

MSU Soil Fertility Research Program

CORN RESPONSE TO GRANULAR BORON.

Trial ID: CSV11-14 Location: SVRF Trial Year: 2014

Investigator: Kurt Steinke

Project ID: MOGRANBO

Crop Code							ZEAMX	
Crop Name							Corn	
Crop Variety							DKC 48-12RIB	
Description							15% moist	
Rating Date							Nov-7-2014	
Rating Type							YIELD	
Rating Unit							BU	
Crop Stage Scale							HARVEST	
ARM Action Codes							TY2	
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Other Rate	Other Unit	Growth Stage	
								8
1	Urea 46-0-0	46	GR	163 lb ai/a	354 lb/a		PPI	206.8 a
	MAP 11-52-0	52	GR	80 lb ai/a	154 lb/a		PPI	
2	Urea 46-0-0	46	GR	163 lb ai/a	354 lb/a		PPI	218.8 a
	MOP Mosaic	60	GR	60 lb ai/a	100 lb/a		PPI	
	MAP 11-52-0	52	GR	80 lb ai/a	154 lb/a		PPI	
3	Urea 46-0-0	46	GR	163 lb ai/a	354 lb/a		PPI	208.1 a
	Aspire	58	GR	60 lb ai/a	103 lb/a		PPI	
	MAP 11-52-0	52	GR	80 lb ai/a	154 lb/a		PPI	
4	Urea 46-0-0	46	GR	163 lb ai/a	354 lb/a		PPI	191.8 a
	Aspire	58	GR	120 lb ai/a	207 lb/a		PPI	
	MAP 11-52-0	52	GR	80 lb ai/a	154 lb/a		PPI	
5	Urea 46-0-0	46	GR	158 lb ai/a	343 lb/a		PPI	207.5 a
	Aspire	58	GR	60 lb ai/a	103 lb/a		PPI	
	MESZ	40	GR	80 lb ai/a	200 lb/a		PPI	
6	Urea 46-0-0	46	GR	163 lb ai/a	354 lb/a		PPI	199.6 a
	MOP Mosaic	60	GR	60 lb ai/a	100 lb/a		PPI	
	GranBoronPPI	14.3	GR	0.5 lb ai/a	3.5 lb/a		PPI	
	MAP 11-52-0	52	GR	80 lb ai/a	154 lb/a		PPI	
7	Urea 46-0-0	46	GR	163 lb ai/a	354 lb/a		PPI	197.6 a
	MOP Mosaic	60	GR	60 lb ai/a	100 lb/a		PPI	
	GranBoronPPI	14.3	GR	1 lb ai/a	7 lb/a		PPI	
	MAP 11-52-0	52	GR	80 lb ai/a	154 lb/a		PPI	
8	Urea 46-0-0	46	GR	163 lb ai/a	354 lb/a		PPI	197.5 a
	MOP Mosaic	60	GR	60 lb ai/a	100 lb/a		PPI	
	GranBoronPPI	14.3	GR	2 lb ai/a	14 lb/a		PPI	
	MAP 11-52-0	52	GR	80 lb ai/a	154 lb/a		PPI	
9	Urea 46-0-0	46	GR	163 lb ai/a	354 lb/a		PPI	190.8 a
	MOP Mosaic	60	GR	60 lb ai/a	100 lb/a		PPI	
	GranBoronPPI	14.3	GR	4 lb ai/a	28 lb/a		PPI	
	MAP 11-52-0	52	GR	80 lb ai/a	154 lb/a		PPI	

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.

Missing data estimates are included in columns: Yates=8

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Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Other Rate	Other Rate	Growth Unit Stage	8
10	Urea 46-0-0	46	GR	163 lb ai/a	354 lb/a		PPI	187.4 a
	MOP Mosaic	60	GR	60 lb ai/a	100 lb/a		PPI	
	Tiger S w/ B	2	GR	0.5 lb ai/a	25 lb/a		PPI	
	MAP 11-52-0	52	GR	80 lb ai/a	154 lb/a		PPI	
LSD (P=.05)							33.14	
Standard Deviation							22.79	
CV							11.36	
Bartlett's X2							5.426	
P(Bartlett's X2)							0.796	
Skewness							-0.3634	
Kurtosis							-0.5671	
Replicate F							2.040	
Replicate Prob(F)							0.1329	
Treatment F							0.718	
Treatment Prob(F)							0.6877	

Crop Code  
 ZEAMX, BCOR, Zea mays, = US  
Rating Type  
 YIELD = yield  
Rating Unit  
 BU = bushel  
ARM Action Codes  
 TY2 = 3.889286\*[C5]\*(100-[C6])/85