

MSU Weed Science Research Program

Evaluation of Micro-nutrients and N-Tank with Glyphosate - Bean & Beet

Trial ID: SOY12-06
Conducted: Bean & Beet

Study Dir.: Sprague, Powell
Investigator: Christy Sprague

Date Planted: 5/5/2006	Row Spacing: 30 IN
Variety: Pioneer 91M60	No. of Reps: 4
Population: 150,000 seeds/acre	% OM: 2.9
Soil Type: Clay	pH: 8.0
Plot Size: 10 X 35 FT	Design: RANDOMIZED COMPLETE BLOCK

Tillage: Fall Chisel Plow. Spring Field Cultivate.

Fertilizer: None at planting

Crop	Code	Common Name
1.	GLXMA	SOYBEAN

Application Description

A

Application Timing: POST
Date Treated: 6/15/2006
Time Treated: 10:00 am
% Cloud Cover: 0
Air Temp., Unit: 75 F
% Relative Humidity: 24
Wind Speed/Unit/Dir: 1 mph E
Soil Temp., Unit: 65 E
Soil/Leaf Surface M: 5 5
Soil Moist (1=w 5=d): 5

Crop Stage at Each Application

A

Crop Name: GLXMA
Height (In.): 5-6"
Stage (L): v2

Application Equipment

Appl	Sprayer	Speed	Nozzle	Nozzle	Nozzle	Boom
A	Cub	3.8	AirMix	11003	22" 20"	100" 19 water 27

Comments: At planting applied 1.0 pt of Dual II Magnum + 1.0 lb of Lorox for weed control.

Post Timing 6/15/06- Trts 3,9 and 12 (micromix 2 lb) did not mix well.

Study was maintained weed free throughout the growing season.

MSU Weed Science Research Program

Evaluation of Micro-nutrients and N-Tank with Glyphosate - Bean & Beet

Trial ID: SOY12-06
 Conducted: Bean & Beet

Study Dir.: Sprague, Powell
 Investigator: Christy Sprague

Weed Code	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA
Crop Code	VIGOR	VIGOR	height	VIGOR	moisture	yield
Rating Data Type	+/- 10	+/- 10	CM	+/- 10	percent	bu/acre
Rating Unit	6/30/2006	7/13/2006	7/13/2006	8/11/2006	9/17/2006	9/17/2006
Rating Date	15 DA-A	28 DA-A	28 DA-A	57 DA-A	104 DA-A	at 13% M
Trt-Eval Interval						

Trt No.	Treatment Name	Form Conc	Rate	Grow Stg	Appl Code	GLXMA VIGOR	GLXMA VIGOR	GLXMA height	GLXMA VIGOR	GLXMA moisture	GLXMA yield
1	Untreated					0	0	55	0	13.4	68.0
2	MicroMix	1	lb/a	POST	A	0	0	57	0	12.7	67.7
3	MicroMix	2	lb/a	POST	A	0	0	55	0	13.9	67.0
4	N Tank	1	% v/v	POST	A	0	0	57	0	13.4	68.3
5	N Tank	1	% v/v	POST	A	0	0	55	0	12.9	67.7
5	MicroMix	1	lb/a	POST	A						
6	N Tank	1	% v/v	POST	A	0	0	54	0	12.9	65.8
6	MicroMix	2	lb/a	POST	A						
7	Buccaneer 3	2	qt/a	POST	A	0	0	56	0	12.8	65.6
8	Buccaneer 3	2	qt/a	POST	A	0	0	54	0	13.3	66.5
8	MicroMix	1	lb/a	POST	A						
9	Buccaneer 3	2	qt/a	POST	A	0	0	56	0	12.7	67.3
9	MicroMix	2	lb/a	POST	A						
10	Buccaneer 3	2	qt/a	POST	A	0	0	53	0	13.4	64.2
10	N Tank	1	% v/v	POST	A						
11	Buccaneer 3	2	qt/a	POST	A	0	0	56	0	13.1	67.5
11	N Tank	1	% v/v	POST	A						
11	MicroMix	1	lb/a	POST	A						
12	Buccaneer 3	2	qt/a	POST	A	0	0	53	0	13.5	64.7
12	N Tank	1	% v/v	POST	A						
12	MicroMix	2	lb/a	POST	A						

LSD (P=.05)	0.0	0.0	2.6	0.0	1.28	3.19
Standard Deviation	0.0	0.0	1.8	0.0	0.89	2.21
CV	0.0	0.0	3.27	0.0	6.75	3.31