

MSU Soil Fertility Research Program

HIGH YIELD OMISSION VARIABLES IN CORN, 2012

Trial ID: CSV01-12 Location: SVRF Trial Year:
 Protocol ID: CSV01-12 Investigator: Kurt Steinke
 Project ID: CSV01-12 Study Director:
 Sponsor Contact:

Crop Code							ZEAMX
Crop Name							Corn
Crop Variety							DKC 48-12 RIB
Description							at 15.5%
Rating Date							Oct-9-2012
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	
		Unit					23
1	UREA 46-0-0	200 lb ai/a	435 lb/a		PPI	A	134 a
	MESZ	75 lb ai/a	188 lb/a		PPI	A	
	MOP	25 lb ai/a	41.7 lb/a		PPI	A	
	SUPER U	50 lb ai/a	109 lb/a		SD V6	B	
2	UREA 46-0-0	200 lb ai/a	435 lb/a		PPI	A	126 a
	MESZ	75 lb ai/a	188 lb/a		PPI	A	
	MOP	25 lb ai/a	41.7 lb/a		PPI	A	
	SUPER U	0 lb ai/a	0 lb/a		SD V6	B	
3	UREA 46-0-0	200 lb ai/a	435 lb/a		PPI	A	118 a
	MESZ	0 lb ai/a	0 lb/a		PPI	A	
	MOP	25 lb ai/a	41.7 lb/a		PPI	A	
	SUPER U	50 lb ai/a	109 lb/a		SD V6	B	
4	UREA 46-0-0	200 lb ai/a	435 lb/a		PPI	A	131 a
	MESZ	75 lb ai/a	188 lb/a		PPI	A	
	MOP	0 lb ai/a	0 lb/a		PPI	A	
	SUPER U	50 lb ai/a	109 lb/a		SD V6	B	
5	UREA 46-0-0	200 lb ai/a	435 lb/a		PPI	A	148 a
	MESZ	0 lb ai/a	0 lb/a		PPI	A	
	MOP	0 lb ai/a	0 lb/a		PPI	A	
	SUPER U	0 lb ai/a	0 lb/a		SD V6	B	
6	UREA 46-0-0	200 lb ai/a	435 lb/a		PPI	A	128 a
	MESZ	0 lb ai/a	0 lb/a		PPI	A	
	MOP	0 lb ai/a	0 lb/a		PPI	A	
	SUPER U	50 lb ai/a	109 lb/a		SD V6	B	
7	UREA 46-0-0	200 lb ai/a	435 lb/a		PPI	A	142 a
	MESZ	75 lb ai/a	188 lb/a		PPI	A	
	MOP	0 lb ai/a	0 lb/a		PPI	A	
	SUPER U	0 lb ai/a	0 lb/a		SD V6	B	
8	UREA 46-0-0	200 lb ai/a	435 lb/a		PPI	A	135 a
	MESZ	0 lb ai/a	0 lb/a		PPI	A	
	MOP	25 lb ai/a	41.7 lb/a		PPI	A	
	SUPER U	0 lb ai/a	0 lb/a		SD V6	B	
LSD (P=.05)							42.2
Standard Deviation							28.7
CV							21.65
Bartlett's X2							1.549
P(Bartlett's X2)							0.981
Skewness							0.1718
Kurtosis							-1.2885

Crop Code

ZEAMX, BCOR, Zea mays, = US

Rating Unit

bu/ac = bushels per acre

ARM Action Codes

TY1 = $4.444898 * [C22] * (100 - [C20]) / 84.5$

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.