

MSU Soil Fertility Research Program

COMPARISON OF POPUP FERTILIZER TREATMENTS IN SUGARBEET

Trial ID: BV08-15 Location: SVRF Trial Year: 2015
 Investigator: Kurt Steinke
 Project ID: WCBeets

							BEAVA Sugarbeet Crystal RR059 yield Oct-8-2015 Yield T-US Harvest	BEAVA Sugarbeet Crystal RR059 RWSA Oct-8-2015 Yield lbs Harvest
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Other Rate Rate Unit	Growth Stage	9	19
1	CHECK 28% Nitrogen Urea 46-0-0 Treated w/ Agrotain	3 AL 46 GR		13.3 gal/a 120 lb ai/a	13.3 gal/a 260 lb/a	2X2PL SD-2-4lf	28.3 a	7804 a
2	10-34-0 Water Blue Tsunami 28% Nitrogen Urea 46-0-0	AL AL AL 3 AL 46 GR		3 gal/a 2.75 gal/a 1 qt/a 13.3 gal/a 120 lb ai/a	3 gal/a 2.75 gal/a 1 qt/a 13.3 gal/a 260 lb/a	IN-FUR IN-FUR IN-FUR 2X2PL SD-2-4lf	28.6 a	7969 a
3	10-34-0 Water WC216 28% Nitrogen Urea 46-0-0	AL AL AL 3 AL 46 GR		3 gal/a 2.5 gal/a 2 qt/a 13.3 gal/a 120 lb ai/a	3 gal/a 2.5 gal/a 2 qt/a 13.3 gal/a 260 lb/a	IN-FUR IN-FUR IN-FUR 2X2PL SD-2-4lf	31.3 a	8716 a
4	10-34-0 Water Aventine 28% Nitrogen Urea 46-0-0	AL AL AL 3 AL 46 GR		3 gal/a 2.5 gal/a 2 qt/a 13.3 gal/a 120 lb ai/a	3 gal/a 2.5 gal/a 2 qt/a 13.3 gal/a 260 lb/a	IN-FUR IN-FUR IN-FUR 2X2PL SD-2-4lf	31.7 a	8780 a
5	10-34-0 Blue Tsunami Water WC216 28% Nitrogen Urea 46-0-0	AL AL AL AL 3 AL 46 GR		3 gal/a 1 qt/a 2.25 gal/a 2 qt/a 13.3 gal/a 120 lb ai/a	3 gal/a 1 qt/a 2.25 gal/a 2 qt/a 13.3 gal/a 260 lb/a	IN-FUR IN-FUR IN-FUR IN-FUR 2X2PL SD-2-4lf	30.8 a	8611 a
6	10-34-0 Aventine Water WC216 28% Nitrogen Urea 46-0-0	AL AL AL AL 3 AL 46 GR		3 gal/a 2 qt/a 2 gal/a 2 qt/a 13.3 gal/a 120 lb ai/a	3 gal/a 2 qt/a 2 gal/a 2 qt/a 13.3 gal/a 260 lb/a	IN-FUR IN-FUR IN-FUR IN-FUR 2X2PL SD-2-4lf	28.0 a	7720 a
7	10-34-0 Water Mn EDTA 6% 28% Nitrogen Urea 46-0-0	AL AL AL 3 AL 46 GR		3 gal/a 2.75 gal/a 1 qt/a 13.3 gal/a 120 lb ai/a	3 gal/a 2.75 gal/a 1 qt/a 13.3 gal/a 260 lb/a	IN-FUR IN-FUR IN-FUR 2X2PL SD-2-4lf	30.0 a	8473 a
8	10-34-0 WC216 Water Mn EDTA 6% 28% Nitrogen Urea 46-0-0	AL AL AL AL 3 AL 46 GR		3 gal/a 2 qt/a 2.25 gal/a 1 qt/a 13.3 gal/a 120 lb ai/a	3 gal/a 2 qt/a 2.25 gal/a 1 qt/a 13.3 gal/a 260 lb/a	IN-FUR IN-FUR IN-FUR IN-FUR 2X2PL SD-2-4lf	25.2 a	7015 a

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=9,19

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Crop Code						BEAVA	BEAVA
Crop Name						Sugarbeet	Sugarbeet
Crop Variety						Crystal RR059	Crystal RR059
Description						yield	RWSA
Rating Date						Oct-8-2015	Oct-8-2015
Rating Type						Yield	
Rating Unit						T-US	lbs
Crop Stage Scale						Harvest	Harvest
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Other Rate Rate Unit	Growth Unit Stage	
9	WC139	AL		3 gal/a	3 gal/a	IN-FUR	28.5 a
	Water	AL		3 gal/a	3 gal/a	IN-FUR	7688 a
	28% Nitrogen	3 AL		13.3 gal/a	13.3 gal/a	2X2PL	
	Urea 46-0-0	46 GR		120 lb ai/a	260 lb/a	SD-2-4lf	
LSD P=.10						3.92	1072.0
Standard Deviation						3.23	884.6
CV						11.09	10.94
Replicate F						3.024	2.797
Replicate Prob(F)						0.0502	0.0629
Treatment F						1.557	1.812
Treatment Prob(F)						0.1925	0.1264

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*[C8]
 T3 = [C9]*[C18]