

MSU Soil Fertility Research Program
CORN RESPONSE TO NITROGEN IN ROW AS A 2X2 AT VARIOUS RATES
 Trial ID: CMSN09-18 Location: Mason Trial Year: 2018
 Investigator: Kurt Steinke
 Project ID: INROW28%N

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
						10
1	CHECK					114 d
2	28% Nitrogen	3 AL		20 lb ai/a	6.7 gal/a	2X2
	28% Nitrogen	3 AL		125 lb ai/a	41.7 gal/a	V4
3	28% Nitrogen	3 AL		40 lb ai/a	13.3 gal/a	2X2
	28% Nitrogen	3 AL		105 lb ai/a	35 gal/a	V4
4	28% Nitrogen	3 AL		60 lb ai/a	20 gal/a	2X2
	28% Nitrogen	3 AL		85 lb ai/a	28.3 gal/a	V4
5	28% Nitrogen	3 AL		80 lb ai/a	26.7 gal/a	2X2
	28% Nitrogen	3 AL		65 lb ai/a	21.7 gal/a	V4
6	28% Nitrogen	3 AL		100 lb ai/a	33.3 gal/a	2X2
	28% Nitrogen	3 AL		45 lb ai/a	15 gal/a	V4
7	28% Nitrogen	3 AL		20 lb ai/a	6.7 gal/a	2X2
	28% Nitrogen	3 AL		125 lb ai/a	41.7 gal/a	V11/12
8	28% Nitrogen	3 AL		40 lb ai/a	13.3 gal/a	2X2
	28% Nitrogen	3 AL		105 lb ai/a	35 gal/a	V11/12
9	28% Nitrogen	3 AL		60 lb ai/a	20 gal/a	2X2
	28% Nitrogen	3 AL		85 lb ai/a	28.3 gal/a	V11/12
10	28% Nitrogen	3 AL		80 lb ai/a	26.7 gal/a	2X2
	28% Nitrogen	3 AL		65 lb ai/a	21.7 gal/a	V11/12
11	28% Nitrogen	3 AL		100 lb ai/a	33.3 gal/a	2X2
	28% Nitrogen	3 AL		45 lb ai/a	15 gal/a	V11/12
12	28% Nitrogen	3 AL		145 lb ai/a	48.3 gal/a	V4
13	28% Nitrogen	3 AL		145 lb ai/a	48.3 gal/a	V11/12
LSD P=.05	25.9					
Standard Deviation	18.1					
CV	10.3					
Replicate F	9.933					
Replicate Prob(F)	0.0001					
Treatment F	5.894					
Treatment Prob(F)	0.0001					

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

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.

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$$TY1 = 3.889286 * [7] * (100 - [8]) / 84.5$$

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