

MSU Soil Fertility Research Program

CORN RESPONSE TO IN-FURROW NPK FERTILIZER WITH THE ADDITION OF VARIOUS MICRONUTRIENTS.

Trial ID: CEL09-15 Location: Campus Trial Year: 15
 Investigator: Kurt Steinke
 Project ID: WECORN

Crop Code								ZEAMX
Crop Name								Corn
Crop Variety								P0157AMX
Description								bu/ac
Rating Date								Oct-23-2015
Rating Type								YIELD
Rating Unit								BU
Crop Stage Scale								HARVEST
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Other Rate	Other Rate Unit	Growth Stage	29
1	CHECK Urea 46-0-0	46	GR	140 lb ai/a	304 lb/a		PPI	222.3 a
2	WE-1433 Water Urea 46-0-0	AL AL 46	GR	5 gal/a 128 fl oz/a 140 lb ai/a	5 gal/a 128 fl oz/a 304 lb/a		IN-FUR IN-FUR PPI	221.0 a
3	WE-1433 WE-1430 Water Urea 46-0-0	AL AL AL 46	GR	5 gal/a 32 fl oz/a 96 fl oz/a 140 lb ai/a	5 gal/a 32 fl oz/a 96 fl oz/a 304 lb/a		IN-FUR IN-FUR IN-FUR PPI	227.4 a
4	WE-1433 WE-1488 Water Urea 46-0-0	AL AL AL 46	GR	5 gal/a 8 fl oz/a 120 fl oz/a 140 lb ai/a	5 gal/a 8 fl oz/a 120 fl oz/a 304 lb/a		IN-FUR IN-FUR IN-FUR PPI	217.9 a
5	WE-1433 WE-1491 Water Urea 46-0-0	AL AL AL 46	GR	5 gal/a 32 fl oz/a 96 fl oz/a 140 lb ai/a	5 gal/a 32 fl oz/a 96 fl oz/a 304 lb/a		IN-FUR IN-FUR IN-FUR PPI	220.4 a
6	WE-1433 WE-1558 Water Urea 46-0-0	AL AL AL 46	GR	5 gal/a 8 fl oz/a 120 fl oz/a 140 lb ai/a	5 gal/a 8 fl oz/a 120 fl oz/a 304 lb/a		IN-FUR IN-FUR IN-FUR PPI	231.3 a
7	WE-1433 WE-1491 Water Urea 46-0-0	AL AL AL 46	GR	5 gal/a 16 fl oz/a 112 fl oz/a 140 lb ai/a	5 gal/a 16 fl oz/a 112 fl oz/a 304 lb/a		IN-FUR IN-FUR IN-FUR PPI	226.0 a
8	WE-1433 WE-1491 WE-1430 Water Urea 46-0-0	AL AL AL AL 46	GR	5 gal/a 16 fl oz/a 16 fl oz/a 96 fl oz/a 140 lb ai/a	5 gal/a 16 fl oz/a 16 fl oz/a 96 fl oz/a 304 lb/a		IN-FUR IN-FUR IN-FUR IN-FUR PPI	223.6 a
LSD P=.05								32.47
Standard Deviation								18.54
CV								8.29
Replicate F								1.630
Replicate Prob(F)								0.2310
Treatment F								0.162
Treatment Prob(F)								0.9892

Crop Code
 ZEAMX, BCOR, Zea mays, = US
 Rating Type
 YIELD = yield
 Rating Unit
 BU = bushel

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.
 Excluded replicate 3 in column 29