

MSU Soil Fertility Research Program

CORN RESPONSE TO PHOSPHORUS

Trial ID: CMSN04-18 Location: SVREC Trial Year: 2018

Investigator: Kurt Steinke

Project ID: PHOSCORN

Crop Code	ZEAMX					
Crop Name	Corn					
Crop Variety	PO157AMX					
Description	bu/ac15.5%					
Rating Date	Nov-4-2018					
Rating Type	YIELD					
Rating Unit	BU					
Crop Stage Scale	HVST					
ARM Action Codes	TY1					
Number of Decimals	0					
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Other Rate Unit	Growth Stage
						5
1	Check					182 a
	Urea 46-0-0	46 GR		70 lb ai/a	152 lb/a	PPI
	28% Nitrogen	3 AL		100 lb ai/a	33.3 gal/a	SDV3-4
2	10-34-0		AL	12.5 gal/a	12.5 gal/a	2x2
	Urea 46-0-0	46 GR		55 lb ai/a	120 lb/a	PPI
	28% Nitrogen	3 AL		100 lb ai/a	33.3 gal/a	SDV3-4
3	10-34-0		AL	25 gal/a	25 gal/a	2x2
	Urea 46-0-0	46 GR		40 lb ai/a	87 lb/a	PPI
	28% Nitrogen	3 AL		100 lb ai/a	33.3 gal/a	SDV3-4
LSD P=.05						16.5
Standard Deviation						9.6
CV						5.2
Replicate F						0.032
Replicate Prob(F)						0.9916
Treatment F						0.257
Treatment Prob(F)						0.7816

Crop Code

ZEAMX, BCOR, Zea mays, Corn = US

Rating Type

YIELD = yield

Rating Unit

BU = bushel

ARM Action Codes

TY1 = $3.889286 \times [2] \times (100 - [3]) / 84.5$

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.