

MSU Soil Fertility Research Program

CORN RESPONSE TO KTS, CaTs AND THIO-SUL

Trial ID: CMSN09-14 Location: Mason, Ingham Co. Trial Year: 2014
Investigator: Kurt Steinke

Project ID: THIOCORN

Crop Code							ZEAMX	
Crop Name							Corn	
Crop Variety							P0094AMX	
Description							15% moist	
Rating Date							Nov-6-2014	
Rating Type							YIELD	
Rating Unit							BU	
ARM Action Codes							TY1	
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Other Rate	Other Rate Unit	Growth Stage	
								4
1	Urea 46-0-0	46	GR	80 lb ai/a	174 lb/a		PPI	178.1 a
	KTS		AL	5 gal/a	5 gal/a		V8-10B	
	28% Nitrogen	3	SC	50 lb ai/a	16.7 gal/a		V8-10B	
	TSP-PHOS	45	GR	20 lb ai/a	44.4 lb/a		2X2PL	
	K2O 0-0-62	62	GR	50 lb ai/a	81 lb/a		2X2PL	
2	Urea 46-0-0	46	GR	80 lb ai/a	174 lb/a		PPI	176.3 a
	CaTs		AL	5 gal/a	5 gal/a		V8-10B	
	28% Nitrogen	3	SC	50 lb ai/a	16.7 gal/a		V8-10B	
	TSP-PHOS	45	GR	20 lb ai/a	44.4 lb/a		2X2PL	
	K2O 0-0-62	62	GR	50 lb ai/a	81 lb/a		2X2PL	
3	Urea 46-0-0	46	GR	80 lb ai/a	174 lb/a		PPI	173.0 a
	K-Row 23		AL	5 gal/a	5 gal/a		V8-10B	
	28% Nitrogen	3	SC	50 lb ai/a	16.7 gal/a		V8-10B	
	TSP-PHOS	45	GR	20 lb ai/a	44.4 lb/a		2X2PL	
	K2O 0-0-62	62	GR	50 lb ai/a	81 lb/a		2X2PL	
4	CHECK							177.8 a
	28% Nitrogen	3	SC	50 lb ai/a	16.7 gal/a		V8-10B	
	Urea 46-0-0	46	GR	80 lb ai/a	174 lb/a		PPI	
	TSP-PHOS	45	GR	20 lb ai/a	44.4 lb/a		2X2PL	
	K2O 0-0-62	62	GR	50 lb ai/a	81 lb/a		2X2PL	
LSD (P=.05)							19.17	
Standard Deviation							11.98	
CV							6.8	
Bartlett's X2							1.31	
P(Bartlett's X2)							0.727	
Skewness							-0.2819	
Kurtosis							-0.5498	
Replicate F							1.067	
Replicate Prob(F)							0.4106	
Treatment F							0.148	
Treatment Prob(F)							0.9286	

Crop Code

ZEAMX, BCOR, Zea mays, = US

Rating Type

YIELD = yield

Rating Unit

BU = bushel

ARM Action Codes

TY1 = $3.889286 * [1] * (100 - [2]) / 85$

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.