

MSU Soil Fertility Research Program

CORN RESPONSE TO BORON.

Trial ID: CSV02-13 Location: SVRF Trial Year: 2013
Investigator: Kurt Steinke

Project ID: MOBO

Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Form Unit	Other Rate	Other Unit	Growth Stage	Appl Code	Yield Bu/Ac
Crop Code Crop Name Crop Variety Description Rating Date Rating Type Rating Unit Crop Stage Scale ARM Action Codes Number of Decimals										ZEAMX Corn Stein 9523 VT3 15% moist Oct-30-2013 Yield Bu/Ac TY2 1
										9
1	Urea 46-0-0	46	GR	163	lb ai/a	354	lb/a	PPI	A	202.0 a
	MAP 11-52-0	52	GR	80	lb ai/a	154	lb/a	PPI	A	
2	Urea 46-0-0	46	GR	163	lb ai/a	354	lb/a	PPI	A	200.9 a
	MOP Mosaic	60	GR	60	lb ai/a	100	lb/a	PPI	A	
	MAP 11-52-0	52	GR	80	lb ai/a	154	lb/a	PPI	A	
3	Urea 46-0-0	46	GR	163	lb ai/a	354	lb/a	PPI	A	208.4 a
	EM-1	59	GR	60	lb ai/a	102	lb/a	PPI	A	
	MAP 11-52-0	52	GR	80	lb ai/a	154	lb/a	PPI	A	
4	Urea 46-0-0	46	GR	163	lb ai/a	354	lb/a	PPI	A	197.3 a
	EM-1	59	GR	120	lb ai/a	203	lb/a	PPI	A	
	MAP 11-52-0	52	GR	80	lb ai/a	154	lb/a	PPI	A	
5	Urea 46-0-0	46	GR	158	lb ai/a	343	lb/a	PPI	A	201.2 a
	EM-1	59	GR	60	lb ai/a	102	lb/a	PPI	A	
	MESZ	40	GR	80	lb ai/a	200	lb/a	PPI	A	
6	Urea 46-0-0	46	GR	163	lb ai/a	354	lb/a	PPI	A	205.5 a
	MOP Mosaic	60	GR	60	lb ai/a	100	lb/a	PPI	A	
	GranBoronPPI	14.3	GR	0.5	lb ai/a	3.5	lb/a	PPI	A	
	MAP 11-52-0	52	GR	80	lb ai/a	154	lb/a	PPI	A	
7	Urea 46-0-0	46	GR	163	lb ai/a	354	lb/a	PPI	A	210.8 a
	MOP Mosaic	60	GR	60	lb ai/a	100	lb/a	PPI	A	
	GranBoronPPI	14.3	GR	1	lb ai/a	7	lb/a	PPI	A	
	MAP 11-52-0	52	GR	80	lb ai/a	154	lb/a	PPI	A	
8	Urea 46-0-0	46	GR	163	lb ai/a	354	lb/a	PPI	A	205.3 a
	MOP Mosaic	60	GR	60	lb ai/a	100	lb/a	PPI	A	
	GranBoronPPI	14.3	GR	2	lb ai/a	14	lb/a	PPI	A	
	MAP 11-52-0	52	GR	80	lb ai/a	154	lb/a	PPI	A	
9	Urea 46-0-0	46	GR	163	lb ai/a	354	lb/a	PPI	A	205.8 a
	MOP Mosaic	60	GR	60	lb ai/a	100	lb/a	PPI	A	
	GranBoronPPI	14.3	GR	4	lb ai/a	28	lb/a	PPI	A	
	MAP 11-52-0	52	GR	80	lb ai/a	154	lb/a	PPI	A	
10	Urea 46-0-0	46	GR	163	lb ai/a	354	lb/a	PPI	A	204.1 a
	MOP Mosaic	60	GR	60	lb ai/a	100	lb/a	PPI	A	
	Tiger S w/ B	2	GR	0.5	lb ai/a	25	lb/a	PPI	A	
	MAP 11-52-0	52	GR	80	lb ai/a	154	lb/a	PPI	A	
11	Urea 46-0-0	46	GR	163	lb ai/a	354	lb/a	PPI	A	200.1 a
	MOP Mosaic	60	GR	60	lb ai/a	100	lb/a	PPI	A	
	SoluBor Foliar	20.5	GR	0.5	lb ai/a	2.44	lb/a	V5-V6	B	
	MAP 11-52-0	52	GR	80	lb ai/a	154	lb/a	PPI	A	

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=9

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Crop Code									ZEAMX		
Crop Name									Corn		
Crop Variety									Stein 9523 VT3		
Description									15% moist		
Rating Date									Oct-30-2013		
Rating Type									Yield		
Rating Unit									Bu/Ac		
Crop Stage Scale									TY2		
ARM Action Codes									1		
Number of Decimals											
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Unit	Other Rate	Other Rate	Growth Unit	Stage	Appl Code	
12	Urea 46-0-0	46	GR	163	lb ai/a	354	lb/a	PPI	A		9
	EM-1	59	GR	60	lb ai/a	102	lb/a	PPI	A		214.1 a
	SoluBor Foliar	20.5	GR	0.5	lb ai/a	2.44	lb/a	V5-V6	B		
	MAP 11-52-0	52	GR	80	lb ai/a	154	lb/a	PPI	A		
LSD (P=.05)											10.19
Standard Deviation											7.06
CV											3.45
Bartlett's X2											4.946
P(Bartlett's X2)											0.934
Skewness											-1.045*
Kurtosis											0.6043
Replicate F											43.436
Replicate Prob(F)											0.0001
Treatment F											1.842
Treatment Prob(F)											0.0877

Crop Code
 ZEAMX, BCOR, Zea mays, = US
Rating Type
 Yield = yield
Rating Unit
 Bu/Ac = bushels per acre
ARM Action Codes
 TY2 = 3.889286*[C8]*(100-[C6])/85