

MSU Soil Fertility Research Program  
**SUGARBEET RESPONSE TO NITROGEN FOLLOWING CORN USING SIDEDRESS APPLICATIONS**  
 Trial ID: BV11-19      Location: SVRF      Trial Year: 2019  
 Investigator: Kurt Steinke  
 Project ID: Sidedress

							BEAVA	BEAVA	BEAVA	
							Sugarbeet	Sugarbeet	Sugarbeet	
							Crystal 675	Crystal 675	Crystal 675	
							RWST	% Sugar	RWSA	
							Oct-14-2019	Oct-14-2019	Oct-14-2019	
							YIELD	YIELD	LBS RWSA	
							POUNDS	PERCENT	POUNDS	
							HARVEST	HARVEST	HARVEST	
							ET2	ET2	T2	
									0	
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Other Rate Unit	Other Rate Unit	Growth Stage			
								8	10	12
1	CHECK							276.59 b	17.90 b	4275 c
	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	283.49	18.53	6651 b
	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	285.28 ab	18.52 ab	6450 b
	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	289.60 a	18.84 a	6780 b
	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	282.48 ab	18.43 ab	9063 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	276.89 b	18.13 b	8210 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	258.63 c	17.12 c	8723 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							11.713	0.671	1207.7	
Standard Deviation							9.449	0.541	985.0	
CV							3.4	2.98	13.75	
Replicate F							0.171	0.416	2.136	
Replicate Prob(F)							0.9146	0.7442	0.1312	
Treatment F							5.248	4.924	11.269	
Treatment Prob(F)							0.0055	0.0073	0.0001	

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

Rating Type

YIELD = yield

Rating Unit

PERCENT = percent

ARM Action Codes

ET2 = Excluded treatment 2

T2 = [C7]\*[C8]

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