

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	Growth Stage	Appl Code
		Rate Unit	Rate	Rate	Unit	
3	Urea 46-0-0	90 lb ai/a	196 lb/a		Grnup 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		Grnup B	98.2 a
	Urea 46-0-0	16 lb ai/a	34.8 lb/a		FALL A	
9	90 lbs Total N				A	84.6 a
	AS (21%N+24% S)	10 lb ai/a	41.7 lb/a		Grnup B	
	Urea 46-0-0	72 lb ai/a	157 lb/a		Grnup B	
	Urea 46-0-0	7 lb ai/a	15 lb/a		FALL A	
	AS (21%N+24% S)	10 lb ai/a	41.7 lb/a		FALL A	
10	135 lbs Total N				A	90.9 a
	AS (21%N+24% S)	10 lb ai/a	41.7 lb/a		Grnup B	
	Urea 46-0-0	126 lb ai/a	274 lb/a		Grnup B	
	Urea 46-0-0	7 lb ai/a	15 lb/a		FALL A	
	AS (21%N+24% S)	10 lb ai/a	41.7 lb/a		FALL A	
11	90 lbs Total N				B	90.7 a
	AS (21%N+24% S)	20 lb ai/a	83 lb/a		Grnup B	
	Urea 46-0-0	73 lb ai/a	159 lb/a		Grnup B	
	Urea 46-0-0	16 lb ai/a	34.8 lb/a		FALL A	
LSD (P=.05)						8.64
Standard Deviation						4.47
CV						4.94
Bartlett's X2						5.039
P(Bartlett's X2)						0.283
Skewness						0.6846
Kurtosis						-0.7036

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