

MSU Soil Fertility Research Program  
**RESPONSE OF SUGARBEET TO PHOSPHORUS APPLICATIONS**  
 Trial ID: BV03-17      Location: SVREC      Trial Year: 2017  
 Investigator: Kurt Steinke  
 Project ID: PHOSBEET

Crop Code						BEAVA	BEAVA
Crop Name						Sugarbeet	Sugarbeet
Crop Variety						Beta 1399	Beta 1399
Description							RWSA
Rating Date						Oct-27-2017	Oct-27-2017
Rating Type						YIELD	LBS RWSA
Rating Unit						T-US	POUNDS
Crop Stage Scale						HARVEST	HARVEST
ARM Action Codes						TY3	T4
Number of Decimals						0	0
Trt No.	Treatment Name	Form Type	Rate Rate Unit	Other Rate	Other Rate	Growth Unit Stage	
1	Check					8	18
	28% Nitrogen Urea 46-0-0	AL GR	40 lb ai/a 120 lb ai/a	13.3 gal/a 260 lb/a		31 a	8243 a
					2X2PL SD2-4lf		
2	TSP-PHOS 28% Nitrogen Urea 46-0-0	GR AL GR	25 lb ai/a 40 lb ai/a 120 lb ai/a	55.6 lb/a 13.3 gal/a 260 lb/a		33 a	8872 a
					2X2PL 2X2PL SD2-4lf		
3	TSP-PHOS 28% Nitrogen Urea 46-0-0	GR AL GR	50 lb ai/a 40 lb ai/a 120 lb ai/a	111 lb/a 13.3 gal/a 260 lb/a		30 a	8161 a
					2X2PL 2X2PL SD2-4lf		
4	TSP-PHOS 28% Nitrogen Urea 46-0-0	GR AL GR	100 lb ai/a 40 lb ai/a 120 lb ai/a	222 lb/a 13.3 gal/a 260 lb/a		31 a	8081 a
					2X2PL 2X2PL SD2-4lf		
5	TSP-PHOS 28% Nitrogen Urea 46-0-0	GR AL GR	200 lb ai/a 40 lb ai/a 120 lb ai/a	444 lb/a 13.3 gal/a 260 lb/a		32 a	8608 a
					PPI 2X2PL SD2-4lf		
LSD P=.10						5.5	1422.0
Standard Deviation						4.3	1119.8
CV						13.71	13.34
Replicate F						0.387	0.588
Replicate Prob(F)						0.7645	0.6353
Treatment F						0.279	0.359
Treatment Prob(F)						0.8854	0.8327

Crop Code  
 BEAVA, BSUG, Beta vulgaris vulg. altissima, Sugarbeet = US  
Rating Type  
 YIELD = yield  
Rating Unit  
 T-US = ton (short=2000 lb)  
ARM Action Codes  
 TY3 = 0.1244571\*[C7]  
 T4 = [C8]\*[C17]

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=8,18