

MSU Soil Fertility Research Program

EFFICACY OF INSTINCT II WHEN APPLIED WITH UREA FOLLOWED BY UREA IN MICHIGAN WINTER WHEAT, 2013-2014

Trial ID: WHT06-13.14 Location: CAMPUS Trial Year: 2013  
 Protocol ID: WHT06-13.14 Investigator: Kurt Steinke  
 Project ID: DOWWHT

Crop Code							TRZAW
Crop Name							Winter wheat
Crop Variety							Red Dragon
Description							bu/acre
Rating Date							Jul-21-2014
Rating Type							YIELD
Rating Unit							BU
Crop Stage Scale							HARVEST
ARM Action Codes							TY5
Number of Decimals							1
Trt No.	Treatment Name	Rate	Other Rate	Other Rate	Growth Stage	Appl Code	
		Rate Unit	Rate	Rate	Unit		26
2	Urea 46-0-0 28% Nitrogen	32 lb ai/a 48 lb ai/a	69.6 lb/a 16 gal/a		GRNUP 3-4WAGU	A B	89.4 a
3	Urea 46-0-0 Intinct II 28% Nitrogen	32 lb ai/a 37 fl oz/a 48 lb ai/a	69.6 lb/a 37 fl oz/a 16 gal/a		GRNUP GRNUP 3-4WAGU	A A B	89.9 a
4	Urea 46-0-0 28% Nitrogen Intinct II	32 lb ai/a 48 lb ai/a 37 fl oz/a	69.6 lb/a 16 gal/a 37 fl oz/a		GRNUP 3-4WAGU 3-4WAGU	A B B	93.6 a
5	Urea 46-0-0 AgrotainULTRA 28% Nitrogen	32 lb ai/a 3 qt/ton 48 lb ai/a	69.6 lb/a 16 gal/a		GRNUP GRNUP 3-4WAGU	A A B	99.8 a
6	Urea 46-0-0 28% Nitrogen AgrotainULTRA	32 lb ai/a 48 lb ai/a 1.5 qt/ton	69.6 lb/a 16 gal/a		GRNUP 3-4WAGU 3-4WAGU	A B B	90.5 a
7	Urea 46-0-0 Intinct II AgrotainULTRA 28% Nitrogen	32 lb ai/a 37 fl oz/a 3 qt/ton 48 lb ai/a	69.6 lb/a 37 fl oz/a 16 gal/a		GRNUP GRNUP GRNUP 3-4WAGU	A A A B	96.4 a
8	Urea 46-0-0 28% Nitrogen AgrotainULTRA Intinct II	32 lb ai/a 48 lb ai/a 1.5 qt/ton 37 fl oz/a	69.6 lb/a 16 gal/a		GRNUP 3-4WAGU 3-4WAGU 3-4WAGU	A B B B	93.5 a
LSD (P=.05)							10.37
Standard Deviation							6.98
CV							7.48

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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Randomized Complete Block (RCB) AOV For TRZAW Winter wheat Red Dragon bu/acre Jul-21-2014  
YIELD BU HARVEST TY5 1 (Data Column 26)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	27	1747.415606			
Replicate	3	524.313795	174.771265	3.584	0.0343
Treatment	6	345.242165	57.540361	1.180	0.3602
Error	18	877.859645	48.769980		

Crop Code

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

Rating Type

YIELD = yield

Rating Unit

BU = bushel

ARM Action Codes

TY5 =  $7.902041 * [C25] * (100 - [C23]) / 86.5$