

MSU Soil Fertility Research Program

RESPONSE OF WHITE WINTER WHEAT TO VARIOUS RATES OF NITROGEN, SVRF

Trial ID: WHT12-15.16 Location: SVRF Trial Year: 2015

Investigator: Kurt Steinke

Project ID: SVRF NITROGEN

| | | | | | | | | |
|--------------------|----------------|-----------|-----------|----------------|------------|-----------------|--------------|---------|
| Crop Code | TRZAW | | | | | | | |
| Crop Name | Winter wheat | | | | | | | |
| Crop Variety | Jupiter | | | | | | | |
| Description | Yield | | | | | | | |
| Rating Date | Jul-11-2016 | | | | | | | |
| Rating Type | HARVEST | | | | | | | |
| Rating Unit | BU | | | | | | | |
| Trt No. | Treatment Name | Form Conc | Form Type | Rate Rate Unit | Other Rate | Other Rate Unit | Growth Stage | |
| | | | | | | | | 9 |
| 1 | Check | | | | | | | 66.5 c |
| 2 | 28% Nitrogen | 3 | AL | 40 lb ai/a | 13.3 gal/a | | GRNUP | 79.4 b |
| 3 | 28% Nitrogen | 3 | AL | 80 lb ai/a | 26.7 gal/a | | GRNUP | 94.4 a |
| 4 | 28% Nitrogen | 3 | AL | 120 lb ai/a | 40 gal/a | | GRNUP | 98.6 a |
| 5 | 28% Nitrogen | 3 | AL | 160 lb ai/a | 53.3 gal/a | | GRNUP | 101.3 a |
| 6 | 28% Nitrogen | 3 | AL | 200 lb ai/a | 67 gal/a | | GRNUP | 98.7 a |
| LSD P=.05 | | | | | | | | 7.71 |
| Standard Deviation | | | | | | | | 5.11 |
| CV | | | | | | | | 5.69 |
| Replicate F | | | | | | | | 20.543 |
| Replicate Prob(F) | | | | | | | | 0.0001 |
| Treatment F | | | | | | | | 29.381 |
| Treatment Prob(F) | | | | | | | | 0.0001 |

Crop Code

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

Rating Unit

BU = bushel

ARM Action Codes

$$TY1 = 9.219048 * [C6] * (100 - [C7]) / 86.5$$

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.