

MSU Soil Fertility Research Program
 RESPONSE OF WINTER WHEAT TO AMO AND AT VARIED RATES OF NITROGEN
 Trial ID: WHT15-16.17 Location: SVREC Trial Year: 2017
 Investigator: Kurt Steinke

Project ID: AMMO

Crop Code Crop Name							TRZAW Winter wheat	
Description Rating Date Rating Type Rating Unit ARM Action Codes Number of Decimals							bu/ac Jul-17-2017 YIELD BU TY1 0	
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Other Rate	Other Rate Unit	Growth Stage	
								4
1	0% of 120 baseN CHECK no Fert AmA=OT						GRNUP GRNUP GRNUP	57 c
2	50% N Urea 46-0-0	46	GR	60 lb ai/a	130 lb/a		GRNUP GRNUP	72 bc
3	75% N Urea 46-0-0	46	GR	90 lb ai/a	196 lb/a		GRNUP GRNUP	86 ab
4	100% N Urea 46-0-0	46	GR	120 lb ai/a	260 lb/a		GRNUP GRNUP	80 abc
5	125% N Urea 46-0-0	46	GR	150 lb ai/a	326 lb/a		GRNUP GRNUP	71 bc
6	100% N AMO-AAA	25	GR	120 lb ai/a	480 lb/a		GRNUP GRNUP	103 a
7	75% N AMO-AAA	25	GR	90 lb ai/a	360 lb/a		GRNUP GRNUP	92 ab
8	100% N AMO-BBB	25	GR	120 lb ai/a	480 lb/a		GRNUP GRNUP	99 a
9	75% N AMO-BBB	25	GR	90 lb ai/a	360 lb/a		GRNUP GRNUP	92 ab
10	50/50 N 100% AMO-AAA Urea 46-0-0	25 46	GR GR	60 lb ai/a 60 lb ai/a	240 lb/a 130 lb/a		GRNUP GRNUP GRNUP	93 ab
11	50/50 N 75% AMO-AAA Urea 46-0-0	25 46	GR GR	45 lb ai/a 45 lb ai/a	180 lb/a 98 lb/a		GRNUP GRNUP GRNUP	83 ab
12	50/50 N 100% AMO-BBB Urea 46-0-0	25 46	GR GR	60 lb ai/a 60 lb ai/a	240 lb/a 130 lb/a		GRNUP GRNUP GRNUP	71 bc

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								
Description	bu/ac								
Rating Date	Jul-17-2017								
Rating Type	YIELD								
Rating Unit	BU								
ARM Action Codes	TY1								
Number of Decimals	0								
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Other Rate	Other Rate	Growth Unit Stage		
13	50/50 N 75% AMO-BBB Urea 46-0-0	25	GR	45 lb ai/a	45 lb ai/a	180 lb/a	98 lb/a	GRNUP GRNUP GRNUP	4 88 ab
LSD P=.05							26.2		
Standard Deviation							18.3		
CV							21.9		
Replicate F							3.361		
Replicate Prob(F)							0.0292		
Treatment F							2.066		
Treatment Prob(F)							0.0462		

Crop Code
 TRZAW, BCER, Triticum aestivum, Winter wheat = US
Rating Type
 YIELD = yield
Rating Unit
 BU = bushel
ARM Action Codes
 TY1 = $9.219048 * [1] * (100 - [2]) / 86.5$

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