

# MSU Soil Fertility Research Program

## EFFECTS OF PHOSPHORUS AND POTASIUUM WITH UREA AND ESN, 2012

Trial ID: BV07-12      Location: SVRF    Trial Year:  
 Protocol ID: BV07-12    Investigator: Kurt Steinke  
 Project ID: BV07-12     Study Director:  
 Sponsor Contact:

Crop Code						BEAVA	BEAVA
Crop Name						Sugarbeet	Sugarbeet
Crop Variety						Hilleshog 9042	Hilleshog 9042
Description						harvest	harvest
Rating Date						Oct-9-2012	Oct-9-2012
Rating Type						YIELD	RWST
Rating Unit						T-US	
Crop Stage Scale							
ARM Action Codes						TY1	
Number of Decimals						1	2
Trt No.	Treatment	Rate	Other	Other	Growth Stage	Appl Code	
		Rate Unit	Rate	Rate Unit			
1	UREA 46-0-0 28 % NITROGEN	200 lb ai/a 20 lb ai/a	435 lb/a 6.7 gal/a		PPI 2X2PL	A B	25.6 a
2	ESN 44-0-0 28 % NITROGEN	200 lb ai/a 20 lb ai/a	455 lb/a 6.7 gal/a		PPI 2X2PL	A B	27.7 a
3	UREA 46-0-0 MAP 11-52-0 28 % NITROGEN	191 lb ai/a 40 lb ai/a 20 lb ai/a	415 lb/a 77 lb/a 6.7 gal/a		PPI PPI 2X2PL	A A B	27.7 a
4	UREA 46-0-0 K2O 0-0-62 28 % NITROGEN	200 lb ai/a 100 lb ai/a 20 lb ai/a	435 lb/a 161 lb/a 6.7 gal/a		PPI PPI 2X2PL	A A B	25.8 a
5	UREA 46-0-0 MAP 11-52-0 K2O 0-0-62 28 % NITROGEN	191 lb ai/a 40 lb ai/a 100 lb ai/a 20 lb ai/a	415 lb/a 77 lb/a 161 lb/a 6.7 gal/a		PPI PPI PPI 2X2PL	A A A B	25.9 a
6	ESN 44-0-0 MAP 11-52-0 28 % NITROGEN	191 lb ai/a 40 lb ai/a 20 lb ai/a	434 lb/a 77 lb/a 6.7 gal/a		PPI PPI 2X2PL	A A B	27.4 a
7	ESN 44-0-0 K2O 0-0-62 28 % NITROGEN	200 lb ai/a 100 lb ai/a 20 lb ai/a	455 lb/a 161 lb/a 6.7 gal/a		PPI PPI 2X2PL	A A B	28.2 a
8	ESN 44-0-0 MAP 11-52-0 K2O 0-0-62 28 % NITROGEN	191 lb ai/a 40 lb ai/a 100 lb ai/a 20 lb ai/a	434 lb/a 77 lb/a 161 lb/a 6.7 gal/a		PPI PPI PPI 2X2PL	A A A B	29.1 a
LSD (P= .05)							3.59
Standard Deviation							2.44
CV							9.0
Bartlett's X2							6.113
P(Bartlett's X2)							0.527
Skewness							-0.378
Kurtosis							-0.2007
							17.136
							11.651
							4.1
							10.028
							0.187
							-0.0228
							0.4589

Crop Code  
 BEAVA, BSUG, Beta vulgaris vulg. altissima, = US  
Rating Type  
 YIELD = yield  
Rating Unit  
 T-US = ton (short=2000 lb)  
ARM Action Codes  
 TY1 = 0.1244571\*[C15]

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)  
 Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.