

# MSU Soil Fertility Research Program

## THE EFFECTS OF N ZONE IN SUGARBEET

Trial ID: BV02-13    Location: SVRF    Trial Year: 2013  
 Investigator: Kurt Steinke  
 Project ID: NZONE

							BEAVA	BEAVA		
							Sugarbeet	Sugarbeet		
							Syngenta RR42	Syngenta RR42		
							RWST	Yield		
							Oct-17-2013	Oct-17-2013		
							lbs/ton	T-US		
								Harvest		
							1	TY1		
								1		
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code		
1	CHECK							B	284.1 a	22.6 a
	MAP 11-52-0	52	GR	20 lb ai/a	38.5 lb/a		2X2PL	B		
	K2O 0-0-62	62	GR	50 lb ai/a	81 lb/a		2X2PL	B		
	Manganese	27	GR	2 lb ai/a	7.4 lb/a		2X2PL	B		
2	N ZONE urea	46	GR	110 lb ai/a	240 lb/a		PRE	A	253.7 a	29.3 a
	28 % Nitrogen	3	SC	40 lb ai/a	13.3 gal/a		2X2PL	B		
	MAP 11-52-0	52	GR	20 lb ai/a	38.5 lb/a		2X2PL	B		
	K2O 0-0-62	62	GR	50 lb ai/a	81 lb/a		2X2PL	B		
	Manganese	27	GR	2 lb ai/a	7.4 lb/a		2X2PL	B		
3	N ZONE urea	46	GR	70 lb ai/a	152 lb/a		PRE	A	274.7 a	25.0 a
	28 % Nitrogen	3	SC	40 lb ai/a	13.3 gal/a		2X2PL	B		
	MAP 11-52-0	52	GR	20 lb ai/a	38.5 lb/a		2X2PL	B		
	K2O 0-0-62	62	GR	50 lb ai/a	81 lb/a		2X2PL	B		
	Manganese	27	GR	2 lb ai/a	7.4 lb/a		2X2PL	B		
4	Urea 46-0-0	46	GR	110 lb ai/a	240 lb/a		PRE	A	258.8 a	31.3 a
	28 % Nitrogen	3	SC	40 lb ai/a	13.3 gal/a		2X2PL	B		
	MAP 11-52-0	52	GR	20 lb ai/a	38.5 lb/a		2X2PL	B		
	K2O 0-0-62	62	GR	50 lb ai/a	81 lb/a		2X2PL	B		
	Manganese	27	GR	2 lb ai/a	7.4 lb/a		2X2PL	B		
5	Urea 46-0-0	46	GR	70 lb ai/a	152 lb/a		PRE	A	267.2 a	30.2 a
	28 % Nitrogen	3	SC	40 lb ai/a	13.3 gal/a		2X2PL	B		
	MAP 11-52-0	52	GR	20 lb ai/a	38.5 lb/a		2X2PL	B		
	K2O 0-0-62	62	GR	50 lb ai/a	81 lb/a		2X2PL	B		
	Manganese	27	GR	2 lb ai/a	7.4 lb/a		2X2PL	B		
LSD (P=.10)							22.41	7.54		
Standard Deviation							17.78	5.99		
CV							6.64	21.61		
Bartlett's X2							3.401	11.392		
P(Bartlett's X2)							0.493	0.022*		
Skewness							-0.9355	0.0951		
Kurtosis							1.388	-0.3681		
Replicate F							3.172	3.105		
Replicate Prob(F)							0.0636	0.0670		
Treatment F							1.876	1.525		
Treatment Prob(F)							0.1795	0.2567		

Crop Code  
 BEAVA, BSUG, Beta vulgaris vulg. altissima, = US  
Rating Type  
 YIELD = yield  
Rating Unit  
 T-US = ton (short=2000 lb)  
ARM Action Codes  
 TY1 = 0.1244571\*[C4]

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