

MSU Soil Fertility Research Program

EVALUATION OF CORN RESPONSE TO MICROESSENTIALS OF MES10 AND MES15.

Trial ID: CEL13-13 Location: CAMPUS Trial Year: 2013
 Investigator: Kurt Steinke
 Project ID: MOMICRO

Crop Code							ZEAMX		
Crop Name							Corn		
Crop Variety							DKC 48-12RIB		
Description							15% moist		
Rating Date							Oct-22-2013		
Rating Type							Yield		
Rating Unit							Bu/ac		
Crop Stage Scale									
ARM Action Codes							EC TY1		
Number of Decimals							1		
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code	
1	CHECK							A	123.5
2	Urea 46-0-0	46 GR		135 lb ai/a	293 lb/a		PPI	A	206.7 a
	MOP Mosaic	60 GR		60 lb ai/a	100 lb/a		PPI	A	
3	Urea 46-0-0	46 GR		118 lb ai/a	257 lb/a		PPI	A	200.0 a
	MAP 11-52-0	52 GR		80 lb ai/a	154 lb/a		PPI	A	
	MOP Mosaic	60 GR		60 lb ai/a	100 lb/a		PPI	A	
4	Urea 46-0-0	46 GR		101 lb ai/a	220 lb/a		PPI	A	192.1 a
	MAP 11-52-0	52 GR		80 lb ai/a	154 lb/a		PPI	A	
	AS (21-0-0-24S)	24 GR		20 lb ai/a	83 lb/a		PPI	A	
	ZnSO4	36 GR		5 lb ai/a	13.9 lb/a		PPI	A	
	MOP Mosaic	60 GR		60 lb ai/a	100 lb/a		PPI	A	
5	Urea 46-0-0	46 GR		101 lb ai/a	220 lb/a		PPI	A	203.5 a
	MAP 11-52-0	52 GR		80 lb ai/a	154 lb/a		PPI	A	
	AS (21-0-0-24S)	24 GR		20 lb ai/a	83 lb/a		PPI	A	
	ZnSO4	36 GR		2 lb ai/a	5.56 lb/a		PPI	A	
	MOP Mosaic	60 GR		60 lb ai/a	100 lb/a		PPI	A	
6	Urea 46-0-0	46 GR		111 lb ai/a	241 lb/a		PPI	A	215.9 a
	MES10	40 GR		80 lb ai/a	200 lb/a		PPI	A	
	MOP Mosaic	60 GR		60 lb ai/a	100 lb/a		PPI	A	
7	Urea 46-0-0	46 GR		111 lb ai/a	241 lb/a		PPI	A	189.5 a
	MESZ	40 GR		80 lb ai/a	200 lb/a		PPI	A	
	MOP Mosaic	60 GR		60 lb ai/a	100 lb/a		PPI	A	
8	Urea 46-0-0	46 GR		104 lb ai/a	226 lb/a		PPI	A	203.3 a
	MES15	33 GR		80 lb ai/a	242 lb/a		PPI	A	
	MOP Mosaic	60 GR		60 lb ai/a	100 lb/a		PPI	A	
LSD (P=.05)									23.94
Standard Deviation									16.11
CV									7.99
Bartlett's X2									1.745
P(Bartlett's X2)									0.942
Skewness									0.0327
Kurtosis									-0.8746
Replicate F									3.898
Replicate Prob(F)									0.0262
Treatment F									1.225
Treatment Prob(F)									0.3394

Crop Code
 ZEAMX, BCOR, Zea mays, = US
 Rating Type
 Yield = yield
 Rating Unit
 Bu/ac = bushels per acre
 ARM Action Codes
 EC = Do not analyze untreated check, while still reporting treatment mean on AOV Means Table
 TY1 = $3.889286 * [7] * (100 - [5]) / 85$

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.