

MSU Soil Fertility Research Program

EFFECTS OF ORGANIC AND INORGANIC NITROGEN PROGRAMS FOR MICHIGAN CORN PRODUCTION

Trial ID: CMRF04-13 Location: MRF Trial Year: 2013
 Investigator: Kurt Steinke

Project ID: herbcorn

Crop Code								ZEAMX	
Crop Name								Corn	
Crop Variety								DKC 48-12RIB	
Description								15% moist	
Rating Date								Nov-25-2013	
Rating Type								YIELD	
Rating Unit								Bu/ac	
Crop Stage Scale									
ARM Action Codes									
Number of Decimals								1	
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code	
1	CHECK							A	130.9 cd
2	Perfect Blend	GR		1.5 ton/a	1.5 ton/a		PPI	A	189.0 ab
3	Perfect Blend	GR		0.75 ton/a	0.75 ton/a		PPI	A	177.6 ab
4	Herbrucks	GR		3 ton/a	3 ton/a		PPI	A	112.7 de
5	Herbrucks	GR		1.5 ton/a	1.5 ton/a		PPI	A	161.5 bc
6	Herbrucks	GR		3 ton/a	3 ton/a		PPI	A	90.4 e
	LQFSH	SL		5 gal/a	5 gal/a		FURROW	B	
7	Herbrucks	GR		1.5 ton/a	1.5 ton/a		PPI	A	167.8 abc
	LQFSH	SL		5 gal/a	5 gal/a		FURROW	B	
8	P205-PHOS	45 GR		120 lb ai/a	267 lb/a		PPI	A	203.2 a
	K2O 0-0-62	62 GR		110 lb ai/a	177 lb/a		PPI	A	
	GYPSUM	16 GR		30 lb ai/a	188 lb/a		PPI	A	
	Urea 46-0-0	46 GR		160 lb ai/a	348 lb/a		PPI	A	
9	P205-PHOS	45 GR		60 lb ai/a	133 lb/a		PPI	A	200.1 ab
	K2O 0-0-62	62 GR		55 lb ai/a	89 lb/a		PPI	A	
	GYPSUM	16 GR		15 lb ai/a	94 lb/a		PPI	A	
	Urea 46-0-0	46 GR		80 lb ai/a	174 lb/a		PPI	A	
LSD (P=.05)								39.00	
Standard Deviation								26.66	
CV								16.74	
Bartlett's X2								10.17	
P(Bartlett's X2)								0.253	
Skewness								-0.2826	
Kurtosis								-0.2872	
Replicate F								2.606	
Replicate Prob(F)								0.0762	
Treatment F								8.881	
Treatment Prob(F)								0.0001	

Crop Code
 ZEAMX, BCOR, Zea mays, = US
 Rating Type
 YIELD = yield
 Rating Unit
 Bu/ac = bushels per acre

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.
 Missing data estimates are included in columns: Yates=8