

MSU Soil Fertility Research Program
 RESPONSE OF WINTER WHEAT TO FALL APPLIED PHOSPHORUS BASED FERTILIZERES
 Trial ID: WHT05-18.19 Location: CAMPUS Trial Year: 2018
 Investigator: Kurt Steinke
 Project ID: MOMESTEN

Crop Code						TRZAW	
Crop Name						Winter wheat	
Crop Variety						Starburst	
Description						Yield	
Rating Date						Jul-23-2019	
Rating Type						YIELD	
Rating Unit						bu/ac	
Crop Stage Scale						HARVEST	
ARM Action Codes						ET11 TY1	
Number of Decimals						1	
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Other Rate Unit	Growth Stage	
							4
1	Urea 46-0-0	46 GR		25.8 lb ai/a	56 lb/a	FallPPI	102.3 a
	Urea 46-0-0	46 GR		100 lb ai/a	217 lb/a	GRNUP	
2	MAP 11-52-0	52 GR		60 lb ai/a	115 lb/a	FallPPI	107.0 a
	Urea 46-0-0	46 GR		13 lb ai/a	28.3 lb/a	FallPPI	
	Urea 46-0-0	46 GR		100 lb ai/a	217 lb/a	GRNUP	
3	MAP 11-52-0	52 GR		60 lb ai/a	115 lb/a	FallPPI	111.9 a
	MOP 0-0-62	62 GR		60 lb ai/a	97 lb/a	FallPPI	
	Urea 46-0-0	46 GR		13 lb ai/a	28.3 lb/a	FallPPI	
	Urea 46-0-0	46 GR		100 lb ai/a	217 lb/a	GRNUP	
4	MAP 11-52-0	52 GR		60 lb ai/a	115 lb/a	FallPPI	111.0 a
	Aspire	58 GR		60 lb ai/a	103 lb/a	FallPPI	
	Urea 46-0-0	46 GR		13 lb ai/a	28.3 lb/a	FallPPI	
	Urea 46-0-0	46 GR		100 lb ai/a	217 lb/a	GRNUP	
5	MES10	40 GR		60 lb ai/a	150 lb/a	FallPPI	106.1 a
	Urea 46-0-0	46 GR		7.8 lb ai/a	17 lb/a	FallPPI	
	Urea 46-0-0	46 GR		100 lb ai/a	217 lb/a	GRNUP	
6	MES10	40 GR		60 lb ai/a	150 lb/a	FallPPI	109.1 a
	MOP 0-0-62	62 GR		60 lb ai/a	97 lb/a	FallPPI	
	Urea 46-0-0	46 GR		7.8 lb ai/a	17 lb/a	FallPPI	
	Urea 46-0-0	46 GR		100 lb ai/a	217 lb/a	GRNUP	
7	MES10	40 GR		60 lb ai/a	150 lb/a	FallPPI	106.2 a
	Aspire	58 GR		60 lb ai/a	103 lb/a	FallPPI	
	Urea 46-0-0	46 GR		7.8 lb ai/a	17 lb/a	FallPPI	
	Urea 46-0-0	46 GR		100 lb ai/a	217 lb/a	GRNUP	
8	MESZ	40 GR		60 lb ai/a	150 lb/a	FallPPI	104.4 a
	Urea 46-0-0	46 GR		7.8 lb ai/a	17 lb/a	FallPPI	
	Urea 46-0-0	46 GR		100 lb ai/a	217 lb/a	GRNUP	
9	MAP 11-52-0	52 GR		60 lb ai/a	115 lb/a	FallPPI	107.7 a
	AS (21-0-0-24S)	24 GR		15 lb ai/a	62.5 lb/a	FallPPI	
	Urea 46-0-0	46 GR		100 lb ai/a	217 lb/a	GRNUP	
10	MAP 11-52-0	52 GR		60 lb ai/a	115 lb/a	FallPPI	110.7 a
	K-Mag (22S)	22 GR		15 lb ai/a	68 lb/a	FallPPI	
	Urea 46-0-0	46 GR		13 lb ai/a	28.3 lb/a	FallPPI	
	Urea 46-0-0	46 GR		100 lb ai/a	217 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.
 Missing data estimates are included in columns: Yates=4

MSU Soil Fertility Research Program
 RESPONSE OF WINTER WHEAT TO FALL APPLIED PHOSPHORUS BASED FERTILIZERES
 Trial ID: WHT05-18.19 Location: CAMPUS Trial Year: 2018
 Investigator: Kurt Steinke
 Project ID: MOMESTEN

Crop Code	TRZAW
Crop Name	Winter wheat
Crop Variety	Starburst
Description	Yield
Rating Date	Jul-23-2019
Rating Type	YIELD
Rating Unit	bu/ac
Crop Stage Scale	HARVEST
ARM Action Codes	ET11 TY1
Number of Decimals	1
Trt Treatment No. Name	Form Form Rate Other Other Growth Conc Type Rate Unit Rate Rate Unit Stage
11 CHECK	4
LSD P=.05	62.6
Standard Deviation	6.70
CV	4.58
Replicate F	4.25
Replicate Prob(F)	4.621
Treatment F	0.0113
Treatment Prob(F)	1.806
	0.1217

Crop Code
 TRZAW, BCER, Triticum aestivum, Winter wheat = US
Rating Type
 YIELD = yield
Rating Unit
 bu/ac = bushels per acre
ARM Action Codes
 ET11 = Excluded treatment 11
 TY1 = $6.914286 * [1] * (100 - [2]) / 86.5$

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.
 Missing data estimates are included in columns: Yates=4