MSU Soil Fertility Research Program

EFFECT OF APPLICATION METHOD OF NITROGEN ON CORN YIELD, 2012

Trial ID: CEL12-12 Location: CAMPUS Trial Year:
Protocol ID: CEL12-12 Investigator: Kurt Steinke
Project ID: CEL12-12 Study Director:
Sponsor Contact:

Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code	22
	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
1	28 % NITROGEN	150	lb ai/a	50	gal/a	PRE	A	128 a
2	28 % NITROGEN	128	lb ai/a	42.7	gal/a	PRE	A	132 a
3	28 % NITROGEN	150	lb ai/a	50	gal/a	PRE	A	124 a
	INSTINCT	35	fl oz/a	35	fl oz/a	PRE	A	
4	28 % NITROGEN	128	lb ai/a	42.7	gal/a	PRE	A	132 a
	INSTINCT	35	fl oz/a	35	fl oz/a	PRE	A	
5	28 % NITROGEN	150	lb ai/a	50	gal/a	SD V3-4	B	138 a
6	28 % NITROGEN	128	lb ai/a	42.7	gal/a	SD V3-4	B	139 a
7	28 % NITROGEN	150	lb ai/a	50	gal/a	SD V3-4	B	150 a
	INSTINCT	35	fl oz/a	35	fl oz/a	SD V3-4	B	
8	28 % NITROGEN	128	lb ai/a	42.7	gal/a	SD V3-4	B	146 a
	INSTINCT	35	fl oz/a	35	fl oz/a	SD V3-4	B	
9	UNTREATED						B	123 a
	LSD (P=.05)							28.2
	Standard Deviation							19.3
	CV							14.36
	Bartlett's X2							15.999
	P(Bartlett's X2)							0.042*
	Skewness							-1.1731*
	Kurtosis							1.0852

Crop Code
ZEAMX, BCOR, Zea mays, = US
Rating Unit
bu/ac = bushels per acre
ARM Action Codes
TY1 = 3.889286*[C22]*(100-[C20])/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.