

# MSU Soil Fertility Research Program

## THE EFFECT OF SOILBUILDER AF WHEN APPLIED WITH UAN SOLUTION ON CORN NITROGEN UPTAKE AND YIELD, 2012

Trial ID: CEL13-12                      Location: CAMPUS   Trial Year:  
 Protocol ID: CEL13-12                Investigator: Kurt Steinke  
 Project ID: ADV SOL 10 REP        Study Director:  
                                                  Sponsor Contact:

Crop Code							ZEAMX
Crop Name							Corn
Crop Variety							DKC 48-12 RIB
Description							at 15.5%
Rating Date							Oct-8-2012
Rating Type							yield
Rating Unit							bu/ac
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		4
1	SoilBuilder AF NO NITROGEN				PPI A	A A	116 b
2	SoilBuilder AF 28 % NITROGEN	150 lb ai/a	50 gal/a		PPI PPI	A A	160 a
3	SoilBuilder AF NO NITROGEN	2 qt/a	2 qt/a		PPI A	A A	122 b
4	SoilBuilder AF 28 % NITROGEN	2 qt/a 150 lb ai/a	2 qt/a 50 gal/a		PPI PPI	A A	149 a
LSD (P=.05)							16.2
Standard Deviation							17.6
CV							12.9
Bartlett's X2							0.787
P(Bartlett's X2)							0.853
Skewness							0.0193
Kurtosis							-0.2108

Crop Code  
 ZEAMX, BCOR, Zea mays, = US  
Rating Unit  
 bu/ac = bushels per acre  
ARM Action Codes  
 TY1 = 3.889286\*[3]\*(100-[1])/84.5

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.