

MSU Soil Fertility Research Program

PHOSPHORUS UPTAKE EFFICIENCY OF CORN AS AFFECTED BY MES, 2012

Trial ID: CEL14-12
 Protocol ID: CEL14-12
 Project ID: MO14

Location: CAMPUS flex Trial Year:
 Investigator: Kurt Steinke
 Study Director:
 Sponsor Contact:

Crop Code	ZEAMX					
Crop Name	Corn					
Crop Variety	DKC 48-12 RIB					
Description	at 15.5%					
Rating Date	Oct-10-2012					
Rating Type	yield					
Rating Unit	bu/ac					
Crop Stage Scale						
ARM Action Codes	TY1					
Number of Decimals	0					
Trt No.	Treatment Name	Rate	Other Rate	Other Rate	Growth Stage	Appl Code
1	CHECK					A
2	UREA 46-0-0	180 lb ai/a	390 lb/a		PPI	A
3	MAP 11-52-0	30 lb ai/a	57.7 lb/a		PPI	A
	UREA 46-0-0	174 lb ai/a	380 lb/a		PPI	A
4	MAP 11-52-0	60 lb ai/a	115 lb/a		PPI	A
	UREA 46-0-0	167 lb ai/a	363 lb/a		PPI	A
5	MAP 11-52-0	90 lb ai/a	173 lb/a		PPI	A
	UREA 46-0-0	161 lb ai/a	350 lb/a		PPI	A
6	MAP 11-52-0	120 lb ai/a	230 lb/a		PPI	A
	UREA 46-0-0	155 lb ai/a	337 lb/a		PPI	A
7	MAP 11-52-0	30 lb ai/a	57.7 lb/a		PPI	A
	AS (%S)	7.5 lb ai/a	31.3 lb/a		PPI	A
	ZnSO4 (36%zn)	0.75 lb ai/a	2.08 lb/a		PPI	A
	UREA 46-0-0	167 lb ai/a	363 lb/a		PPI	A
8	MAP 11-52-0	60 lb ai/a	115 lb/a		PPI	A
	AS (%S)	15 lb ai/a	62.5 lb/a		PPI	A
	ZnSO4 (36%zn)	1.5 lb ai/a	4.17 lb/a		PPI	A
	UREA 46-0-0	154 lb ai/a	335 lb/a		PPI	A
9	MAP 11-52-0	90 lb ai/a	173 lb/a		PPI	A
	AS (%S)	22.5 lb ai/a	94 lb/a		PPI	A
	ZnSO4 (36%zn)	2.25 lb ai/a	6.25 lb/a		PPI	A
	UREA 46-0-0	141 lb ai/a	307 lb/a		PPI	A
10	MAP 11-52-0	120 lb ai/a	230 lb/a		PPI	A
	AS (%S)	30 lb ai/a	125 lb/a		PPI	A
	ZnSO4 (36%zn)	3 lb ai/a	8.3 lb/a		PPI	A
	UREA 46-0-0	129 lb ai/a	280 lb/a		PPI	A
11	MESZ	30 lb ai/a	75 lb/a		PPI	A
	UREA 46-0-0	171 lb ai/a	370 lb/a		PPI	A
12	MESZ	60 lb ai/a	150 lb/a		PPI	A
	UREA 46-0-0	162 lb ai/a	354 lb/a		PPI	A
13	MESZ	90 lb ai/a	225 lb/a		PPI	A
	UREA 46-0-0	153 lb ai/a	333 lb/a		PPI	A
14	MESZ	120 lb ai/a	300 lb/a		PPI	A
	UREA 46-0-0	144 lb ai/a	313 lb/a		PPI	A
LSD (P=.05)	20.9					
Standard Deviation	14.6					
CV	9.97					
Bartlett's X2	11.767					
P(Bartlett's X2)	0.547					
Skewness	-0.2395					
Kurtosis	-0.2724					

Crop Code

ZEAMX, BCOR, Zea mays, = US

Rating Unit

bu/ac = bushels per acre

ARM Action Codes

TY1 = $3.889286 * [C42] * (100 - [C40]) / 84.5$

Means followed by same letter do not significantly differ (P=.05, LSD)

Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.