

MSU Soil Fertility Research Program

EVALUATION OF IN FURROW FERTILIZER TREATMENTS IN SUGARBEET

Trial ID: BV04-14 Location: SVRF Trial Year: 2014
 Investigator: Kurt Steinke
 Project ID: WestCENTBV

Crop Code							BEAVA	BEAVA	BEAVA	
Crop Name							Sugarbeet	Sugarbeet	Sugarbeet	
Crop Variety							Hillshog 179	Hillshog 179	Hillshog 179	
Description							Yield	% Sugar	RWSA	
Rating Date							Oct-6-2014	Oct-6-2014	Oct-6-2014	
Rating Type							YIELD			
Rating Unit							T-US		pounds/A	
Crop Stage Scale							Harvest			
ARM Action Codes							EC TY1	ET5	T2	
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Other Rate	Other Rate Unit	Growth Stage			
1	CHECK							8	14	18
	28-0-0	28	AL	13.3 gal/a	13.3 gal/a	260 lb/a	2X2	36.3	16.0515 a	8671.4 a
	Urea 46-0-0	46	GR	120 lb ai/a	260 lb/a		PPI			
2	10-34-0		AL	2 gal/a	2 gal/a		IN-FUR	38.6 a	16.7370 a	9649.7 a
	Water		AL	4 gal/a	4 gal/a		IN-FUR			
	28-0-0	28	AL	13.3 gal/a	13.3 gal/a	260 lb/a	2x2			
	Urea 46-0-0	46	GR	120 lb ai/a	260 lb/a		PPI			
3	WC139		AL	3 gal/a	3 gal/a		IN-FUR	38.3 ab	16.3300 a	9484.1 a
	Water		AL	3 gal/a	3 gal/a		IN-FUR			
	28-0-0	28	AL	13.3 gal/a	13.3 gal/a	260 lb/a	2X2			
	Urea 46-0-0	46	GR	120 lb ai/a	260 lb/a		PPI			
4	WC150		AL	8 fl oz/a	8 fl oz/a		IN-FUR	38.4 ab	16.3973 a	9452.0 a
	Water		AL	5.94 gal/a	5.94 gal/a		IN-FUR			
	28-0-0	28	AL	13.3 gal/a	13.3 gal/a	260 lb/a	2X2			
	Urea 46-0-0	46	GR	120 lb ai/a	260 lb/a		PPI			
5	10-34-0		AL	2 gal/a	2 gal/a		IN-FUR	35.9 b	15.8903	8656.8 a
	WC150		AL	8 fl oz/a	8 fl oz/a		IN-FUR			
	Water		AL	3.94 gal/a	3.94 gal/a		IN-FUR			
	28-0-0	28	AL	13.3 gal/a	13.3 gal/a	260 lb/a	2X2			
	Urea 46-0-0	46	GR	120 lb ai/a	260 lb/a		PPI			
6	10-34-0		AL	2 gal/a	2 gal/a		IN-FUR	40.7 a	16.7923 a	10136.9 a
	WC101		AL	24 fl oz/a	24 fl oz/a		IN-FUR			
	Water		AL	3.81 gal/a	3.81 gal/a		IN-FUR			
	28-0-0	28	AL	13.3 gal/a	13.3 gal/a	260 lb/a	2X2			
	Urea 46-0-0	46	GR	120 lb ai/a	260 lb/a		PPI			
7	WC139 RL		AL	3 gal/a	3 gal/a		IN-FUR	39.3 a	16.2953 a	9648.7 a
	Amino MN 5%	5	AL	1 qt/a	1 qt/a		IN-FUR			
	Water		AL	2.75 gal/a	2.75 gal/a		IN-FUR			
	28-0-0	28	AL	13.3 gal/a	13.3 gal/a	260 lb/a	2X2			
	Urea 46-0-0	46	GR	120 lb ai/a	260 lb/a		PPI			
LSD (P=.10)							2.46	0.87951	1033.24	
Standard Deviation							1.98	0.70954	839.78	
CV							5.13	4.32	8.95	
Bartlett's X2							7.878	4.811	8.593	
P(Bartlett's X2)							0.163	0.439	0.198	
Skewness							-0.3608	-0.2031	-1.218*	
Kurtosis							-0.2531	0.462	1.6353	
Replicate F							0.746	0.402	0.007	
Replicate Prob(F)							0.5422	0.7537	0.9992	
Treatment F							2.488	0.632	1.662	
Treatment Prob(F)							0.0820	0.6783	0.1909	

Crop Code
 BEAVA, BSUG, Beta vulgaris vulg. altissima, = US
 Rating Type
 YIELD = yield

Means followed by same letter do not significantly differ (P=.10, LSD)
 Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.
 Missing data estimates are included in columns: Yates=8,18

MSU Soil Fertility Research Program

EVALUATION OF IN FURROW FERTILIZER TREATMENTS IN SUGARBEET

Trial ID: BV04-14 Location: SVRF Trial Year: 2014
Investigator: Kurt Steinke
Project ID: WestCENTBV

Rating Unit

T-US = ton (short=2000 lb)

ARM Action Codes

EC = Do not analyze untreated check, while still reporting treatment mean on AOV Means Table

ET5 = Excluded treatment 5

TY1 = $0.1244571 * [C7]$

T2 = $[c8] * [c17]$