

MSU Soil Fertility Research Program

DEMONSTRATE COMMERCIALY AVAILABLE N STABILIZATION PRODUCTS WITH PREPLANT AND SIDEDRESS APPLICATIONS IN CORN.

Trial ID: CEL07-16 Location: Campus Trial Year: 2016

Investigator: Kurt Steinke

Project ID: VerdeZM

Crop Code	ZEAMX							
Crop Name	Corn							
Crop Variety	PO157AMX							
Description	bu/ac@15.5%							
Rating Date	Oct-18-2016							
Rating Type	YIELD							
Rating Unit	BU							
Crop Stage Scale	HARVEST							
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Other Rate	Other Unit	Growth Stage	
								20
1	Check							123 e
2	Urea 46-0-0	46	GR	140 lb ai/a	304 lb/a		PPI	181 d
3	Urea 46-0-0 Nutrisphere QDO	46	GR AL	140 lb ai/a 2 qt/ton	304 lb/a		PPI PPI	190 cd
4	Urea 46-0-0 Agrotain Ultra	46	GR	140 lb ai/a 3 qt/ton	304 lb/a		PPI	194 bc
5	Urea 46-0-0 28% Nitrogen	46	GR 3 AL	70 lb ai/a 70 lb ai/a	152 lb/a 23.3 gal/a		PPI SDV4-6	204 ab
6	Urea 46-0-0 28% Nitrogen Nutrisphere HV	46	GR 3 AL AL	70 lb ai/a 70 lb ai/a 18 fl oz/a	152 lb/a 23.3 gal/a 18 fl oz/a		PPI SDV4-6 SDV4-6	207 a
7	Urea 46-0-0 28% Nitrogen Agrotain Ultra	46	GR 3 AL AL	70 lb ai/a 70 lb ai/a 1.5 qt/ton	152 lb/a 23.3 gal/a		PPI SDV4-6 SDV4-6	200 abc
LSD P=.05								13.0
Standard Deviation								8.7
CV								4.71
Replicate F								3.623
Replicate Prob(F)								0.0332
Treatment F								43.774
Treatment Prob(F)								0.0001

Crop Code

ZEAMX, BCOR, Zea mays, = US

Rating Type

YIELD = yield

Rating Unit

BU = bushel

ARM Action Codes

TY1 = 3.889286*[C17]*(100-[C18])/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.