

MSU Soil Fertility Research Program

SUGAR BEET RESPONSE TO NITROGEN FOLLOWING CORN, 2012

Trial ID: BV01-12      Location: SVRF      Trial Year:  
 Protocol ID: BV01-12      Investigator: Kurt Steinke  
 Project ID: BV01-12      Study Director:  
 Sponsor Contact:

Crop Code						BEAVA
Crop Name						Sugarbeet
Crop Variety						Hilleshog 9042
Description						harvest
Rating Date						Oct-5-2012
Rating Type						YIELD
Rating Unit						T-US
Crop Stage Scale						
ARM Action Codes						TY1
Number of Decimals						1
Trt No.	Treatment Name	Rate Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code
						52
4	120 lbs TOTAL N					A
	P205-PHOS	20 lb ai/a	44.4 lb/a		2x2PL	A
	K20-POTASH	50 lb ai/a	81 lb/a		2x2PL	A
	MANGANESE	2 lb/a	2 lb/a		2x2PL	A
	28 % NITROGEN	40 lb ai/a			2x2PL	A
	UREA 46-0-0	80 lb ai/a	174 lb/a		2-4 LF	B
						32.5 a
8	120 lbs TOTAL N					A
	P205-PHOS	20 lb ai/a	44.4 lb/a		2x2PL	A
	K20-POTASH	50 lb ai/a	81 lb/a		2x2PL	A
	MANGANESE	2 lb/a	2 lb/a		2x2PL	A
	28 % NITROGEN	40 lb ai/a			2x2PL	A
	AMMONUM SULF	80 lb ai/a	380 lb/a		2-4 LF	B
						32.9 a
9	120 lbs TOTAL N					A
	P205-PHOS	20 lb ai/a	44.4 lb/a		2x2PL	A
	K20-POTASH	50 lb ai/a	81 lb/a		2x2PL	A
	MANGANESE	2 lb/a	2 lb/a		2x2PL	A
	28 % NITROGEN	40 lb ai/a			2x2PL	A
	AMM SULF NIT	80 lb ai/a	308 lb/a		2-4 LF	B
						30.4 a
10	120 lbs TOTAL N					A
	P205-PHOS	20 lb ai/a	44.4 lb/a		2x2PL	A
	K20-POTASH	50 lb ai/a	81 lb/a		2x2PL	A
	MANGANESE	2 lb/a	2 lb/a		2x2PL	A
	28 % NITROGEN	40 lb ai/a			2x2PL	A
	ESN	80 lb ai/a	182 lb/a		PREPLNT F	
						32.0 a
	LSD (P=.05)					3.55
	Standard Deviation					2.22
	CV					6.95

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

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Randomized Complete Block (RCB) AOV For BEAVA Sugarbeet Hilleshog 9042 harvest Oct-5-2012 YIELD T-US TY1 1 (Data Column 52)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	15	106.497645			
Replicate	3	48.160047	16.053349	3.255	0.0738
Treatment	3	13.951290	4.650430	0.943	0.4597
Error	9	44.386308	4.931812		

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\*[C52]