

MSU Soil Fertility Research Program

EFFECTS OF ORGANIC AND INORGANIC NITROGEN PROGRAMS FOR MICHIGAN CORN PRODUCTION, 2012

Trial ID: CMRF03-12 Location: MRF Trial Year:
 Protocol ID: CMRF03-12 Investigator: Kurt Steinke
 Project ID: CMRF03-12 Study Director:
 Sponsor Contact:

Crop Code						ZEAMX
Crop Name						Corn
Crop Variety						DKC 48-12 RIB
Description						at 15.5%
Rating Date						Oct-11-2012
Rating Type						yield
Rating Unit						bu/ac
Crop Stage Scale						
ARM Action Codes						TY1
Number of Decimals						1
Trt No.	Treatment Name	Rate	Other Rate	Other Rate	Growth Stage	Appl Code
1	CHECK					A
2	Perfect Blend	1.5 ton/a	1.5 ton/a		PPI	A
3	Perfect Blend	0.75 ton/a	0.75 ton/a		PPI	A
4	Herbrucks	3 ton/a	3 ton/a		PPI	A
5	Herbrucks	1.5 ton/a	1.5 ton/a		PPI	A
6	Herbrucks LQFSH	3 ton/a 5 gal/a	3 ton/a 5 gal/a		PPI FURROW	A B
7	Herbrucks LQFSH	1.5 ton/a 5 gal/a	1.5 ton/a 5 gal/a		PPI FURROW	A B
8	P205-PHOS	50 lb ai/a	111 lb/a		PPI	A
	K2O 0-0-62	50 lb ai/a	81 lb/a		PPI	A
	GYPSUM	30 lb ai/a	188 lb/a		PPI	A
	UREA 46-0-0	80 lb ai/a	174 lb/a		PPI	A
9	P205-PHOS	100 lb ai/a	222 lb/a		PPI	A
	K2O 0-0-62	110 lb ai/a	177 lb/a		PPI	A
	GYPSUM	30 lb ai/a	188 lb/a		PPI	A
	UREA 46-0-0	160 lb ai/a	348 lb/a		PPI	A
LSD (P=.05)						18.92
Standard Deviation						12.93
CV						6.09
Bartlett's X2						11.831
P(Bartlett's X2)						0.159
Skewness						-1.7071*
Kurtosis						2.3746*

Crop Code
 ZEAMX, BCOR, Zea mays, = US
 Rating Unit
 bu/ac = bushels per acre
 ARM Action Codes
 TY1 = 3.889286*[C27]*(100-[C25])/84.5

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
 Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.
 Missing data estimates are included in columns: Yates=28