

MSU Soil Fertility Research Program
 EVALUATION OF VARIOUS NITROGEN DELIVERY SYSTEMS
 Trial ID: BV08-17 Location: SVREC Trial Year: 2017
 Investigator: Kurt Steinke
 Project ID: ModernN Beets

						BEAVA	BEAVA
Crop Code						Sugarbeet	Sugarbeet
Crop Name						Beta 1399	Beta 1399
Crop Variety							
Description						lbs/175sqft	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						TY3	T4
Number of Decimals						0	0
Trt No.	Treatment Name	Form Type	Rate Rate Unit	Other Rate	Other Rate Unit	Growth Stage	
						8	18
1	P205-PHOS	GR	20 lb ai/a	44.4 lb/a		2X2PL	20 b
	K2O 0-0-62	GR	50 lb ai/a	81 lb/a		2X2PL	5197 b
	Manganese	GR	2 lb ai/a	7.4 lb/a		2X2PL	
2	P205-PHOS	GR	20 lb ai/a	44.4 lb/a		2X2PL	32 a
	K2O 0-0-62	GR	50 lb ai/a	81 lb/a		2X2PL	8516 a
	Manganese	GR	2 lb ai/a	7.4 lb/a		2X2PL	
	28% Nitrogen	AL	40 lb ai/a	13.3 gal/a		2X2PL	
	28% N Coulter	AL	120 lb ai/a	40 gal/a		SD2-4lf	
3	P205-PHOS	GR	20 lb ai/a	44.4 lb/a		2X2PL	31 a
	K2O 0-0-62	GR	50 lb ai/a	81 lb/a		2X2PL	8130 a
	Manganese	GR	2 lb ai/a	7.4 lb/a		2X2PL	
	28% Nitrogen	AL	40 lb ai/a	13.3 gal/a		2X2PL	
	28% N Y-Drop	AL	120 lb ai/a	40 gal/a		SD2-4lf	
4	P205-PHOS	GR	20 lb ai/a	44.4 lb/a		2X2PL	33 a
	K2O 0-0-62	GR	50 lb ai/a	81 lb/a		2X2PL	8969 a
	Manganese	GR	2 lb ai/a	7.4 lb/a		2X2PL	
	28% Nitrogen	AL	40 lb ai/a	13.3 gal/a		2X2PL	
	Urea 46-0-0	GR	120 lb ai/a	260 lb/a		PPI	
5	P205-PHOS	GR	20 lb ai/a	44.4 lb/a		2X2PL	31 a
	K2O 0-0-62	GR	50 lb ai/a	81 lb/a		2X2PL	8324 a
	Manganese	GR	2 lb ai/a	7.4 lb/a		2X2PL	
	28% Nitrogen	AL	40 lb ai/a	13.3 gal/a		2X2PL	
	Urea 46-0-0w/agro	GR	120 lb ai/a	260 lb/a		SD2-4lf	
6	P205-PHOS	GR	20 lb ai/a	44.4 lb/a		2X2PL	32 a
	K2O 0-0-62	GR	50 lb ai/a	81 lb/a		2X2PL	8676 a
	Manganese	GR	2 lb ai/a	7.4 lb/a		2X2PL	
	28% Nitrogen	AL	40 lb ai/a	13.3 gal/a		2X2PL	
	28% N RAIN drop	AL	120 lb ai/a	40 gal/a		SD2-4lf	

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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	Manganese	GR	2 lb ai/a	7.4 lb/a		2X2PL	
	28% Nitrogen	AL	40 lb ai/a	13.3 gal/a		2X2PL	
	28% N STREAMER	AL	120 lb ai/a	40 gal/a		SD2-4lf	
	LSD P=.10						4.6
	Standard Deviation						3.7
	CV						12.37
	Replicate F						7.059
	Replicate Prob(F)						0.0025
	Treatment F						6.415
	Treatment Prob(F)						0.0009
							18
							32 a
							8817 a
							1327.6
							1082.7
							13.38
							6.201
							0.0044
							5.830
							0.0016

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
 TY3 = 0.1244571*[7]
 T4 = [c8]*[c17]

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