

MSU Soil Fertility Research Program

CORN RESPONSE TO MES, MOP, MAP, AND MAP BLENDS.

Trial ID: CEL10-15 Location: Campus Trial Year: 2015
 Investigator: Kurt Steinke
 Project ID: MOZNZM

Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Other Rate	Other Unit	Growth Stage	Yield
	Crop Code Crop Name Crop Variety Description Rating Date Rating Type Rating Unit Crop Stage Scale							ZEAMX Corn P0157AMX bu/ac Oct-23-2015 YIELD BU HARVEST
							7	
1	MOP Mosaic Urea 46-0-0	60 GR 46 GR		60 lb ai/a 140 lb ai/a	100 lb/a 304 lb/a		PPI PPI	215 a
2	MOP Mosaic MAP 11-52-0 Urea 46-0-0	60 GR 52 GR 46 GR		60 lb ai/a 80 lb ai/a 140 lb ai/a	100 lb/a 154 lb/a 304 lb/a		PPI PPI PPI	215 a
3	MOP Mosaic MAP 11-52-0 AS (21-0-0-24S) Urea 46-0-0	60 GR 52 GR 24 GR 46 GR		60 lb ai/a 80 lb ai/a 20 lb ai/a 140 lb ai/a	100 lb/a 154 lb/a 83 lb/a 304 lb/a		PPI PPI PPI PPI	208 a
4	MOP Mosaic MAP 11-52-0 AS (21-0-0-24S) ZnSO4 Urea 46-0-0	60 GR 52 GR 24 GR 36 GR 46 GR		60 lb ai/a 80 lb ai/a 20 lb ai/a 2 lb ai/a 140 lb ai/a	100 lb/a 154 lb/a 83 lb/a 5.56 lb/a 304 lb/a		PPI PPI PPI PPI PPI	220 a
5	MOP Mosaic MES10 Urea 46-0-0	60 GR 40 GR 46 GR		60 lb ai/a 80 lb ai/a 140 lb ai/a	100 lb/a 200 lb/a 304 lb/a		PPI PPI PPI	224 a
6	MOP Mosaic MES15 Urea 46-0-0	60 GR 33 GR 46 GR		60 lb ai/a 80 lb ai/a 140 lb ai/a	100 lb/a 242 lb/a 304 lb/a		PPI PPI PPI	206 a
7	MOP Mosaic MESZ Urea 46-0-0	60 GR 40 GR 46 GR		60 lb ai/a 80 lb ai/a 140 lb ai/a	100 lb/a 200 lb/a 304 lb/a		PPI PPI PPI	223 a
8	Aspire MAP 11-52-0 Urea 46-0-0	58 GR 52 GR 46 GR		60 lb ai/a 80 lb ai/a 140 lb ai/a	103 lb/a 154 lb/a 304 lb/a		PPI PPI PPI	197 a
9	Aspire MESZ Urea 46-0-0	58 GR 40 GR 46 GR		60 lb ai/a 80 lb ai/a 140 lb ai/a	103 lb/a 200 lb/a 304 lb/a		PPI PPI PPI	220 a
	LSD P=.05							19.6
	Standard Deviation							13.4
	CV							6.25
	Replicate F							0.893
	Replicate Prob(F)							0.4592
	Treatment F							1.819
	Treatment Prob(F)							0.1226

Crop Code

ZEAMX, BCOR, Zea mays, = US

Rating Type

YIELD = yield

Rating Unit

BU = bushel

ARM Action Codes

$$TY1 = 3.889286 * [C4] * (100 - [C5]) / 84.5$$

Means followed by same letter or symbol do not significantly differ (P=.05, LSD)

Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.