

MSU Soil Fertility Research Program

CORN RESPONSE TO AVAIL IN CORN, 2012

Trial ID: CEL08-12
 Protocol ID: CEL08-12
 Project ID: ANDER7

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	Growth Stage	Appl Code	42
1	MAP 11-52-0	65 lb ai/a	125 lb/a		PPI	A	149 a
	UREA 46-0-0	93 lb ai/a	202 lb/a		PPI	A	
	28 % NITROGEN	93 lb ai/a	31 gal/a		SDV3-V4	C	
2	MAP w/ AVAIL	65 lb ai/a	125 lb/a		PPI	A	151 a
	UREA 46-0-0	93 lb ai/a	202 lb/a		PPI	A	
	28 % NITROGEN	93 lb ai/a	31 gal/a		SDV3-V4	C	
3	MAP 11-52-0	65 lb ai/a	125 lb/a		PPI	A	143 a
	19-17-0	15 gal/a	15 gal/a		2x2PL	B	
	Chelated ZN	1 qt/a	1 qt/a		2x2PL	B	
	UREA 46-0-0	78 lb ai/a	170 lb/a		PPI	A	
	28 % NITROGEN	78 lb ai/a	26 gal/a		SDV3-V4	C	
4	MAP w/ AVAIL	65 lb ai/a	125 lb/a		PPI	A	143 a
	19-17-0	15 gal/a	15 gal/a		2x2PL	B	
	Chelated ZN	1 qt/a	1 qt/a		2x2PL	B	
	UREA 46-0-0	78 lb ai/a	170 lb/a		PPI	A	
	28 % NITROGEN	78 lb ai/a	26 gal/a		SDV3-V4	C	
5	MAP 11-52-0	65 lb ai/a	125 lb/a		PPI	A	151 a
	19-17-0 w/ avail	15 gal/a	15 gal/a		2x2PL	B	
	Chelated ZN	1 qt/a	1 qt/a		2x2PL	B	
	UREA 46-0-0	78 lb ai/a	170 lb/a		PPI	A	
	28 % NITROGEN	78 lb ai/a	26 gal/a		SDV3-V4	C	
6	MAP w/ AVAIL	65 lb ai/a	125 lb/a		PPI	A	160 a
	19-17-0 w/ avail	15 gal/a	15 gal/a		2x2PL	B	
	Chelated ZN	1 qt/a	1 qt/a		2x2PL	B	
	UREA 46-0-0	78 lb ai/a	170 lb/a		PPI	A	
	28 % NITROGEN	78 lb ai/a	26 gal/a		SDV3-V4	C	
7	CHECK 200LBS N					A	162 a
	UREA 46-0-0	107 lb ai/a	233 lb/a		PPI	A	
	28 % NITROGEN	93 lb ai/a	31 gal/a		SDV3-V4	C	
LSD (P=.05)							20.1
Standard Deviation							13.5
CV							8.94
Bartlett's X2							5.947
P(Bartlett's X2)							0.429
Skewness							-1.612*
Kurtosis							2.2315*

Crop Code

ZEAMX, BCOR, Zea mays, = US

Rating Unit

bu/ac = bushels per acre

ARM Action Codes

TY1 = $3.889286 * [C41] * (100 - [C39]) / 84.5$

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.