

MSU Soil Fertility Research Program

SUGARBEET RESPONSE TO NITROGEN FOLLOWING CORN

Trial ID: BV01-16 Location: SVRF Trial Year: 2016

Investigator: Kurt Steinke

Project ID: Sidedress

							BEAVA Sugarbeet Crystal RR059 tons/ac Oct-6-2016 YIELD T-US HARVEST	BEAVA Sugarbeet Crystal RR059 RWSA Oct-6-2016 LBS RWSA POUNDS HARVEST	
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Other Rate	Other Rate	Growth Unit Stage		
1	CHECK							6	16
	P205-PHOS	45	GR	20 lb ai/a	44.4 lb/a		2X2PL	32 c	8418 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		
2	P205-PHOS	45	GR	20 lb ai/a	44.4 lb/a		2X2PL	37 bc	9455 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	40 ab	10687 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	40 lb ai/a	87 lb/a		SD2-4lf		
4	P205-PHOS	45	GR	20 lb ai/a	44.4 lb/a		2X2PL	39	9931 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	80 lb ai/a	174 lb/a		SD2-4lf		
5	P205-PHOS	45	GR	20 lb ai/a	44.4 lb/a		2X2PL	42 ab	9883 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		
6	P205-PHOS	45	GR	20 lb ai/a	44.4 lb/a		2X2PL	39 ab	9152 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	160 lb ai/a	348 lb/a		SD2-4lf		
7	P205-PHOS	45	GR	20 lb ai/a	44.4 lb/a		2X2PL	45 a	10291 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	200 lb ai/a	435 lb/a		SD2-4lf		
8	P205-PHOS	45	GR	20 lb ai/a	44.4 lb/a		2X2PL	43 ab	10498 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.

Missing data estimates are included in columns: Yates=16

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 Investigator: Kurt Steinke
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							BEAVA	BEAVA	
							Sugarbeet	Sugarbeet	
							Crystal RR059	Crystal RR059	
							tons/ac	RWSA	
							Oct-6-2016	Oct-6-2016	
							YIELD	LBS RWSA	
							T-US	POUNDS	
							HARVEST	HARVEST	
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Other Rate	Other Rate	Growth Unit	Stage	
							6	16	
9	P205-PHOS	45	GR	20 lb ai/a	44.4 lb/a		2X2PL	39 b	9534 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							5.7	1491.5	
Standard Deviation							4.7	1230.7	
CV							11.85	12.61	
Replicate F							0.836	0.958	
Replicate Prob(F)							0.4889	0.4293	
Treatment F							2.573	1.335	
Treatment Prob(F)							0.0441	0.2760	

Crop Code

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

Rating Type

YIELD = yield

Rating Unit

T-US = ton (short=2000 lb)

ARM Action Codes

T1 = [C6]*[C15]