

MSU Soil Fertility Research Program

EVALUATION OF IN-FURROW FERTILIZER APPLICATION IN CORN.

Trial ID: CSV07-15 Location: SVRF Trial Year: 2015
 Investigator: Kurt Steinke
 Project ID: WCCORN

Crop Code						ZEAMX
Crop Name						Corn
Crop Variety						DKC 48-12RIB
Description						bu/a
Rating Date						Oct-19-2015
Rating Type						YIELD
Rating Unit						BU
Crop Stage Scale						HARVEST
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Other Rate Rate Unit	Growth Stage
						11
1	CHECK Urea	46	GR	140 lb ai/a	304 lb/a	PPI
146.0 a						
2	10-34-0 Water Urea	AL		5 gal/a	5 gal/a	IN-FUR
		AL		1 gal/a	1 gal/a	IN-FUR
		46	GR	140 lb ai/a	304 lb/a	PPI
149.9 a						
3	10-34-0 WC216 Water Urea	AL		5 gal/a	5 gal/a	IN-FUR
		AL		2 qt/a	2 qt/a	IN-FUR
		AL		2 qt/a	2 qt/a	IN-FUR
		46	GR	140 lb ai/a	304 lb/a	PPI
154.2 a						
4	10-34-0 Blue Tsunami Water Urea	AL		5 gal/a	5 gal/a	IN-FUR
		AL		1 qt/a	1 qt/a	IN-FUR
		AL		0.75 gal/a	0.75 gal/a	IN-FUR
		46	GR	140 lb ai/a	304 lb/a	PPI
159.1 a						
5	10-34-0 Blue Tsunami Water WC216 Urea	AL		5 gal/a	5 gal/a	IN-FUR
		AL		1 qt/a	1 qt/a	IN-FUR
		AL		0.25 gal/a	0.25 gal/a	IN-FUR
		AL		2 qt/a	2 qt/a	IN-FUR
		46	GR	140 lb ai/a	304 lb/a	PPI
149.0 a						
6	10-34-0 Aventine Water Urea	AL		5 gal/a	5 gal/a	IN-FUR
		AL		2 qt/a	2 qt/a	IN-FUR
		AL		0.5 gal/a	0.5 gal/a	IN-FUR
		46	GR	140 lb ai/a	304 lb/a	PPI
145.3 a						
7	10-34-0 Aventine WC216 Urea	AL		5 gal/a	5 gal/a	IN-FUR
		AL		2 qt/a	2 qt/a	IN-FUR
		AL		2 qt/a	2 qt/a	IN-FUR
		46	GR	140 lb ai/a	304 lb/a	PPI
156.5 a						
8	WC139 Water Urea	AL		3 gal/a	3 gal/a	IN-FUR
		AL		3 gal/a	3 gal/a	IN-FUR
		46	GR	140 lb ai/a	304 lb/a	PPI
144.6 a						
LSD P=.05						18.40
Standard Deviation						12.51
CV						8.31
Replicate F						6.811
Replicate Prob(F)						0.0022
Treatment F						0.759
Treatment Prob(F)						0.6266

Crop Code

ZEAMX, BCOR, Zea mays, = US

Rating Type

YIELD = yield

Rating Unit

BU = bushel

ARM Action Codes

TY2 = 3.889286*[8]*(100-[9])/84.5

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.