

MSU Soil Fertility Research Program

THE EFFECT OF NZONE NITROGEN STABILIZER AS A NITROGEN FERTILIZER ADDITIVE IN CORN, 2012

Trial ID: CEL07-12 Location: CAMPUS Trial Year:
 Protocol ID: CEL07-12 Investigator: Kurt Steinke
 Project ID: AgExp Study Director:
 Sponsor Contact:

Crop Code	ZEAMX						
Crop Name	Corn						
Crop Variety	DKC 48-12 RIB						
Description	at 15.5%						
Rating Date	Oct-10-2012						
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	
1	CHECK NO NITROGEN					A A	100 c
2	19-17-0 Starter Zinc- chelated UREA N ZONE N MAX	30 lb ai/a 1 qt/a 120 lb ai/a 3 qt/ton	18.9 gal/a 1 qt/a 260 lb/a		2X2 PL 2X2 PL PRE PRE	A A B B	137 a
3	19-17-0 Starter Zinc- chelated UREA N ZONE N MAX	30 lb ai/a 1 qt/a 80 lb ai/a 3 qt/ton	18.9 gal/a 1 qt/a 174 lb/a		2X2 PL 2X2 PL PRE PRE	A A B B	122 ab
4	19-17-0 Starter Zinc- chelated UREA 46-0-0	30 lb ai/a 1 qt/a 120 lb ai/a	18.9 gal/a 1 qt/a 260 lb/a		2X2 PL 2X2 PL PRE	A A B	124 ab
5	19-17-0 Starter Zinc- chelated UREA 46-0-0	30 lb ai/a 1 qt/a 80 lb ai/a	18.9 gal/a 1 qt/a 174 lb/a		2X2 PL 2X2 PL PRE	A A B	114 bc
LSD (P=.05)							20.1
Standard Deviation							13.1
CV							10.95
Bartlett's X2							5.601
P(Bartlett's X2)							0.231
Skewness							0.7531
Kurtosis							-0.1051

Crop Code
 ZEAMX, BCOR, Zea mays, = US
Rating Unit
 bu/ac = bushels per acre
ARM Action Codes
 TY1 = 3.889286*[C13]*(100-[C11])/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.