

MSU Soil Fertility Research Program

THE EFFECTS OF N ZONE IN CORN

Trial ID: CEL12-13 Location: CAMPUS Trial Year: 2013
 Investigator: Kurt Steinke
 Project ID: NZONE

Crop Code								ZEAMX	
Crop Name								Corn	
Crop Variety								DKC 48-12RIB	
Description								15% moist	
Rating Date								Oct-29-2013	
Rating Type								Yield	
Rating Unit								Bu/ac	
Crop Stage Scale									
ARM Action Codes								ET4 TY1	
Number of Decimals								1	
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Other Rate	Other Rate	Growth Stage	Appl Code	
1	CHECK						A		147.3 b
2	19-17-0 N ZONE urea	2.11 46	SL GR	9.5 gal/a 115 lb ai/a	9.5 gal/a 250 lb/a		2x2PI PRE	A B	187.4 a
3	19-17-0 N ZONE urea	2.11 46	SL GR	9.5 gal/a 80 lb ai/a	9.5 gal/a 174 lb/a		2x2PI PRE	A B	165.6 ab
4	19-17-0 Urea 46-0-0	2.11 46	SL GR	9.5 gal/a 115 lb ai/a	9.5 gal/a 250 lb/a		2x2PI PRE	A B	191.8
5	19-17-0 Urea 46-0-0	2.11 46	SL GR	9.5 gal/a 80 lb ai/a	9.5 gal/a 174 lb/a		2x2PI PRE	A B	168.4 ab
LSD (P=.05)									25.89
Standard Deviation									16.19
CV									9.68
Bartlett's X2									2.459
P(Bartlett's X2)									0.483
Skewness									-0.8256
Kurtosis									-0.2522
Replicate F									19.479
Replicate Prob(F)									0.0003
Treatment F									4.119
Treatment Prob(F)									0.0428

Crop Code
 ZEAMX, BCOR, Zea mays, = US
Rating Type
 Yield = yield
Rating Unit
 Bu/ac = bushels per acre
ARM Action Codes
 ET4 = Excluded treatment 4
 TY1 = 3.889286*[C7]*(100-[C5])/85

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.