

MSU Soil Fertility Research Program

SUGARBEET N RESPONSE FOLLOWING CORN

Trial ID: BV01-15 Location: SVRF Trial Year: 15
 Investigator: Kurt Steinke
 Project ID: SideDress

Crop Code Crop Name Crop Variety Description Rating Date Rating Type Rating Unit Crop Stage Scale							BEAVA Sugarbeet Crystal RR059 Yield Oct-8-2015 T-US Harvest	BEAVA Sugarbeet Crystal RR059 RWSA Yield Oct-8-2015 lbs Harvest		
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Other Rate	Other Unit	Growth Unit	Stage	8	18
1	CHECK								18.5 e	5407 d
	P205-PHOS	45	GR	20 lb ai/a	44.4 lb/a			2X2PL		
	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		
2	P205-PHOS	45	GR	20 lb ai/a	44.4 lb/a			2X2PL	23.4 d	6821 c
	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		
3	P205-PHOS	45	GR	20 lb ai/a	44.4 lb/a			2X2PL	26.4 cd	7794 bc
	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	40 lb ai/a	87 lb/a			SD2-4lf		
4	P205-PHOS	45	GR	20 lb ai/a	44.4 lb/a			2X2PL	27.8 bc	8315 ab
	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	80 lb ai/a	174 lb/a			SD2-4lf		
5	P205-PHOS	45	GR	20 lb ai/a	44.4 lb/a			2X2PL	29.4 abc	8566 ab
	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		
6	P205-PHOS	45	GR	20 lb ai/a	44.4 lb/a			2X2PL	28.3 bc	7745 bc
	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	160 lb ai/a	348 lb/a			SD2-4lf		
7	P205-PHOS	45	GR	20 lb ai/a	44.4 lb/a			2X2PL	27.5 bc	7555 bc
	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	200 lb ai/a	435 lb/a			SD2-4lf		
8	P205-PHOS	45	GR	20 lb ai/a	44.4 lb/a			2X2PL	26.8 bcd	7837 bc
	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		
9	P205-PHOS	45	GR	20 lb ai/a	44.4 lb/a			2X2PL	30.9 ab	9101 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		

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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Trial ID: BV01-15 Location: SVRF Trial Year: 15
 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-8-2015	Oct-8-2015	
Rating Type							Yield		
Rating Unit							T-US	lbs	
Crop Stage Scale							Harvest	Harvest	
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Unit Unit	Other Rate	Other Rate	Growth Unit Stage	
10	P205-PHOS	45	GR	20 lb ai/a		44.4 lb/a		2X2PL	
	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							4.08	1246.9
	Standard Deviation							3.39	1035.3
	CV							12.47	13.16
	Replicate F							9.952	10.636
	Replicate Prob(F)							0.0001	0.0001
	Treatment F							5.441	5.052
	Treatment Prob(F)							0.0003	0.0005

Crop Code
 BEAVA, BSUG, Beta vulgaris vulg. altissima, = US
Rating Type
 Yield = yield
Rating Unit
 T-US = ton (short=2000 lb)
ARM Action Codes
 T2 = .1244571*[C7]
 T3 = [c8]*[c17]