

MSU Soil Fertility Research Program
CORN RESPONSE TO NITROGEN IN ROW AS A 2X2 AT VARIOUS RATES
 Trial ID: CMSN07-19 Location: Trial Year: 2019
 Investigator: Kurt Steinke
 Project ID: INROW28%N

Crop Code	ZEAMX						
Crop Name	Corn						
Crop Variety	P9998AM						
Description	bu/ac15.5%						
Rating Date	Oct-23-2019						
Rating Type	YIELD						
Rating Unit	BU						
Crop Stage Scale	HARVEST						
ARM Action Codes	TY1						
Number of Decimals	0						
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Other Rate Unit	Growth Stage	
							6
1	CHECK						41 e
2	28% Nitrogen	3 AL		20 lb ai/a	6.7 gal/a	2X2	130 a
	28% Nitrogen	3 AL		155 lb ai/a	51.7 gal/a	V4	
3	28% Nitrogen	3 AL		40 lb ai/a	13.3 gal/a	2X2	132 a
	28% Nitrogen	3 AL		135 lb ai/a	45 gal/a	V4	
4	28% Nitrogen	3 AL		60 lb ai/a	20 gal/a	2X2	122 ab
	28% Nitrogen	3 AL		115 lb ai/a	38.3 gal/a	V4	
5	28% Nitrogen	3 AL		80 lb ai/a	26.7 gal/a	2X2	143 a
	28% Nitrogen	3 AL		95 lb ai/a	31.7 gal/a	V4	
6	28% Nitrogen	3 AL		100 lb ai/a	33.3 gal/a	2X2	134 a
	28% Nitrogen	3 AL		75 lb ai/a	25 gal/a	V4	
7	28% Nitrogen	3 AL		20 lb ai/a	6.7 gal/a	2X2	80 cd
	28% Nitrogen	3 AL		155 lb ai/a	51.7 gal/a	V11/12	
8	28% Nitrogen	3 AL		40 lb ai/a	13.3 gal/a	2X2	73 d
	28% Nitrogen	3 AL		135 lb ai/a	45 gal/a	V11/12	
9	28% Nitrogen	3 AL		60 lb ai/a	20 gal/a	2X2	99 bc
	28% Nitrogen	3 AL		115 lb ai/a	38.3 gal/a	V11/12	
10	28% Nitrogen	3 AL		80 lb ai/a	26.7 gal/a	2X2	101 bc
	28% Nitrogen	3 AL		95 lb ai/a	31.7 gal/a	V11/12	
11	28% Nitrogen	3 AL		100 lb ai/a	33.3 gal/a	2X2	122 ab
	28% Nitrogen	3 AL		75 lb ai/a	25 gal/a	V11/12	
12	28% Nitrogen	3 AL		175 lb ai/a	58.3 gal/a	V4	121 ab
13	28% Nitrogen	3 AL		175 lb ai/a	58.3 gal/a	V11/12	64 d
LSD P=.05							22.9
Standard Deviation							16.0
CV							15.26
Replicate F							7.333
Replicate Prob(F)							0.0006
Treatment F							15.609
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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$$TY1 = 3.889286 * [3] * (100 - [4]) / 84.5$$

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