

MSU Soil Fertility Research Program  
 EVALUATION OF IN FURROW AND 2X2 APPLICATIONS WITH QUALITY LIQUID FERTILIZER IN BEETS.  
 Trial ID: BV05-17      Location: SVREC      Trial Year: 2017  
 Investigator: Kurt Steinke

Project ID: QLFEEDS

						BEAVA Sugarbeet Beta 1399 Oct-27-2017	BEAVA Sugarbeet Beta 1399 RWSA Oct-27-2017
						YIELD T-US HARVEST ET7 TY3 0	LBS RWSA POUNDS HARVEST ET7 T4 0
Trt No.	Treatment Name	Form Type	Rate Rate Unit	Other Other Rate Rate Unit	Growth Unit Stage		
	1 L-CBF 7-21-3	AL	2 gal/a	2 gal/a	INFUR	32 a	8406 a
	WATER	AL	4 gal/a	4 gal/a	INFUR		
	L-CBF 7-21-3	AL	5 gal/a	5 gal/a	2X2		
	28% Nitrogen	AL	12 gal/a	12 gal/a	2X2		
	Mn chelate	AL	1 qt/a	1 qt/a	2X2		
	B chelate	AL	1 qt/a	1 qt/a	2X2		
	28% Nitrogen	AL	0.93 gal/a	0.93 gal/a	2X2		
	WATER	AL	1.6 gal/a	1.6 gal/a	2X2		
	28% Nitrogen	AL	105 lb ai/a	35 gal/a	2-4LF		
	2 L-CBF 7-21-3	AL	7 gal/a	7 gal/a	2X2	31 a	8183 a
	28% Nitrogen	AL	12 gal/a	12 gal/a	2X2		
	Mn chelate	AL	1 qt/a	1 qt/a	2X2		
	B chelate	AL	1 qt/a	1 qt/a	2X2		
	28% Nitrogen	AL	0.93 gal/a	0.93 gal/a	2X2		
	28% Nitrogen	AL	105 lb ai/a	35 gal/a	2-4LF		
	3 10-34-0	AL	2 gal/a	2 gal/a	INFUR	31 a	8326 a
	WATER	AL	4 gal/a	4 gal/a	INFUR		
	10-34-0	AL	5 gal/a	5 gal/a	2X2		
	28% Nitrogen	AL	12 gal/a	12 gal/a	2X2		
	Mn chelate	AL	1 qt/a	1 qt/a	2X2		
	B chelate	AL	1 qt/a	1 qt/a	2X2		
	WATER	AL	2.5 gal/a	2.5 gal/a	2X2		
	28% Nitrogen	AL	105 lb ai/a	35 gal/a	2-4LF		
	4 10-34-0	AL	7 gal/a	7 gal/a	2X2	33 a	8881 a
	28% Nitrogen	AL	12 gal/a	12 gal/a	2X2		
	Mn chelate	AL	1 qt/a	1 qt/a	2X2		
	B chelate	AL	1 qt/a	1 qt/a	2X2		
	WATER	AL	0.5 gal/a	0.5 gal/a	2X2		
	28% Nitrogen	AL	105 lb ai/a	35 gal/a	2-4LF		
	5 10-34-0	AL	1 gal/a	1 gal/a	INFUR	32 a	8695 a
	L-CBF BOOST	AL	1 gal/a	1 gal/a	INFUR		
	WATER	AL	4 gal/a	4 gal/a	INFUR		
	10-34-0	AL	5 gal/a	5 gal/a	2X2		
	28% Nitrogen	AL	12 gal/a	12 gal/a	2X2		
	Mn chelate	AL	1 qt/a	1 qt/a	2X2		
	B chelate	AL	1 qt/a	1 qt/a	2X2		
	28% Nitrogen	AL	0.27 gal/a	0.27 gal/a	2X2		
	WATER	AL	2.23 gal/a	2.23 gal/a	2X2		
	28% Nitrogen	AL	105 lb ai/a	35 gal/a	2-4LF		

Means followed by same letter or symbol do not significantly differ (P=.10, LSD)  
 Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Crop Code						BEAVA	BEAVA
Crop Name						Sugarbeet	Sugarbeet
Crop Variety						Beta 1399	Beta 1399
Description							RWSA
Rating Date						Oct-27-2017	Oct-27-2017
Rating Type						YIELD	LBS RWSA
Rating Unit						T-US	POUNDS
Crop Stage Scale						HARVEST	HARVEST
ARM Action Codes						ET7 TY3	ET7 T4
Number of Decimals						0	0
Trt No.	Treatment Name	Form Type	Rate Rate Unit	Other Rate	Other Rate Unit	Growth Stage	
6	10-34-0 L-CBF BOOST	AL	5 gal/a	5 gal/a	2X2		
	28% Nitrogen	AL	2 gal/a	2 gal/a	2X2		
	Mn chelate	AL	12 gal/a	12 gal/a	2X2		
	B chelate	AL	1 qt/a	1 qt/a	2X2		
	28% Nitrogen	AL	1 qt/a	1 qt/a	2X2		
	28% Nitrogen	AL	0.53 gal/a	0.53 gal/a	2X2		
	28% Nitrogen	AL	105 lb ai/a	35 gal/a	2-4LF		
7	28% Nitrogen	AL	12 gal/a	12 gal/a	2X2		
	Mn chelate	AL	1 qt/a	1 qt/a	2X2		
	B chelate	AL	1 qt/a	1 qt/a	2X2		
	28% Nitrogen	AL	2.8 gal/a	2.8 gal/a	2X2		
	WATER	AL	4.7 gal/a	4.7 gal/a	2X2		
	28% Nitrogen	AL	105 lb ai/a	35 gal/a	2-4LF		
LSD P=.10						2.5	659.1
Standard Deviation						2.0	531.7
CV						6.36	6.3
Replicate F						1.310	2.200
Replicate Prob(F)						0.3080	0.1304
Treatment F						0.631	1.219
Treatment Prob(F)						0.6793	0.3477

Crop Code

BEAVA, BSUG, Beta vulgaris vulg. altissima, Sugarbeet = US

Rating Type

YIELD = yield

Rating Unit

T-US = ton (short=2000 lb)

ARM Action Codes

ET7 = Excluded treatment 7

TY3 = 0.1244571\*[7]

T4 = [c8]\*[c17]

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