

MSU Soil Fertility Research Program

CORN RESPONSE TO MICRONUTRIENTS UNDER HIGH YIELD MANAGEMENT, 2012

Trial ID: CSV02-12 Location: SVRF Trial Year:
 Protocol ID: CSV02-12 Investigator: Kurt Steinke
 Project ID: CSV02-12 Study Director:
 Sponsor Contact:

Crop Code							ZEAMX
Crop Name							Corn
Crop Variety							DKC 48-12 RIB
Description							at 15.5%
Rating Date							Oct-9-2012
Rating Type							yield
Rating Unit							bu/ac
Crop Stage Scale							
ARM Action Codes							TY1
Number of Decimals							0
Trt No.	Treatment Name	Rate	Other Rate	Other Rate	Growth Stage	Appl Code	
		Rate Unit	Rate	Rate	Unit		26
1	CHECK					A	87 a
2	UREA 46-0-0 28 % NITROGEN	144 lb ai/a 96 lb ai/a	313 lb/a 32 gal/a		PPI SD V4	A B	132 a
3	UREA 46-0-0 28 % NITROGEN MAP 11-52-0 MOP	133 lb ai/a 96 lb ai/a 100 lb ai/a 75 lb ai/a	290 lb/a 32 gal/a 192 lb/a 125 lb/a		PPI SD V4 PPI PPI	A B A A	135 a
4	UREA 46-0-0 28 % NITROGEN MESZ 12-40-0-10S-1ZN MOP	132 lb ai/a 96 lb ai/a 100 lb ai/a 75 lb ai/a	287 lb/a 32 gal/a 250 lb/a 125 lb/a		PPI SD V4 PPI PPI	A B A A	134 a
5	UREA 46-0-0 28 % NITROGEN MESB 11-46-0-6S,0.4B MOP	133 lb ai/a 96 lb ai/a 100 lb ai/a 75 lb ai/a	290 lb/a 32 gal/a 217 lb/a 125 lb/a		PPI SD V4 PPI PPI	A B A A	104 a
6	UREA 46-0-0 28 % NITROGEN ACT102L MOP	133 lb ai/a 96 lb ai/a 100 lb ai/a 75 lb ai/a	290 lb/a 32 gal/a 263 lb/a 125 lb/a		PPI SD V4 PPI PPI	A B A A	139 a
7	UREA 46-0-0 28 % NITROGEN ACT165 MOP	133 lb ai/a 96 lb ai/a 100 lb ai/a 75 lb ai/a	290 lb/a 32 gal/a 278 lb/a 125 lb/a		PPI SD V4 PPI PPI	A B A A	131 a
8	UREA 46-0-0 28 % NITROGEN HM16 MAP 11-52-0	133 lb ai/a 96 lb ai/a 75 lb ai/a 100 lb ai/a	290 lb/a 32 gal/a 125 lb/a 192 lb/a		PPI SD V4 PPI PPI	A B A A	136 a
9	UREA 46-0-0 28 % NITROGEN EM-2 MAP 11-52-0	133 lb ai/a 96 lb ai/a 75 lb ai/a 100 lb ai/a	290 lb/a 32 gal/a 134 lb/a 192 lb/a		PPI SD V4 PPI PPI	A B A A	130 a
10	UREA 46-0-0 28 % NITROGEN EM-3 MAP 11-52-0	133 lb ai/a 96 lb ai/a 75 lb ai/a 100 lb ai/a	290 lb/a 32 gal/a 134 lb/a 192 lb/a		PPI SD V4 PPI PPI	A B A A	134 a
11	UREA 46-0-0 28 % NITROGEN EM-1 MAP 11-52-0	133 lb ai/a 96 lb ai/a 75 lb ai/a 100 lb ai/a	290 lb/a 32 gal/a 134 lb/a 192 lb/a		PPI SD V4 PPI PPI	A B A A	157 a
12	UREA 46-0-0 28 % NITROGEN EM-4 MAP 11-52-0	133 lb ai/a 96 lb ai/a 75 lb ai/a 100 lb ai/a	290 lb/a 32 gal/a 134 lb/a 192 lb/a		PPI SD V4 PPI PPI	A B A A	119 a
LSD (P=.05)							41.1
Standard Deviation							28.5
CV							22.23
Bartlett's X2							7.662
P(Bartlett's X2)							0.743
Skewness							-0.017
Kurtosis							-0.9564

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

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Crop Code

ZEAMX, BCOR, Zea mays, = US

Rating Unit

bu/ac = bushels per acre

ARM Action Codes

TY1 = $4.444898 * [C25] * (100 - [C23]) / 84.5$