

MSU Soil Fertility Research Program

EVALUATION OF PLANTTUFF FERTILIZER ON WHEAT

Trial ID: WHT06-14.15 Location: CAMPUS Trial Year: 2014
 Investigator: Kurt Steinke
 Project ID: PLANTTUFF

Crop Code Crop Name Crop Variety Description Rating Date Rating Type Rating Unit Crop Stage Scale ARM Action Codes							TRZAW Winter wheat Red Dragon yield Jul-16-2015 YIELD BU HARVEST TY1	
Trt No.	Treatment Name	Form Conc	Form Type	Rate Unit	Other Rate	Other Unit	Growth Stage	21
1	PlantTuff Urea 46-0-0	GR 46	GR	1000 lb/a 90 lb ai/a	1000 lb/a 90 lb ai/a		FALL GRNUP	83.0 a
2	PlantTuff Urea 46-0-0	GR 46	GR	2000 lb/a 90 lb ai/a	2000 lb/a 90 lb ai/a		FALL GRNUP	93.0 a
3	PlantTuff Urea 46-0-0	GR 46	GR	4000 lb/a 90 lb ai/a	4000 lb/a 90 lb ai/a		FALL GRNUP	99.4 a
4	Ag Lime Urea 46-0-0	GR 46	GR	1000 lb/a 90 lb ai/a	1000 lb/a 90 lb ai/a		FALL GRNUP	98.4 a
5	Ag Lime Urea 46-0-0	GR 46	GR	2000 lb/a 90 lb ai/a	2000 lb/a 90 lb ai/a		FALL GRNUP	100.0 a
6	Ag Lime Urea 46-0-0	GR 46	GR	4000 lb/a 90 lb ai/a	4000 lb/a 90 lb ai/a		FALL GRNUP	102.0 a
7	PlantTuff Urea 46-0-0	GR 46	GR	1000 lb/a 90 lb ai/a	1000 lb/a 90 lb ai/a		SPRING GRNUP	87.7 a
8	PlantTuff Urea 46-0-0	GR 46	GR	2000 lb/a 90 lb ai/a	2000 lb/a 90 lb ai/a		SPRING GRNUP	91.0 a
9	PlantTuff Urea 46-0-0	GR 46	GR	4000 lb/a 90 lb ai/a	4000 lb/a 90 lb ai/a		SPRING GRNUP	88.4 a
10	Ag Lime Urea 46-0-0	GR 46	GR	1000 lb/a 90 lb ai/a	1000 lb/a 90 lb ai/a		SPRING GRNUP	98.8 a
11	Ag Lime Urea 46-0-0	GR 46	GR	2000 lb/a 90 lb ai/a	2000 lb/a 90 lb ai/a		SPRING GRNUP	106.3 a
12	Ag Lime Urea 46-0-0	GR 46	GR	4000 lb/a 90 lb ai/a	4000 lb/a 90 lb ai/a		SPRING GRNUP	111.0 a
13	Untreated Check Urea 46-0-0	GR 46	GR	90 lb ai/a	90 lb ai/a		GRNUP	91.0 a
LSD P=.10							15.50	
Standard Deviation							12.91	
CV							13.43	
Bartlett's X2							7.412	
P(Bartlett's X2)							0.829	
Skewness							-0.0826	
Kurtosis							-0.7284	

Means followed by same letter do not significantly differ (P=.10, LSD)
 Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.
 Missing data estimates are included in columns: Average=21

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Randomized Complete Block (RCB) AOV For TRZAW Winter wheat Red Dragon yield Jul-16-2015 YIELD BU HARVEST TY1 (Data Column 21)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	45	8189.378638			
Replicate	3	139.580928	46.526976	0.279	0.8401
Treatment	12	3047.143054	253.928588	1.523	0.1704
Error	30	5002.654657	166.755155		

Crop Code

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

Rating Type

YIELD = yield

Rating Unit

BU = bushel

ARM Action Codes

TY1 = $8.642858 * [20] * (100 - @MVAVGREP([18])) / 86.5$