

MSU Soil Fertility Research Program

EFFECTIVENESS OF CRYSTAL GREEN AS P SOURCE IN SUGARBEET PRODUCTION

Trial ID: BV03-15 Location: SVRF Trial Year: 15
 Investigator: Kurt Steinke
 Project ID: OstCrystalBeets

Crop Code Crop Name Crop Variety Description Rating Date Rating Type Rating Unit Crop Stage Scale							BEAVA Sugarbeet Crystal RR059 Yield Oct-8-2015 T-US Harvest	BEAVA Sugarbeet Crystal RR059 RWSA Yield Oct-8-2015 lbs Harvest
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Other Rate Rate Unit	Growth Stage	40	50
1	CHECK 28% Nitrogen Urea 46-0-0 CULTIVATION	3 SC 46 GR		40 lb ai/a 120 lb ai/a	13.3 gal/a 260 lb/a	2X2PL SD2-4LF SD2-4LF	25.0 a	7017 a
2	MAP 11-52-0 28% Nitrogen Urea 46-0-0 CULTIVATION	52 GR 3 SC 46 GR		55 lb ai/a 40 lb ai/a 108 lb ai/a	106 lb/a 13.3 gal/a 235 lb/a	2X2 2X2PL SD2-4LF SD2-4LF	24.8 a	6835 a
3	Crystal Green MAP 11-52-0 28% Nitrogen Urea 46-0-0 CULTIVATION	28 GR 52 GR 3 SC 46 GR		14 lb ai/a 41.6 lb ai/a 40 lb ai/a 109 lb ai/a	50 lb/a 80 lb/a 13.3 gal/a 235 lb/a	2X2 2X2 2X2PL SD2-4LF SD2-4LF	30.6 a	8520 a
4	Crystal Green MAP 11-52-0 28% Nitrogen Urea 46-0-0 CULTIVATION	28 GR 52 GR 3 SC 46 GR		27.4 lb ai/a 27.6 lb ai/a 40 lb ai/a 109 lb ai/a	98 lb/a 53 lb/a 13.3 gal/a 237 lb/a	2X2 2X2 2X2PL SD2-4LF SD2-4LF	30.3 a	8440 a
5	Crystal Green MAP 11-52-0 28% Nitrogen Urea 46-0-0 CULTIVATION	28 GR 52 GR 3 SC 46 GR		10.6 lb ai/a 31.7 lb ai/a 40 lb ai/a 111 lb ai/a	38 lb/a 61 lb/a 13.3 gal/a 243 lb/a	2X2 2X2 2X2PL SD2-4LF SD2-4LF	26.5 a	7335 a
6	Crystal Green MAP 11-52-0 28% Nitrogen Urea 46-0-0 CULTIVATION	28 GR 52 GR 3 SC 46 GR		21 lb ai/a 20.8 lb ai/a 40 lb ai/a 112 lb ai/a	75 lb/a 40 lb/a 13.3 gal/a 243 lb/a	2X2 2X2 2X2PL SD2-4LF SD2-4LF	30.3 a	8484 a
LSD P=.10							6.89	2005.1
Standard Deviation							5.56	1617.6
CV							19.9	20.81
Replicate F							3.459	3.417
Replicate Prob(F)							0.0434	0.0449
Treatment F							1.013	0.964
Treatment Prob(F)							0.4439	0.4704

Crop Code
 BEAVA, BSUG, Beta vulgaris vulg. altissima, = US
Rating Type
 Yield = yield
Rating Unit
 T-US = ton (short=2000 lb)
ARM Action Codes
 T2 = .1244571*[C39]
 T3 = [C40]*[C49]

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.