

2018 Wheat Variety Strip Plot - Herman

Cooperator: Ruwe Farms, Aaron Ruwe



| Plot Number | Brand - Variety | Raw Harvest Weight (Pounds) | Check Adjusted Yield (bu/ac)* | Moisture (%) | Test Weight (pounds) | Protein (%) |
|-------------|---------------------------------|-----------------------------|-------------------------------|--------------|----------------------|-------------|
| 101 | AgriPro - SY Wolf (Check) | 2690 | 73.5 | 10.7 | 62.4 | 12.3 |
| 102 | WestBred - WB4269 | 2655 | 70.9 | 10.1 | 60.8 | 11.7 |
| 103 | WestBred - WB-Cedar | 2825 | 75.1 | 10.5 | 59.1 | 11.6 |
| 104 | AgriPro - SY Wolf (Check) | 2665 | 72.8 | 10.7 | 62.2 | 12.1 |
| 105 | WestBred - WB4458 | 2615 | 70.7 | 10.3 | 60.8 | 12.5 |
| 106 | WestBred - WB4303 | 2610 | 71.0 | 9.9 | 60.4 | 12.4 |
| 107 | AgriPro - SY Wolf (Check) | 2600 | 71.1 | 10.6 | 61.7 | 12.3 |
| 108 | Kansas Wheat Alliance - Zenda | 2425 | 68.3 | 10.5 | 61.1 | 12.6 |
| 109 | Husker Genetics - Ruth | 2345 | 66.3 | 10.2 | 59.5 | 12.0 |
| 110 | SY Wolf/Commence Seed Treatment | 2405 | 67.3 | 11.1 | 60.5 | 12.8 |
| 111 | AgriPro - SY Wolf (Check) | 2470 | 66.8 | 11.6 | 61.8 | 12.9 |
| | | Plot Average | 70.3 | 10.5 | 60.9 | 12.3 |
| | | <i>Check Ave.</i> | <i>71.0</i> | <i>10.9</i> | <i>62.0</i> | <i>12.4</i> |

*Yield adjusted to 13.5% moisture & check variety: Multiplied by check average/two nearby check average.

Strip plot results best used in combination with UNL Crop Variety Testing Program located at cropwatch.unl.edu/varietytest. Results from this plot are available at croptechcafe.org

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| Field and Management Information |
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Soil Series: Nora silt loam 6-11% slope and Moody silty clay loam 2-6% slope

Soil Sample (0-6"): pH 5.3; OM 3.3%; P 49 ppm; K 124 ppm; Zn 1.2 ppm

Tillage System and Previous Crop: No-till after soybeans

Planting Date: October 18, 2017

Drill: Case IH 5400 w/yetter no-till cart, rear harrow, 8" spacing, 22 rows, 1.5" seeding depth

Planting Rate: Each variety adjusted for germ, purity, seed size for target of 1.2 million seeds/ac

Seed: All seed certified and treated. Commence treatment from AgNition on Wolf, plot 110.

Plot Size: Each variety seeded one round, 29 foot wide by 1,100' long, each 0.73 acres

Fertilizer: 110 lbs N, 52 lbs P205, 38 lbs K20, 10 lbs S, 28 lbs Cl, and Ag Lime

Herbicide: None

Fungicide: Prosaro at Feekes 10.5.1 (flowering), June 1

Harvest Date: July 11, 2018. Middle 25 feet of plot harvested

Disease Pressure: Fusarium head blight low incidence and low severity, leaf rust high incidence and low severity, bacterial leaf streak moderate incidence and moderate severity

Local Weather: Delayed planting due to wet soil conditions and dry November impacted early growth. Colder than average winter temperatures and record cold April delayed maturity compared to normal. Warmer than average May and June brought maturity back close to normal. Wet weather from end of May through early July

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| Special Thanks |
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Cooperator Aaron Ruwe and WestBred Representative Andrew Blubaugh for supplying plot seed

Email Nathan Mueller, Extension Educator, for more information at nathan.mueller@unl.edu