

MSU Soil Fertility Research Program

CORN RESPONSE TO MERGE WITH IN FURROW AND POST APPLICATIONS.

Trial ID: CEL14-13 Location: CAMPUS Trial Year: 2013

Investigator: Kurt Steinke

Project ID: ANDER

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code	Yield
										26
1	H2O +Merge 1% Urea 46-0-0 28% Nitrogen	SL 46 GR 3 SC		3 gal/a 75 lb ai/a 125 lb ai/a	gal/a lb ai/a lb ai/a	3 gal/a 163 lb/a 41.7 gal/a	gal/a lb/a gal/a	FURW PPI SDV3-4	A B C	189.6 a
2	SeasonPass+ Urea 46-0-0 28% Nitrogen	SL 46 GR 3 SC		3 gal/a 75 lb ai/a 125 lb ai/a	gal/a lb ai/a lb ai/a	3 gal/a 163 lb/a 41.7 gal/a	gal/a lb/a gal/a	FURW PPI SDV3-4	A B C	192.9 a
3	SeasnPass+ Merge1% Urea 46-0-0 28% Nitrogen	SL 46 GR 3 SC		3 gal/a 75 lb ai/a 125 lb ai/a	gal/a lb ai/a lb ai/a	3 gal/a 163 lb/a 41.7 gal/a	gal/a lb/a gal/a	FURW PPI SDV3-4	A B C	193.5 a
4	SeasnPass+ .5% Merge Urea 46-0-0 28% Nitrogen	SL SL 46 GR 3 SC		3 gal/a 0.5 % v/v 75 lb ai/a 125 lb ai/a	gal/a % v/v lb ai/a lb ai/a	3 gal/a 0.5 % v/v 163 lb/a 41.7 gal/a	gal/a % v/v lb/a gal/a	FURW FURW PPI SDV3-4	A A B C	186.4 a
5	H2O +Merge 1% Mix for 12 GPA H2O +Merge 1% Urea 46-0-0 28% Nitrogen	SL SL 46 GR 3 SC		3 gal/a 1 gal/a 75 lb ai/a 125 lb ai/a	gal/a gal/a lb ai/a lb ai/a	3 gal/a 1 gal/a 163 lb/a 41.7 gal/a	gal/a gal/a lb/a gal/a	FURW POSTV5 PPI SDV3-4	A D D B C	194.1 a
6	H2O +Merge 1% Mix for 12 GPA OverPass CF Urea 46-0-0 28% Nitrogen	SL SL 46 GR 3 SC		3 gal/a 1 gal/a 75 lb ai/a 125 lb ai/a	gal/a gal/a lb ai/a lb ai/a	3 gal/a 1 gal/a 163 lb/a 41.7 gal/a	gal/a gal/a lb/a gal/a	FURW POSTV5 PPI SDV3-4	A D D B C	200.6 a
7	H2O +Merge 1% Mix for 12 GPA OverPassCF+Merge1% Urea 46-0-0 28% Nitrogen	SL SL 46 GR 3 SC		3 gal/a 1 gal/a 75 lb ai/a 125 lb ai/a	gal/a gal/a lb ai/a lb ai/a	3 gal/a 1 gal/a 163 lb/a 41.7 gal/a	gal/a gal/a lb/a gal/a	FURW POSTV5 PPI SDV3-4	A D D B C	197.5 a
8	SeasnPass+ Merge1% Mix for 12 GPA OverPassCF+Merge1% Urea 46-0-0 28% Nitrogen	SL SL 46 GR 3 SC		3 gal/a 1 gal/a 75 lb ai/a 125 lb ai/a	gal/a gal/a lb ai/a lb ai/a	3 gal/a 1 gal/a 163 lb/a 41.7 gal/a	gal/a gal/a lb/a gal/a	FURW POSTV5 PPI SDV3-4	A D D B C	212.8 a
9	CONTROL Urea 46-0-0 28% Nitrogen	SL 46 GR 3 SC		3 gal/a 75 lb ai/a 125 lb ai/a	gal/a lb ai/a lb ai/a	3 gal/a 163 lb/a 41.7 gal/a	gal/a lb/a gal/a	FURW PPI SDV3-4	A B C	203.6 a
	LSD (P=.05)									0.04t
	Standard Deviation									0.03t
	CV									1.16
	Bartlett's X2									13.42
	P(Bartlett's X2)									0.098
	Skewness									0.8973*
	Kurtosis									1.2726
	Replicate F									2.527
	Replicate Prob(F)									0.0814
	Treatment F									1.699
	Treatment Prob(F)									0.1501

Crop Code
ZEAMX, BCOR, Zea mays, = US
Rating Type
Yield = yield

Means followed by same letter do not significantly differ (P=.05, LSD)
t=Mean descriptions are reported in transformed data units, and are not de-transformed.
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Rating Unit

Bu/ac = bushels per acre

ARM Action Codes

AL = Automatic log transformation of X+1

TY1 = LOG([26]+ 1)