

MSU Soil Fertility Research Program

EFFECT OF NITROGEN STABILIZERS AND APPLICATION METHOD.

Trial ID: CEL01-14 Location: CAMPUS Trial Year: 2014

Investigator: Kurt Steinke

Project ID: DOW9

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						
Crop Stage Scale	TY1						
ARM Action Codes	TY1						
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Other Rate Rate Unit	Growth Unit Stage	
1	UNTREATED						104.9 e
2	28% Nitrogen	3	SC	130 lb ai/a	43.3 gal/a	PRE	184.6 abc
3	28% Nitrogen	3	SC	110 lb ai/a	36.7 gal/a	PRE	167.8 d
4	28% Nitrogen Instinct II	3	SC SC	130 lb ai/a 37 fl oz/a	43.3 gal/a 37 fl oz/a	PRE PRE	176.9 bcd
5	28% Nitrogen Instinct II	3	SC SC	110 lb ai/a 37 fl oz/a	36.7 gal/a 37 fl oz/a	PRE PRE	173.0 bcd
6	28% Nitrogen	3	SC	130 lb ai/a	43.3 gal/a	SDV2-3	194.4 a
7	28% Nitrogen Instinct II	3	SC SC	130 lb ai/a 37 fl oz/a	43.3 gal/a 37 fl oz/a	SDV2-3 SDV2-3	187.5 ab
8	28% Nitrogen 28% Nitrogen	3	SC SC	78 lb ai/a 52 lb ai/a	26 gal/a 17.3 gal/a	PRE SDV2-3	187.4 ab
9	28% Nitrogen Instinct II 28% Nitrogen	3	SC SC SC	78 lb ai/a 37 fl oz/a 52 lb ai/a	26 gal/a 37 fl oz/a 17.3 gal/a	PRE PRE SDV2-3	169.9 cd
LSD (P=.05)							16.13
Standard Deviation							11.05
CV							6.43
Bartlett's X2							6.573
P(Bartlett's X2)							0.583
Skewness							-1.3184*
Kurtosis							1.003
Replicate F							13.072
Replicate Prob(F)							0.0001
Treatment F							23.271
Treatment Prob(F)							0.0001

Crop Code

ZEAMX, BCOR, Zea mays, = US

Rating Type

YIELD = yield

Rating Unit

BU = bushel

ARM Action Codes

TY1 =  $3.889286 * [7] * (100 - [8]) / 85$

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.