

MSU Soil Fertility Research Program

EVALUATION OF IN FURROW APPLICATION IN CORN

Trial ID: CEL08-13 Location: CAMPUS Trial Year: 2013
 Investigator: Kurt Steinke
 Project ID: WESTCORN

Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code	Yield
									ZEAMX Corn DKC 48-12RIB 15% moist Oct-22-2013 Yield Bu/ac TY1 1
									7
1	CHECK							A	166.9 a
	Urea 46-0-0	46	GR	140 lb ai/a	304 lb/a		PPI	B	
2	10-34-0		SC	5 gal/a	5 gal/a		FURROW	A	171.4 a
	H2O		SC	1 gal/a	1 gal/a		FURROW	A	
	Urea 46-0-0	46	GR	140 lb ai/a	304 lb/a		PPI	B	
3	10-34-0		SC	5 gal/a	5 gal/a		FURROW	A	173.5 a
	Blue Tsunami		SC	1 qt/a	1 qt/a		FURROW	A	
	H2O		SC	0.75 gal/a	0.75 gal/a		FURROW	A	
	Urea 46-0-0	46	GR	140 lb ai/a	304 lb/a		PPI	B	
4	10-34-0		SC	5 gal/a	5 gal/a		FURROW	A	167.8 a
	WC101		SC	10 fl oz/a	10 fl oz/a		FURROW	A	
	H2O		SC	0.92 gal/a	0.92 gal/a		FURROW	A	
	Urea 46-0-0	46	GR	140 lb ai/a	304 lb/a		PPI	B	
5	10-34-0		SC	5 gal/a	5 gal/a		FURROW	A	138.3 a
	Blue Tsunami		SC	1 qt/a	1 qt/a		FURROW	A	
	WC101		SC	10 fl oz/a	10 fl oz/a		FURROW	A	
	H2O		SC	0.67 gal/a	0.67 gal/a		FURROW	A	
	Urea 46-0-0	46	GR	140 lb ai/a	304 lb/a		PPI	B	
6	10-34-0		SC	5 gal/a	5 gal/a		FURROW	A	169.2 a
	Blue Tsunami		SC	1 qt/a	1 qt/a		FURROW	A	
	WC101		SC	10 fl oz/a	10 fl oz/a		FURROW	A	
	WC162		SC	1 qt/a	1 qt/a		FURROW	A	
	H2O		SC	0.44 gal/a	0.44 gal/a		FURROW	A	
	Urea 46-0-0	46	GR	140 lb ai/a	304 lb/a		PPI	B	
7	WC139		SC	3 gal/a	3 gal/a		FURROW	A	187.4 a
	H2O		SC	3 gal/a	3 gal/a		FURROW	A	
	Urea 46-0-0	46	GR	140 lb ai/a	304 lb/a		PPI	B	
8	WC139		SC	3 gal/a	3 gal/a		FURROW	A	163.0 a
	WC162		SC	1 qt/a	1 qt/a		FURROW	A	
	H2O		SC	2.75 gal/a	2.75 gal/a		FURROW	A	
	Urea 46-0-0	46	GR	140 lb ai/a	304 lb/a		PPI	B	
	LSD (P=.05)								33.61
	Standard Deviation								22.85
	CV								13.67
	Bartlett's X2								15.858
	P(Bartlett's X2)								0.026*
	Skewness								-1.0753*
	Kurtosis								0.5251
	Replicate F								1.216
	Replicate Prob(F)								0.3284
	Treatment F								1.443
	Treatment Prob(F)								0.2411
	Crop Code								
	ZEAMX, BCOR, Zea mays, = US								
	Rating Type								
	Yield = yield								
	Rating Unit								
	Bu/ac = bushels per acre								
	ARM Action Codes								
	TY1 = 3.889286*[C6]*(100-[C4])/85								

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.