

MSU Soil Fertility Research Program

RESPONSE OF CORN TO STIMULATE

Trial ID: CSV11-16 Location: SVRF Trial Year: 2016
 Investigator: Kurt Steinke
 Project ID: STIMCORN

							ZEAMX Corn DKC48-12 bu/ac@15.5% Oct-25-2016 YIELD BU
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Other Rate	Other Rate Unit	Growth Stage
1	Check	46 GR	3 AL	120 lb ai/a 60 lb ai/a	260 lb/a 20 gal/a		PPI SDV3-4
	Urea 46-0-0 28% Nitrogen						205 a
2	Stimulate	AL	AL	0.5 pt/a 5.9375 gal/a	0.5 pt/a 5.9375 gal/a		IN-FUR IN-FUR
	Water						202 a
	Urea 46-0-0 28% Nitrogen	46 GR 3 AL		120 lb ai/a 60 lb ai/a	260 lb/a 20 gal/a		PPI SDV3-4
3	Stimulate	AL	AL	1 pt/a 5.875 gal/a	1 pt/a 5.875 gal/a		IN-FUR IN-FUR
	Water						203 a
	Urea 46-0-0 28% Nitrogen	46 GR 3 AL		120 lb ai/a 60 lb ai/a	260 lb/a 20 gal/a		PPI SDV3-4
4	6-24-6	AL	AL	2 gal/a 4 gal/a	2 gal/a 4 gal/a		IN-FUR IN-FUR
	Water						205 a
	Urea 46-0-0 28% Nitrogen	46 GR 3 AL		120 lb ai/a 60 lb ai/a	260 lb/a 20 gal/a		PPI SDV3-4
5	Stimulate	AL	AL	0.5 pt/a 2 gal/a	0.5 pt/a 2 gal/a		IN-FUR IN-FUR
	6-24-6						213 a
	Water	AL	AL	3.9375 gal/a	3.9375 gal/a		IN-FUR IN-FUR
	Urea 46-0-0 28% Nitrogen	46 GR 3 AL		120 lb ai/a 60 lb ai/a	260 lb/a 20 gal/a		PPI SDV3-4
6	Stimulate	AL	AL	1 pt/a 2 gal/a	1 pt/a 2 gal/a		IN-FUR IN-FUR
	6-24-6						211 a
	Water	AL	AL	3.875 gal/a	3.875 gal/a		IN-FUR IN-FUR
	Urea 46-0-0 28% Nitrogen	46 GR 3 AL		120 lb ai/a 60 lb ai/a	260 lb/a 20 gal/a		PPI SDV3-4
7	6-24-6	AL	AL	4 gal/a 2 gal/a	4 gal/a 2 gal/a		IN-FUR IN-FUR
	Water						210 a
	Urea 46-0-0 28% Nitrogen	46 GR 3 AL		120 lb ai/a 60 lb ai/a	260 lb/a 20 gal/a		PPI SDV3-4
8	Stimulate	AL	AL	0.5 pt/a 4 gal/a	0.5 pt/a 4 gal/a		IN-FUR IN-FUR
	6-24-6						206 a
	Water	AL	AL	1.9375 gal/a	1.9375 gal/a		IN-FUR IN-FUR
	Urea 46-0-0 28% Nitrogen	46 GR 3 AL		120 lb ai/a 60 lb ai/a	260 lb/a 20 gal/a		PPI SDV3-4
9	Stimulate	AL	AL	1 pt/a 4 gal/a	1 pt/a 4 gal/a		IN-FUR IN-FUR
	6-24-6						220 a
	Water	AL	AL	1.875 gal/a	1.875 gal/a		IN-FUR IN-FUR
	Urea 46-0-0 28% Nitrogen	46 GR 3 AL		120 lb ai/a 60 lb ai/a	260 lb/a 20 gal/a		PPI SDV3-4

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.

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Crop Code							ZEAMX
Crop Name							Corn
Crop Variety							DKC48-12
Description							bu/ac@15.5%
Rating Date							Oct-25-2016
Rating Type							YIELD
Rating Unit							BU
Crop Stage Scale							
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Other Rate	Other Rate Unit	Growth Stage
							6
10	Stimulate	AL		2 pt/a	2 pt/a		IN-FUR
	Water	AL		5.75 gal/a	5.75 gal/a		IN-FUR
	Urea 46-0-0	46 GR		120 lb ai/a	260 lb/a		PPI
	28% Nitrogen	3 AL		60 lb ai/a	20 gal/a		SDV3-4
LSD P=.05							16.3
Standard Deviation							11.3
CV							5.4
Replicate F							1.841
Replicate Prob(F)							0.1636
Treatment F							0.914
Treatment Prob(F)							0.5280

Crop Code
 ZEAMX, BCOR, Zea mays, = US
Rating Type
 YIELD = yield
Rating Unit
 BU = bushel
ARM Action Codes
 $TY1 = 3.889286 * [C3] * (100 - [C4]) / 84.5$