

MSU Soil Fertility Research Program  
HIGH MANAGEMENT WHEAT WITH FALL APPLIED FERTILIZERS  
Trial ID: WHT07-16.17      Location: Campus      Trial Year: 2016  
Investigator: Kurt Steinke

Project ID: MOWHYMGWHT

Crop Code						TRZAW		
Crop Name						Winter wheat		
Description						bu/ac		
Rating Date						Jul-9-2017		
Rating Type						YIELD		
Rating Unit						BU		
ARM Action Codes						TY1		
Number of Decimals						0		
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Other Rate	Other Rate Unit	Growth Stage	
	1 CHECK	No Fert						6
	1 CHECK	No Fert						39 f
2	Urea 46-0-0	46 GR		24 lb ai/a	52 lb/a		FALL	86 e
	Urea 46-0-0	46 GR		36 lb ai/a	78 lb/a		GRNUP	
	28% Nitrogen	3 AL		54 lb ai/a	18 gal/a		FKS5	
3	MAP 11-52-0	52 GR		60 lb ai/a	115 lb/a		FALL	89 de
	Urea 46-0-0	46 GR		11 lb ai/a	24 lb/a		FALL	
	Urea 46-0-0	46 GR		36 lb ai/a	78 lb/a		GRNUP	
	28% Nitrogen	3 AL		54 lb ai/a	18 gal/a		FKS5	
4	MAP 11-52-0	52 GR		60 lb ai/a	115 lb/a		FALL	94 a-d
	MOP Mosaic	60 GR		60 lb ai/a	100 lb/a		FALL	
	Urea 46-0-0	46 GR		11 lb ai/a	24 lb/a		FALL	
	Urea 46-0-0	46 GR		36 lb ai/a	78 lb/a		GRNUP	
	28% Nitrogen	3 AL		54 lb ai/a	18 gal/a		FKS5	
5	MAP 11-52-0	52 GR		60 lb ai/a	115 lb/a		FALL	90 cde
	Aspire	58 GR		60 lb ai/a	103 lb/a		FALL	
	Urea 46-0-0	46 GR		11 lb ai/a	24 lb/a		FALL	
	Urea 46-0-0	46 GR		36 lb ai/a	78 lb/a		GRNUP	
	28% Nitrogen	3 AL		54 lb ai/a	18 gal/a		FKS5	
6	MESZ	40 GR		60 lb ai/a	150 lb/a		FALL	97 ab
	Urea 46-0-0	46 GR		6 lb ai/a	13 lb/a		FALL	
	Urea 46-0-0	46 GR		36 lb ai/a	78 lb/a		GRNUP	
	28% Nitrogen	3 AL		54 lb ai/a	18 gal/a		FKS5	
7	MESZ	40 GR		60 lb ai/a	150 lb/a		FALL	99 a
	MOP Mosaic	60 GR		60 lb ai/a	100 lb/a		FALL	
	Urea 46-0-0	46 GR		6 lb ai/a	13 lb/a		FALL	
	Urea 46-0-0	46 GR		36 lb ai/a	78 lb/a		GRNUP	
	28% Nitrogen	3 AL		54 lb ai/a	18 gal/a		FKS5	
8	MESZ	40 GR		60 lb ai/a	150 lb/a		FALL	97 ab
	Aspire	58 GR		60 lb ai/a	103 lb/a		FALL	
	Urea 46-0-0	46 GR		6 lb ai/a	13 lb/a		FALL	
	Urea 46-0-0	46 GR		36 lb ai/a	78 lb/a		GRNUP	
	28% Nitrogen	3 AL		54 lb ai/a	18 gal/a		FKS5	
9	MES10	40 GR		60 lb ai/a	150 lb/a		FALL	91 b-e
	Urea 46-0-0	46 GR		6 lb ai/a	13 lb/a		FALL	
	Urea 46-0-0	46 GR		36 lb ai/a	78 lb/a		GRNUP	
	28% Nitrogen	3 AL		54 lb ai/a	18 gal/a		FKS5	
10	MES15	33 GR		60 lb ai/a	182 lb/a		FALL	96 abc
	Urea 46-0-0	46 GR		36 lb ai/a	78 lb/a		GRNUP	
	28% Nitrogen	3 AL		54 lb ai/a	18 gal/a		FKS5	

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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Rating Type	YIELD							
Rating Unit	BU							
ARM Action Codes	TY1							
Number of Decimals	0							
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Other Rate	Other Rate Unit	Growth Stage	
11	EXP45	45	GR	60 lb ai/a	133 lb/a		FALL	95 a-d
	Urea 46-0-0	46	GR	8 lb ai/a	17.4 lb/a		FALL	
	Urea 46-0-0	46	GR	36 lb ai/a	78 lb/a		GRNUP	
	28% Nitrogen	3	AL	54 lb ai/a	18 gal/a		FKS5	
LSD P=.05								6.3
Standard Deviation								4.4
CV								4.96
Replicate F								17.512
Replicate Prob(F)								0.0001
Treatment F								58.758
Treatment Prob(F)								0.0001

Crop Code  
 TRZAW, BCER, Triticum aestivum, Winter wheat = US  
Rating Type  
 YIELD = yield  
Rating Unit  
 BU = bushel  
ARM Action Codes  
 TY1 = 9.219048\*[3]\*(100-[4])/86.5

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