

MSU Soil Fertility Research Program  
 EVALUATION OF VARIOUS NITROGEN DELIVERY SYSTEMS  
 Trial ID: BV02-18      Location: SVREC      Trial Year: 2018  
 Investigator: Kurt Steinke  
 Project ID: ModerN Beets

						BEAVA Sugarbeet Beta 1399 % Sugar Oct-16-2018	BEAVA Sugarbeet Beta 1399 RWST Oct-16-2018	BEAVA Sugarbeet Beta 1399 RWSA Oct-16-2018	
Crop Code									
Crop Name									
Crop Variety									
Description									
Rating Date									
Rating Type								LBS RWSA	
Rating Unit								POUNDS	
Crop Stage Scale						HARVEST	HARVEST	HARVEST	
ARM Action Codes								T2	
Number of Decimals						1	0	0	
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Other Rate Unit	Growth Stage	10	11	12
1	P205-PHOS K2O 0-0-62 Manganese	45 GR 62 GR 27 GR		20 lb ai/a 50 lb ai/a 2 lb ai/a	44.4 lb/a 81 lb/a 7.4 lb/a	2X2PL 2X2PL 2X2PL	16.7 a	247 a	6750 c
2	P205-PHOS K2O 0-0-62 Manganese 28% Nitrogen 28% N Coulter	45 GR 62 GR 27 GR 3 AL 3 AL		20 lb ai/a 50 lb ai/a 2 lb ai/a 40 lb ai/a 120 lb ai/a	44.4 lb/a 81 lb/a 7.4 lb/a 13.3 gal/a 40 gal/a	2X2PL 2X2PL 2X2PL 2X2PL SD2-4lf	16.4 a	243 a	7741 b
3	P205-PHOS K2O 0-0-62 Manganese 28% Nitrogen 28% N Y-Drop	45 GR 62 GR 27 GR 3 AL 3 AL		20 lb ai/a 50 lb ai/a 2 lb ai/a 40 lb ai/a 120 lb ai/a	44.4 lb/a 81 lb/a 7.4 lb/a 13.3 gal/a 40 gal/a	2X2PL 2X2PL 2X2PL 2X2PL SD2-4lf	16.1 a	236 a	8039 b
4	P205-PHOS K2O 0-0-62 Manganese 28% Nitrogen Urea 46-0-0	45 GR 62 GR 27 GR 3 AL 46 GR		20 lb ai/a 50 lb ai/a 2 lb ai/a 40 lb ai/a 120 lb ai/a	44.4 lb/a 81 lb/a 7.4 lb/a 13.3 gal/a 260 lb/a	2X2PL 2X2PL 2X2PL 2X2PL PPI	16.2 a	239 a	8017 b
5	P205-PHOS K2O 0-0-62 Manganese 28% Nitrogen Urea 46-0-0w/agro	45 GR 62 GR 27 GR 3 AL 46 GR		20 lb ai/a 50 lb ai/a 2 lb ai/a 40 lb ai/a 120 lb ai/a	44.4 lb/a 81 lb/a 7.4 lb/a 13.3 gal/a 260 lb/a	2X2PL 2X2PL 2X2PL 2X2PL SD2-4lf	16.6 a	245 a	8936 a
6	P205-PHOS K2O 0-0-62 Manganese 28% Nitrogen 28% N RAIN drop	45 GR 62 GR 27 GR 3 AL 3 AL		20 lb ai/a 50 lb ai/a 2 lb ai/a 40 lb ai/a 120 lb ai/a	44.4 lb/a 81 lb/a 7.4 lb/a 13.3 gal/a 40 gal/a	2X2PL 2X2PL 2X2PL 2X2PL SD2-4lf	16.3 a	241 a	8199 ab

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=10,11,12

MSU Soil Fertility Research Program  
**EVALUATION OF VARIOUS NITROGEN DELIVERY SYSTEMS**  
 Trial ID: BV02-18      Location: SVREC      Trial Year: 2018  
 Investigator: Kurt Steinke  
 Project ID: ModerN Beets

Crop Code						BEAVA	BEAVA	BEAVA	
Crop Name						Sugarbeet	Sugarbeet	Sugarbeet	
Crop Variety						Beta 1399	Beta 1399	Beta 1399	
Description						% Sugar	RWST	RWSA	
Rating Date						Oct-16-2018	Oct-16-2018	Oct-16-2018	
Rating Type								LBS RWSA	
Rating Unit								POUNDS	
Crop Stage Scale						HARVEST	HARVEST	HARVEST	
ARM Action Codes								T2	
Number of Decimals						1	0	0	
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Other Rate Unit	Growth Stage			
							10	11	
	7 P205-PHOS	45 GR		20 lb ai/a	44.4 lb/a	2X2PL	16.6 a	247 a	7318 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			
	28% N STREAMER	3 AL		120 lb ai/a	40 gal/a	SD2-4lf			
	LSD P=.10						0.51	10.0	885.9
	Standard Deviation						0.42	8.1	720.2
	CV						2.53	3.36	9.17
	Replicate F						0.556	0.610	4.644
	Replicate Prob(F)						0.6513	0.6174	0.0151
	Treatment F						1.213	0.942	3.690
	Treatment Prob(F)						0.3472	0.4915	0.0156

Crop Code  
 BEAVA, BSUG, Beta vulgaris vulg. altissima, Sugarbeet = US  
ARM Action Codes  
 T2 = [c5]\*[c11]

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=10,11,12