

MSU Soil Fertility Research Program

SUGARBEET RESPONSE TO NITROGEN FOLLOWING CORN

Trial ID: BV06-18 Location: SVREC Trial Year: 2018

Investigator: Kurt Steinke

Project ID: Sidedress

							BEAVA	BEAVA	BEAVA	
							Sugarbeet	Sugarbeet	Sugarbeet	
							Crystal 675	Crystal 675	Crystal 675	
							% Sugar	RWST	RWSA	
							Oct-18-2018	Oct-18-2018	Oct-18-2018	
									LBS RWSA	
									POUNDS	
							HARVEST	HARVEST	HARVEST	
									T2	
							1	0	0	
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Other Rate	Other Rate Unit	Growth Stage	11	12	13
1	CHECK							17.6 cd	261 cd	6224 b
	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	18.1 ab	272 ab	8632 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			
3	P205-PHOS	45	GR	20 lb ai/a	44.4 lb/a		2X2PL	17.9 abc	267 abc	8347 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			
	28% Nitrogen	3	AL	40 lb ai/a	13.3 gal/a		SD2-4lf			
4	P205-PHOS	45	GR	20 lb ai/a	44.4 lb/a		2X2PL	18.3 a	275 a	8731 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			
	28% Nitrogen	3	AL	80 lb ai/a	26.7 gal/a		SD2-4lf			
5	P205-PHOS	45	GR	20 lb ai/a	44.4 lb/a		2X2PL	18.0 abc	268 abc	9316 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			
	28% Nitrogen	3	AL	120 lb ai/a	40 gal/a		SD2-4lf			
6	P205-PHOS	45	GR	20 lb ai/a	44.4 lb/a		2X2PL	17.7 bc	266 bc	8733 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			
	28% Nitrogen	3	AL	160 lb ai/a	53.3 gal/a		SD2-4lf			
7	P205-PHOS	45	GR	20 lb ai/a	44.4 lb/a		2X2PL	17.2 d	254 d	8790 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			
	28% Nitrogen	3	AL	200 lb ai/a	66.7 gal/a		SD2-4lf			
LSD P=.10							0.44	8.8	1338.3	
Standard Deviation							0.36	7.2	1091.4	
CV							2.0	2.7	13.0	
Replicate F							0.851	0.753	0.196	
Replicate Prob(F)							0.4843	0.5346	0.8977	
Treatment F							3.926	3.675	3.359	
Treatment Prob(F)							0.0110	0.0147	0.0212	

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

ARM Action Codes

T2 = [C6]*[C12]

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.