

NDSU Hettinger Research Extension Center

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| HRSW Fungicide - 2022 | Hettinger, ND |
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| Treatment | Days to Head | Plant Height | Plant Lodge | Test Weight | Grain Protein | Grain Yield |
|--|------------------|-----------------|------------------|----------------|------------------|----------------|
| | DAP ¹ | inches | 0-9 ² | lbs/bu | % | bu/ac |
| <i>Variety</i> | | | | | | |
| ND VitPro | 61 | 22 | 0 | 59.5 | 15.4 | 34.9 |
| SY Valda | 62 | 22 | 0 | 59.1 | 15.1 | 35.6 |
| Shelly | 63 | 25 | 0 | 59.5 | 14.5 | 36.1 |
| LSD 5% | NS | NS | -- | 0.3 | 0.1 | 0.9 |
| <i>Fungicide</i> | | | | | | |
| CONTROL | 62 | 23 | 0 | 59.1 | 15.0 | 34.4 |
| TILT Feekes 2-3 | 62 | 23 | 0 | 59.3 | 14.9 | 35.3 |
| PROSARO Feekes 10.51 | 62 | 23 | 0 | 59.5 | 15.1 | 36.4 |
| TILT Feeks 2-3 + PROSARO Feeks 10.51 | 62 | 23 | 0 | 59.4 | 15.1 | 36.2 |
| LSD 5% | NS | NS | -- | NS | NS | 1.1 |
| <i>Variety x Fungicide</i> | | | | | | |
| ND Vitpro | | | | | | |
| CONTROL | 61 | 22 | 0 | 59.3 | 15.6 | 34.0 |
| TILT Feekes 2-3 | 61 | 22 | 0 | 59.7 | 15.5 | 35.4 |
| PROSARO Feekes 10.51 | 61 | 22 | 0 | 59.6 | 15.2 | 35.6 |
| TILT Feekes 2-3 + PROSARO Feekes 10.51 | 61 | 23 | 0 | 59.5 | 15.4 | 34.6 |
| SY Valda | | | | | | |
| CONTROL | 62 | 21 | 0 | 58.8 | 15.0 | 34.6 |
| TILT Feekes 2-3 | 62 | 22 | 0 | 59.3 | 14.9 | 35.7 |
| PROSARO Feekes 10.51 | 62 | 23 | 0 | 59.3 | 15.2 | 37.2 |
| TILT Feekes 2-3 + PROSARO Feekes 10.51 | 62 | 22 | 0 | 59.0 | 15.3 | 37.0 |
| Shelly | | | | | | |
| CONTROL | 63 | 25 | 0 | 59.4 | 14.5 | 34.6 |
| TILT Feekes 2-3 | 63 | 25 | 0 | 59.1 | 14.8 | 34.7 |
| PROSARO Feekes 10.51 | 63 | 25 | 0 | 59.7 | 14.4 | 36.2 |
| TILT Feekes 2-3 + PROSARO Feekes 10.51 | 63 | 25 | 0 | 59.8 | 14.5 | 36.9 |
| LSD 5% | NS | NS | -- | NS | 0.3 | NS |
| Average | 62.0 | 23.0 | 0.0 | 59.3 | 15.0 | 35.6 |
| CV | 0.3 | 2.7 | -- | 0.8 | 1.5 | 4.4 |

¹ Days to Head = the number of days from planting to head emergence from the boot.

² 0 = no lodging, 9 = 100% lodged.

Planting Date: April 11

Harvest Date: August 15

Feeks 2-3 Application: June 3

Feeks 10.51 Application: July 1