

MSU Weed Science Research Program

Volunteer corn density effects on sugarbeet II

Trial ID: SB08-13 Study Dir.: Harden, Sprague, Powell
Conducted: Campus T-15E Investigator: Christy Sprague

Date Planted: May/03/2013 **Row Spacing:** IN
Variety: HM-173 RR **No. of Reps:** 4
Population: 4 1/8" spacing **% OM:** 4.1
Soil Type: Loam **pH:** 6.4
Plot Size: 10 X 30 FT **Design:** RANDOMIZED COMPLETE BLOCK

Tillage: Fall chisel, fall soil finish. Spring soil finish.
Fertilizer: 3/14/13- Applied 200 lb/A urea (90 lb N)

Crop Code Common Name
1. BETVU BEET, SUGAR

Crop Stage at Each Application

Crop Name: A
BETVU

Application Equipment

App1

A

Comments: All treatments were kept weed-free with applications of Roundup PowerMax (22 fl oz/A) + AMS (17 lb/100 gal) - 6/3/13 & 7/10/13

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Weed Code					
Crop Code	BETVU	BETVU	BETVU	BETVU	BETVU
Rating Data Type	stand count	% sugar	yield	RWST	RWSA
Rating Unit	100'/row		ton/acre	# / ton	# / acre
Rating Date	Oct/15/2013	Oct/15/2013	Oct/15/2013	Oct/15/2013	Oct/15/2013
Trt-Eval Interval					
# Subsamples, Dec.	0	1	1	0	0

Trt No.	Treatment Name	Rate Unit	stand count	% sugar	yield ton/acre	RWST # / ton	RWSA # / acre
1	30-inch rows 0 v. corn/plot	252	17.6	28.5	259	7370	
2	30-inch rows 3 v. corn/plot	260	17.5	33.2	256	8525	
3	30-inch rows 6 v. corn/plot	250	17.4	33.1	258	8560	
4	30-inch rows 12 v. corn/plot	254	17.3	32.9	255	8378	
5	15-inch rows 0 v. corn/plot	141	17.1	29.4	248	7372	
6	15-inch rows 3 v. corn/plot	149	17.9	30.7	267	8196	
7	15-inch rows 6 v. corn/plot	143	17.7	35.2	261	9220	
8	15-inch rows 12 v. corn/plot	156	17.5	33.5	257	8610	
9	15-inch rows 24 v. corn/plot	155	17.8	30.8	264	8147	
10	15-inch rows 48 v. corn/plot	153	17.7	27.5	262	7206	
11	15-inch rows 6 v. corn clumps/plot	157	17.5	29.6	261	7685	
12	15-inch rows 24 v. corn clumps/plot	150	18.0	31.6	268	8466	
13	30-inch rows 24 v. corn/plot	249	17.6	28.4	262	7460	
14	30-inch rows 48 v. corn/plot	244	17.9	26.5	267	7066	
15	30-inch rows 6 v. corn clumps/plot	247	17.6	34.5	261	9019	
16	30-inch rows 24 v. corn clumps/plot	231	17.3	24.8	253	6292	
LSD (P=.05)		26.5	0.61	5.25	12.6	1438.3	
CV		9.3	2.42	11.99	3.4	12.62	

Means followed by same letter do not significantly differ (P=.05, LSD)