

# MSU Soil Fertility Research Program

## EFFECT OF NITROGEN STABILIZERS AND APPLICATION METHOD, 2012

Trial ID: CEL11-12  
 Protocol ID: CEL11-12  
 Project ID: ANDER9

Location: CAMPUS Trial Year:  
 Investigator: Kurt Steinke  
 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 Unit	Growth Stage	Appl Code
		Rate Unit	Rate Unit			
1	19-17-0 Chelated ZN UREA 46-0-0	15 gal/a 1 qt/a 120 lb ai/a	15 gal/a 1 qt/a 260 lb/a		2x2PL 2x2PL PRE	B B A
						134 a
2	19-17-0 Chelated ZN UREA46-0-0 +NSN	15 gal/a 1 qt/a 120 lb ai/a	15 gal/a 1 qt/a 260 lb/a		2x2PL 2x2PL PRE	B B A
						141 a
3	19-17-0 Chelated ZN UREA46-0-0 +NSN	15 gal/a 1 qt/a 120 lb ai/a	15 gal/a 1 qt/a 260 lb/a		2x2PL 2x2PL SD NON	B B C
						139 a
4	19-17-0 Chelated ZN 28 % NITROGEN	15 gal/a 1 qt/a 120 lb ai/a	15 gal/a 1 qt/a 40 gal/a		2x2PL 2x2PL SD V3-4	B B D
						151 a
5	19-17-0 Chelated ZN 28 % N + NSN NSN	15 gal/a 1 qt/a 120 lb ai/a 0.5 gal/100 gal	15 gal/a 1 qt/a 40 gal/a		2x2PL 2x2PL SD V3-4 SD V3-4	B B D D
						135 a
6	19-17-0 Chelated ZN 28% WEED N FD	15 gal/a 1 qt/a 120 lb ai/a	15 gal/a 1 qt/a 40 gal/a		2x2PL 2x2PL PRE	B B A
						105 a
7	19-17-0 Chelated ZN 28% NSN WD N FD	15 gal/a 1 qt/a 120 lb ai/a	15 gal/a 1 qt/a 40 gal/a		2x2PL 2x2PL PRE	B B A
						154 a
8	19-17-0 Chelated ZN 28 % NITROGEN	15 gal/a 1 qt/a 170 lb ai/a	15 gal/a 1 qt/a 56.7 gal/a		2x2PL 2x2PL SD V3-4	B B D
						139 a
9	CHECK 19-17-0 Chelated ZN	15 gal/a 1 qt/a	15 gal/a 1 qt/a		2x2PL 2x2PL 2x2PL	B B B
						134 a
LSD (P=.05)						43.9
Standard Deviation						30.0
CV						21.9
Bartlett's X2						10.976
P(Bartlett's X2)						0.203
Skewness						-0.9169*
Kurtosis						0.0453

### Crop Code

ZEAMX, BCOR, Zea mays, = US

### Rating Unit

bu/ac = bushels per acre

### ARM Action Codes

TY1 =  $3.889286 * [C18] * (100 - [C16]) / 84.5$

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.

Missing data estimates are included in columns: Yates=19