

MSU Soil Fertility Research Program

RED WINTER WHEAT AS AFFECTED BY PALISADE AND PLANTING DATE

Trial ID: WHT01-14.15 Location: Campus Trial Year: 2014  
 Investigator: Kurt Steinke  
 Project ID: Planter Palisade

Crop Code	TRZAW							
Crop Name	Winter wheat							
Crop Variety	Red Dragon							
Description	bu/ac							
Rating Date	Jul-16-2015							
Rating Type	YIELD							
Rating Unit	BU							
Crop Stage Scale	HARVEST							
ARM Action Codes	ET4 TY1							
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Other Rate	Other Rate Unit	Growth Stage	13
TABLE OF R MEANS								
Replicate 1								101.0
Replicate 2								112.6
Replicate 3								112.2
Replicate 4								120.7
TABLE OF A (Planting Date) MEANS								
1 Late Sept								115.5 a
2 Early Oct								113.8 a
3 Late October								105.6 a
LSD P=.10								12.07
Standard Deviation								12.42
CV								11.13
TABLE OF B (Nitrogen) MEANS								
1 NO Palisade								112.6 a
1	Urea 46-0-0	46 GR		90 lb ai/a	196 lb/a		GRNUP	
2 Palisade								110.7 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=.10								7.83
Standard Deviation								10.47
CV								9.38
TABLE OF A (Planting Date) B (Nitrogen) MEANS								
1 Late Sept								121.8 a
1	NO Palisade							
1	Urea 46-0-0	46 GR		90 lb ai/a	196 lb/a		GRNUP	
2 Early Oct								116.2 a
1	NO Palisade							
1	Urea 46-0-0	46 GR		90 lb ai/a	196 lb/a		GRNUP	
3 Late October								99.8 a
1	NO Palisade							
1	Urea 46-0-0	46 GR		90 lb ai/a	196 lb/a		GRNUP	
1 Late Sept								109.3 a
2	Palisade	AL		12 fl oz/a	12 fl oz/a		FKS6	
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	
2 Early Oct								111.4 a
2	Palisade	AL		12 fl oz/a	12 fl oz/a		FKS6	
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	
3 Late October								111.5 a
2	Palisade	AL		12 fl oz/a	12 fl oz/a		FKS6	
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=.10								13.57

Means followed by same letter do not significantly differ (P=.10, LSD)

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Description	bu/ac
Rating Date	Jul-16-2015
Rating Type	YIELD
Rating Unit	BU
Crop Stage Scale	HARVEST
ARM Action Codes	ET4 TY1
Trt Treatment No. Name	Form Form Conc Type Rate Rate Unit
Other Other Rate Rate Unit	Growth Stage
	13
Standard Deviation	10.47
CV	9.38

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COMPLETE SPLIT-PLOT AOV For TRZAW Winter wheat Red Dragon bu/ac Jul-16-2015 YIELD BU HARVEST ET4 TY1 (Data Column 13)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	23	4157.802361				
R	3	1170.464475	390.154825	3.561	0.0604	
A	2	444.726161	222.363081	1.441	0.3082	12.1
ERROR A	6	925.828421	154.304737			
B	1	21.289918	21.289918	0.194	0.6697	7.8
AB	2	609.502589	304.751294	2.782	0.1147	13.6
ERROR B	9	985.990796	109.554533			

Crop Code

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

Rating Type

YIELD = yield

Rating Unit

BU = bushel

ARM Action Codes

ET4 = Excluded treatment 4

TY1 =  $8.642858 \cdot [12] \cdot (100 - [10]) / 86.5$