

MSU Soil Fertility Research Program

EVALUATION OF IN FURROW APPLICATION IN CORN

Trial ID: CEL03-14 Location: CAMPUS Trial Year: 2014

Investigator: Kurt Steinke

Project ID: WCENT14ZM

Crop Code						ZEAMX Corn DKC 48-12RIB 15% moist Nov-5-2014 YIELD BU TY1
Crop Name						
Crop Variety						
Description						
Rating Date						
Rating Type						
Rating Unit						
ARM Action Codes						
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Other Rate Rate Unit	Growth Unit Stage
						7
1	Urea	46	D	140 lb ai/a	304 lb/a	PPI 195.0 a
2	Urea	46	D	140 lb ai/a	304 lb/a	PPI 193.0 a
	9-18-9	L		5 gal/a	5 gal/a	FURW
	Water	L		1 gal/a	1 gal/a	FURW
3	Urea	46	D	140 lb ai/a	304 lb/a	PPI 204.7 a
	WC139	L		3 gal/a	3 gal/a	FURW
	Water	L		3 gal/a	3 gal/a	FURW
4	Urea	46	D	140 lb ai/a	304 lb/a	PPI 197.8 a
	9-18-9	L		5 gal/a	5 gal/a	FURW
	Blue Tsunami	L		1 qt/a	1 qt/a	FURW
	Water	L		3 qt/a	3 qt/a	FURW
5	Urea	46	D	140 lb ai/a	304 lb/a	PPI 184.2 a
	9-18-9	L		5 gal/a	5 gal/a	FURW
	WC101	L		24 fl oz/a	24 fl oz/a	FURW
	Water	L		3.25 qt/a	3.25 qt/a	FURW
6	Urea	46	D	140 lb ai/a	304 lb/a	PPI 197.6 a
	9-18-9	L		5 gal/a	5 gal/a	FURW
	Aventine	L		2 qt/a	2 qt/a	FURW
	Water	L		2 qt/a	2 qt/a	FURW
7	Urea	46	D	140 lb ai/a	304 lb/a	PPI 201.6 a
	9-18-9	L		5 gal/a	5 gal/a	FURW
	Blue Tsunami	L		1 qt/a	1 qt/a	FURW
	WC101	L		24 fl oz/a	24 fl oz/a	FURW
	Water	L		2.25 qt/a	2.25 qt/a	FURW
8	Urea	46	D	140 lb ai/a	304 lb/a	PPI 191.6 a
	9-18-9	L		5 gal/a	5 gal/a	FURW
	Aventine	L		2 qt/a	2 qt/a	FURW
	WC101	L		24 fl oz/a	24 fl oz/a	FURW
	Water	L		1.25 gal/a	1.25 gal/a	FURW
9	Urea	46	D	140 lb ai/a	304 lb/a	PPI 192.8 a
	WC150	L		8 fl oz/a	8 fl oz/a	FURW
	Water	L		5.94 gal/a	5.94 gal/a	FURW

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.

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 Investigator: Kurt Steinke
 Project ID: WCENT14ZM

Crop Code						ZEAMX
Crop Name						Corn
Crop Variety						DKC 48-12RIB
Description						15% moist
Rating Date						Nov-5-2014
Rating Type						YIELD
Rating Unit						BU
ARM Action Codes						TY1
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Other Rate Rate Unit	Growth Stage
						7
10	Urea	46	D	140 lb ai/a	304 lb/a	PPI
	9-18-9		L	5 gal/a	5 gal/a	FURW
	Blue Tsunami		L	1 qt/a	1 qt/a	FURW
	WC150		L	8 fl oz/a	8 fl oz/a	FURW
	Water		L	2.75 qt/a	2.75 qt/a	FURW
LSD (P=.05)						26.11
Standard Deviation						18.00
CV						9.22
Bartlett's X2						5.294
P(Bartlett's X2)						0.808
Skewness						-0.3348
Kurtosis						-0.6083
Replicate F						1.139
Replicate Prob(F)						0.3510
Treatment F						0.401
Treatment Prob(F)						0.9237

Crop Code
 ZEAMX, BCOR, Zea mays, = US
Rating Type
 YIELD = yield
Rating Unit
 BU = bushel
ARM Action Codes
 TY1 = 3.889286*[C4]*(100-[C5])/85