

MSU Soil Fertility Research Program

DEVELOPING NITROGEN RATE AND TIMING STRATEGIES TO IMPROVE SOFT RED WINTER WHEAT PRODUCTION, 2012-13.

Trial ID: WHT01-12.13 Location: INGHAM CO, DIETZ FARM Trial Year: 2013
 Protocol ID: WHT01-12.13 Investigator: Kurt Steinke
 Project ID: Study Director: Andy Chomas
 Sponsor Contact: Dr. Kurt Steinke

Crop Code						TRZAW
Crop Name						Winter wheat
Crop Variety						Red Ruby
Description						
Rating Date						Jul-18-2013
Rating Type						YIELD
Rating Unit						BU
Crop Stage Scale						
ARM Action Codes						ER2 TY1
Number of Decimals						1
Trt No.	Treatment Name	Rate	Other Rate	Other Rate Unit	Growth Stage	Appl Code
		Rate Unit	Rate	Rate Unit		
						20
3	Urea 46-0-0	90 lb ai/a	196 lb/a		Grnp B	88.8 a
	Urea 46-0-0	16 lb ai/a	34.8 lb/a		FALL A	
4	Urea 46-0-0	135 lb ai/a	293 lb/a		Grnp B	98.2 a
	Urea 46-0-0	16 lb ai/a	34.8 lb/a		FALL A	
5	Urea 46-0-0	180 lb ai/a	390 lb/a		Grnp B	87.2 a
	Urea 46-0-0	16 lb ai/a	34.8 lb/a		FALL A	
6	Urea 46-0-0	45 lb ai/a	98 lb/a		Grnp B	90.6 a
	28 % Nitrogen	45 lb ai/a	15 gal/a		FKS 5 C	
	Urea 46-0-0	16 lb ai/a	34.8 lb/a		FALL A	
7	Urea 46-0-0	90 lb ai/a	196 lb/a		Grnp B	97.5 a
	28 % Nitrogen	45 lb ai/a	15 gal/a		FKS 5 C	
	Urea 46-0-0	16 lb ai/a	34.8 lb/a		FALL A	
8	Urea 46-0-0	135 lb ai/a	293 lb/a		Grnp B	101.3 a
	28 % Nitrogen	45 lb ai/a	15 gal/a		FKS 5 C	
	Urea 46-0-0	16 lb ai/a	34.8 lb/a		FALL A	
LSD (P=.05)						14.25
Standard Deviation						7.57
CV						8.06
Bartlett's X2						9.557
P(Bartlett's X2)						0.089
Skewness						-1.1105
Kurtosis						0.7747

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

Rating Type
 YIELD = yield

Rating Unit
 BU = bushel

ARM Action Codes
 ER2 = Excluded replicate 2
 TY1 = 12.1*[C19]*(100-[C17])/86.5

Means followed by same letter 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=20
 Excluded replicate 2 in column 20