

MSU Soil Fertility Research Program
 CORN FERTILITY TRIAL-BALANCED COP NUTRITION SYNERGY
 Trial ID: CMSN05-19 Location: MASON Trial Year: 2019
 Investigator: Kurt Steinke
 Project ID: MOSYNG

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	Other Rate Unit	Growth Stage	
								4
1	CHECK						A	105 a
	Urea 46-0-0	46	GR	170 lb ai/a	370 lb/a		A	
2	MAP 11-52-0	52	GR	80 lb ai/a	154 lb/a		A	124 a
	MOP 0-0-62	62	GR	60 lb ai/a	97 lb/a		A	
	Urea 46-0-0	46	GR	153 lb ai/a	333 lb/a		A	
3	MAP 11-52-0	52	GR	80 lb ai/a	154 lb/a		A	129 a
	MOP 0-0-62	62	GR	60 lb ai/a	97 lb/a		A	
	AS (21-0-0-24S)	24	GR	20 lb ai/a	83 lb/a		A	
	Urea 46-0-0	46	GR	136 lb ai/a	296 lb/a		A	
4	MAP 11-52-0	52	GR	80 lb ai/a	154 lb/a		A	119 a
	MOP 0-0-62	62	GR	60 lb ai/a	97 lb/a		A	
	AS (21-0-0-24S)	24	GR	20 lb ai/a	83 lb/a		A	
	ZnSO4	36	GR	2 lb ai/a	5.56 lb/a		A	
	Urea 46-0-0	46	GR	136 lb ai/a	296 lb/a		A	
5	MESZ	40	GR	80 lb ai/a	200 lb/a		A	121 a
	Aspire	58	GR	50 lb ai/a	86 lb/a		A	
	K-Mag (22S)	22	GR	10 lb ai/a	45.5 lb/a		A	
	Urea 46-0-0	46	GR	146 lb ai/a	317 lb/a		A	
6	MESZ	40	GR	68 lb ai/a	170 lb/a		A	134 a
	Aspire	58	GR	42.5 lb ai/a	73 lb/a		A	
	K-Mag (22S)	22	GR	8.5 lb ai/a	38.6 lb/a		A	
	Urea 46-0-0	46	GR	150 lb ai/a	326 lb/a		A	
7	MESZ	40	GR	80 lb ai/a	200 lb/a		A	128 a
	Aspire	58	GR	60 lb ai/a	103 lb/a		A	
	Urea 46-0-0	46	GR	146 lb ai/a	317 lb/a		A	
8	MESZ	40	GR	68 lb ai/a	170 lb/a		A	99 a
	Aspire	58	GR	51 lb ai/a	88 lb/a		A	
	Urea 46-0-0	46	GR	150 lb ai/a	326 lb/a		A	
9	MESZ	40	GR	80 lb ai/a	200 lb/a		A	121 a
	MOP 0-0-62	62	GR	50 lb ai/a	81 lb/a		A	
	K-Mag (22S)	22	GR	10 lb ai/a	45.5 lb/a		A	
	Urea 46-0-0	46	GR	146 lb ai/a	317 lb/a		A	
10	MESZ	40	GR	68 lb ai/a	170 lb/a		A	114 a
	MOP 0-0-62	62	GR	42.5 lb ai/a	68.5 lb/a		A	
	K-Mag (22S)	22	GR	8.5 lb ai/a	38.6 lb/a		A	
	Urea 46-0-0	46	GR	150 lb ai/a	326 lb/a		A	

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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11	MAP 11-52-0	52	GR	80 lb ai/a	154 lb/a		A	124 a
	Aspire	58	GR	50 lb ai/a	86 lb/a		A	
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	Urea 46-0-0	46	GR	153 lb ai/a	333 lb/a		A	
12	MAP 11-52-0	52	GR	68 lb ai/a	131 lb/a		A	123 a
	Aspire	58	GR	42.5 lb ai/a	73 lb/a		A	
	K-Mag (22S)	22	GR	8.5 lb ai/a	38.6 lb/a		A	
	Urea 46-0-0	46	GR	156 lb ai/a	340 lb/a		A	
LSD P=.05								24.1
Standard Deviation								16.8
CV								13.97
Replicate F								0.686
Replicate Prob(F)								0.5672
Treatment F								1.427
Treatment Prob(F)								0.2073

Crop Code
 ZEAMX, BCOR, Zea mays, Corn = US
Rating Type
 YIELD = yield
Rating Unit
 BU = bushel
ARM Action Codes
 TY1 = 3.889286*[1]*(100-[2])/84.5

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