

MSU Soil Fertility Research Program

RED WINTER WHEAT AS AFFECTED BY PALISADE AND PLANTING DATE

Trial ID: WHT09-15.16 Location: Campus Trial Year: 2015
 Investigator: Kurt Steinke
 Project ID: Planter Palisade

Crop Code						TRZAW		
Crop Name						Winter wheat		
Crop Variety						Sunburst		
Description						Yield		
Rating Date						Jul-11-2016		
Rating Type						HARVEST		
Rating Unit						BU		
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Other Rate	Other Rate Unit	Growth Stage	11
TABLE OF R MEANS								
Replicate 1								69.9
Replicate 2								70.0
Replicate 3								76.7
Replicate 4								75.4
TABLE OF A (Planting Date) MEANS								
1 Late September								83.1 a
2 Late October								62.9 b
LSD P=.05								6.07
Standard Deviation								3.81
CV								5.22
TABLE OF B (Nitrogen) MEANS								
1 NO Palisade								73.1 a
1 Urea 46-0-0	46 GR			90 lb ai/a	196 lb/a	GRNUP		
2 Palisade								72.9 a
2 Palisade	AL			12 fl oz/a	12 fl oz/a	FKS6		
2 NIS				0.25 % v/v	0.25 % v/v	FKS6		
2 Urea 46-0-0	46 GR			90 lb ai/a	196 lb/a	GRNUP		
LSD P=.05								8.17
Standard Deviation								6.68
CV								9.14
TABLE OF A (Planting Date) B (Nitrogen) MEANS								
1 Late September								84.0 a
1 NO Palisade								
1 Urea 46-0-0	46 GR			90 lb ai/a	196 lb/a	GRNUP		
2 Late October								62.2 a
1 NO Palisade								
1 Urea 46-0-0	46 GR			90 lb ai/a	196 lb/a	GRNUP		
1 Late September								82.2 a
2 Palisade								
2 Palisade	AL			12 fl oz/a	12 fl oz/a	FKS6		
2 NIS				0.25 % v/v	0.25 % v/v	FKS6		
2 Urea 46-0-0	46 GR			90 lb ai/a	196 lb/a	GRNUP		

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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Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Other Rate	Other Rate Unit	Growth Stage
							11
2	Late October						63.6 a
2	Palisade						
2	Palisade	AL		12 fl oz/a	12 fl oz/a		FKS6
2	NIS			0.25 % v/v	0.25 % v/v		FKS6
2	Urea 46-0-0	46 GR		90 lb ai/a	196 lb/a		GRNUP
LSD P=.05							11.55
Standard Deviation							6.68
CV							9.14

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COMPLETE SPLIT-PLOT AOV For TRZAW Winter wheat Sunburst Yield Jul-11-2016 HARVEST BU (Data Column 11)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.05)
Total	15	2100.039484				
R	3	151.260992	50.420331	1.131	0.4087	
A	1	1627.793846	1627.793846	112.031	0.0018	6.1
ERROR A	3	43.589476	14.529825			
B	1	0.105944	0.105944	0.002	0.9627	8.2
AB	1	9.858042	9.858042	0.221	0.6548	11.6
ERROR B	6	267.431183	44.571864			

FACTORIAL/POOLED ERROR AOV For TRZAW Winter wheat Sunburst Yield Jul-11-2016 HARVEST BU (Data Column 11)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.05)
Total	15	2100.039484				
R	3	151.260992	50.420331	1.459	0.2898	
A	1	1627.793846	1627.793846	47.103	0.0001	6.6
B	1	0.105944	0.105944	0.003	0.9571	6.6
AB	1	9.858042	9.858042	0.285	0.6062	9.4
ERROR	9	311.020660	34.557851			

Crop Code

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

Rating Unit

BU = bushel

ARM Action Codes

$$TY1 = 9.219048 * [C8] * (100 - [C9]) / 86.5$$