT
Density:	2	1	0	0	0	<1

Application Equipment

Appl	Sprayer	Speed	Nozzle	Nozzle	Nozzle	Nozzle	Boom			
Type	MPH	Type	Size	Height	Spacing	Width	GPA	Carrier	PSI	
A	Cub	3.8	AirMix	11003	20"	20"	100"	19	H20	27

Comments: Previous Crop: Soybeans. Previous Herbicide: Roundup.

June 12- 3.5 oz/acre Amistar applied
 July 7- 0.5 oz/acre Topsin applied

July 19- 9.2 oz/acre Headline applied

MSU Weed Science Research Program

Rescue Treatments for Common Lambsquarters

Trial ID: SB05-06BB

Study Dir.: Sprague, Powell

Conducted: Campus

Investigator: Christy Sprague

July 31- 13 oz/acre Emmiment applied

August 15- 9.2 oz/acre Headline applied

MSU Weed Science Research Program

Rescue Treatments for Common Lambsquarters

Trial ID: SB05-06BB

Study Dir.: Sprague, Powell

Conducted: Campus

Investigator: Christy Sprague

Weed Code	Crop Code	Rating Data Type	Rating Unit	Rating Date	Trt-Eval Interval	BETVU injury percent	CHEAL control percent	BETVU injury percent	CHEAL control percent	BETVU injury percent	CHEAL control percent
						5/30/2006	5/30/2006	6/8/2006	6/8/2006	6/15/2006	6/15/2006
						8 DA-A	8 DA-A	17 DA-A	17 DA-A	24 DA-A	24 DA-A

Trt No.	Treatment Name	Form Conc	Rate	Unit	Grow Stg	Appl Code	BETVU injury percent	CHEAL control percent	BETVU injury percent	CHEAL control percent	BETVU injury percent	CHEAL control percent
1	Betamix	1.3	3	pt/a	2-4" LQ A	8	71	5	70	3	53	
1	Activator 90 NIS		0.25	% v/v	2-4" LQ A							
2	Betamix	1.3	3	pt/a	2-4" LQ A	23	79	9	76	5	61	
2	Nortron	4	4	fl oz/a	2-4" LQ A							
2	Activator 90 NIS		0.25	% v/v	2-4" LQ A							
3	Betamix	1.3	3	pt/a	2-4" LQ A	19	86	16	84	9	78	
3	Stinger	3	4	fl oz/a	2-4" LQ A							
3	Activator 90 NIS		0.25	% v/v	2-4" LQ A							
4	Untreated				2-4" LQ A	0	0	0	0	0	0	
5	Betamix	1.3	3	pt/a	2-4" LQ A	11	71	8	69	0	50	
5	MSO		1.5	% v/v	2-4" LQ A							
6	Betamix	1.3	6	pt/a	2-4" LQ A	16	97	8	91	6	86	
6	Stinger	3	4	fl oz/a	2-4" LQ A							
6	Activator 90 NIS		0.25	% v/v	2-4" LQ A							
7	Betamix	1.3	3	pt/a	2-4" LQ A	25	88	9	86	7	80	
7	Nortron	4	4	fl oz/a	2-4" LQ A							
7	Stinger	3	4	fl oz/a	2-4" LQ A							
7	Activator 90 NIS		0.25	% v/v	2-4" LQ A							
8	Betamix	1.3	4.5	pt/a	2-4" LQ A	23	95	8	94	0	86	
8	Nortron	4	4	fl oz/a	2-4" LQ A							
8	Stinger	3	4	fl oz/a	2-4" LQ A							
8	Activator 90 NIS		0.25	% v/v	2-4" LQ A							

LSD (P=.05)	9.2	8.6	8.4	9.9	4.7	10.7
Standard Deviation	6.2	5.9	5.7	6.7	3.2	7.3
CV	40.31	7.98	73.76	9.44	87.19	11.75