

MSU Soil Fertility Research Program

WHEAT AS AFFECTED BY HIGH MANAGEMENT FERTILIZER PROGRAMS

Trial ID: WHT06-15.16 Location: CAMPUS Trial Year: 2015

Investigator: Kurt Steinke

Project ID: MOWHYMG

Crop Code Crop Name Crop Variety Description Rating Date Rating Type Rating Unit						TRZAW Winter wheat Sunburst Yield Jul-11-2016 HARVEST BU	
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Other Rate Rate Unit	Growth Stage	5
1							58.0 c
2	Urea 46-0-0	46 GR		24 lb ai/a	52 lb/a	FALL	104.5 ab
	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	105.9 ab
	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	104.5 ab
	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	108.3 a
	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	101.7 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	99.8 ab
	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	101.1 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	96.2 b
	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	100.6 ab
	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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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
							5
11	EXP45	45	GR	60 lb ai/a	133 lb/a		FALL
	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							11.92
Standard Deviation							8.26
CV							8.39
Replicate F							2.990
Replicate Prob(F)							0.0465
Treatment F							11.178
Treatment Prob(F)							0.0001

Crop Code

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

Rating Unit

BU = bushel

ARM Action Codes

TY1 = $9.219048 * [2] * (100 - [3]) / 86.5$