

MSU Soil Fertility Research Program

EFFECT OF INSTINCT IN RED WINTER WHEAT PRODUCTION IN MICHIGAN

Trial ID: WHT08-14.15 Location: CAMPUS Trial Year: 2014
 Investigator: Kurt Steinke
 Project ID: DOWWHT

Crop Code							TRZAW	
Crop Name							Winter wheat	
Crop Variety							Red Dragon	
Description							yield	
Rating Date							Jul-16-2015	
Rating Type							YIELD	
Rating Unit							BU	
Crop Stage Scale							HARVEST	
ARM Action Codes							ER1 TY1	
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Other Rate	Other Rate Unit	Growth Stage	
1	Untreated Check							64.6 c
2	Urea 46-0-0 28% Nitrogen	46 GR 3 AL		36 lb ai/a 54 lb ai/a	78 lb/a 18 gal/a		GRNUP FKS5	85.0 b
3	Intinct II Urea 46-0-0 28% Nitrogen	1.58 AL 46 GR 3 AL		37 fl oz/a 36 lb ai/a 54 lb ai/a	37 fl oz/a 78 lb/a 18 gal/a		GRNUP GRNUP FKS5	94.4 ab
4	Urea 46-0-0 Intinct II 28% Nitrogen	46 GR 1.58 AL 3 AL		36 lb ai/a 37 fl oz/a 54 lb ai/a	78 lb/a 37 fl oz/a 18 gal/a		GRNUP FKS5 FKS5	90.4 ab
5	Urea 46-0-0 28% Nitrogen	46 GR 3 AL		32 lb ai/a 45 lb ai/a	69.6 lb/a 15 gal/a		GRNUP FKS5	84.4 b
6	Intinct II Urea 46-0-0 28% Nitrogen	1.58 AL 46 GR 3 AL		37 fl oz/a 32 lb ai/a 45 lb ai/a	37 fl oz/a 69.6 lb/a 15 gal/a		GRNUP GRNUP FKS5	89.0 ab
7	Urea 46-0-0 Intinct II 28% Nitrogen	46 GR 1.58 AL 3 AL		32 lb ai/a 37 fl oz/a 45 lb ai/a	69.6 lb/a 37 fl oz/a 15 gal/a		GRNUP FKS5 FKS5	96.5 a
8	Urea 46-0-0 AgrotainULTRA 28% Nitrogen	46 GR AL 3 AL		36 lb ai/a 1.5 qt/ton 54 lb ai/a	78 lb/a 1.5 qt/ton 18 gal/a		GRNUP FKS5 FKS5	99.3 a
9	Intinct II Urea 46-0-0 AgrotainULTRA 28% Nitrogen	1.58 AL 46 GR AL 3 AL		37 fl oz/a 36 lb ai/a 1.5 qt/ton 54 lb ai/a	37 fl oz/a 78 lb/a 1.5 qt/ton 18 gal/a		GRNUP GRNUP FKS5 FKS5	90.7 ab
10	Urea 46-0-0 Intinct II AgrotainULTRA 28% Nitrogen	46 GR 1.58 AL AL 3 AL		36 lb ai/a 37 fl oz/a 1.5 qt/ton 54 lb ai/a	78 lb/a 37 fl oz/a 1.5 qt/ton 18 gal/a		GRNUP FKS5 FKS5 FKS5	90.5 ab
LSD P=.10							10.58	
Standard Deviation							7.47	
CV							8.45	
Bartlett's X2							9.705	
P(Bartlett's X2)							0.375	
Skewness							-0.8313	
Kurtosis							-0.1097	

Means followed by same letter do not significantly differ (P=.10, LSD)
 Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.
 Excluded replicate 1 in column 20

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Randomized Complete Block (RCB) AOV For TRZAW Winter wheat Red Dragon yield Jul-16-2015 YIELD BU HARVEST ER1 TY1 (Data Column 20)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	29	5651.063864			
Replicate	2	2163.527372	1081.763686	19.369	0.0001
Treatment	9	2482.244998	275.805000	4.938	0.0020
Error	18	1005.291495	55.849527		

Crop Code

TRZAW, BCER, Triticum aestivum (winter), = US

Rating Type

YIELD = yield

Rating Unit

BU = bushel

ARM Action Codes

ER1 = Excluded replicate 1

TY1 = $8.642858 * [C19] * (100 - [C17]) / 86.5$