

MSU Soil Fertility Research Program

SUGARBEET RESPONSE TO NITROGEN FOLLOWING CORN

Trial ID: BV01-14 Location: SVRF Trial Year: 2014
 Protocol ID: BV01-14 Investigator: Kurt Steinke
 Project ID: SIDEDRESS

Crop Code							BEAVA	BEAVA	
Crop Name							Sugarbeet	Sugarbeet	
Crop Variety							Crystal RR059	Crystal RR059	
Description							Yield	RWSA	
Rating Date							Oct-6-2014	Oct-6-2014	
Rating Type							YIELD		
Rating Unit							T-US	pounds/A	
Crop Stage Scale							Harvest		
ARM Action Codes							ET4 TY2	ET7 T4	
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Other Rate	Other Rate Unit	Growth Stage		
5	P205-PHOS	45	GR	20 lb ai/a	44.4 lb/a		2X2PL	40.7 a	11448 a
	K2O 0-0-62	62	GR	50 lb ai/a	81 lb/a		2X2PL		
	Manganese	27	GR	2 lb ai/a	7.4 lb/a		2X2PL		
	28% Nitrogen	3	AL	40 lb ai/a	13.3 gal/a		2X2PL		
	Urea 46-0-0	46	GR	120 lb ai/a	260 lb/a		SD2-4lf		
12	P205-PHOS	45	GR	20 lb ai/a	44.4 lb/a		2X2PL	40.3 a	11743 a
	K2O 0-0-62	62	GR	50 lb ai/a	81 lb/a		2X2PL		
	Manganese	27	GR	2 lb ai/a	7.4 lb/a		2X2PL		
	28% Nitrogen	3	AL	40 lb ai/a	13.3 gal/a		2X2PL		
	Perfect Blend		GR	1 ton/a	1 ton/a		PPI		
	Urea 46-0-0	46	GR	13 lb ai/a	28.3 lb/a		SD2-4lf		
13	P205-PHOS	45	GR	20 lb ai/a	44.4 lb/a		2X2PL	37.4 a	10676 a
	K2O 0-0-62	62	GR	50 lb ai/a	81 lb/a		2X2PL		
	Manganese	27	GR	2 lb ai/a	7.4 lb/a		2X2PL		
	28% Nitrogen	3	AL	40 lb ai/a	13.3 gal/a		2X2PL		
	Herbrucks		GR	1 ton/a	1 ton/a		PPI		
	Urea 46-0-0	46	GR	66 lb ai/a	143 lb/a		SD2-4lf		
14	P205-PHOS	45	GR	20 lb ai/a	44.4 lb/a		2X2PL	39.6 a	11445 a
	K2O 0-0-62	62	GR	50 lb ai/a	81 lb/a		2X2PL		
	Manganese	27	GR	2 lb ai/a	7.4 lb/a		2X2PL		
	28% Nitrogen	3	AL	40 lb ai/a	13.3 gal/a		2X2PL		
	Herbrucks		GR	2 ton/a	2 ton/a		PPI		
	Urea 46-0-0	46	GR	13 lb ai/a	28.3 lb/a		SD2-4lf		
LSD P=.10							5.10	1797.7	
Standard Deviation							3.94	1386.9	
CV							9.97	12.24	
Bartlett's X2							5.172	5.984	
P(Bartlett's X2)							0.16	0.112	
Skewness							-1.8588*	-1.3078*	
Kurtosis							4.8138*	3.2005*	
Replicate F							0.819	0.555	
Replicate Prob(F)							0.5154	0.6577	
Treatment F							0.580	0.433	
Treatment Prob(F)							0.6430	0.7345	

Crop Code

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

Rating Type

YIELD = yield

Rating Unit

T-US = ton (short=2000 lb)

ARM Action Codes

ET4 = Excluded treatment 4

ET7 = Excluded treatment 7

TY2 = 0.1244571*[C12]

T4 = [c13]*[c22]

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.