K-State Wheat Variety Demonstration Plots
Sherman County
Plot Location: 9 miles north of Goodland
Cooperator: F&J Farms

| Variety | | | Yield bu/ac | Test Weight lb/bu | Moisture % | Protein % |
|---|---|---|---|---|---|---|
| AG Golden | | Agseco | 95.2 | 53.9 | 11.2 | 13.6 |
| KS Hamilton | | K-State | 94.7 | 57.6 | 11.2 | 13.8 |
| TAM 114 | | Agseco | 94.5 | 59.9 | 11.3 | 13.7 |
| KS Silverado | white | K-State | 94.2 | 60.0 | 10.2 | 13.8 |
| LCS Valiant | | Limagrain | 94.1 | 58.8 | 11.6 | 13.6 |
| KS Dallas | | K-State | 93.6 | 55.7 | 10.8 | 13.8 |
| Canvas | | Colorado State | 93.6 | 55.6 | 12.0 | 13.7 |
| Langin | | Colorado State | 91.3 | 54.9 | 11.9 | 13.8 |
| CP 7909 | | Croplan | 91.1 | 58.1 | 11.0 | 13.7 |
| LCS Revere | | Limagrain | 90.9 | 59.6 | 11.3 | 13.6 |
| KS Western Star | | K-State | 90.8 | 58.3 | 11.3 | 13.5 |
| Byrd | | Colorado State | 90.5 | 53.9 | 12.5 | 14.8 |
| Byrd CL+ | Clearfield | Colorado State | 90.4 | 53.4 | 12.6 | 14.0 |
| Kivari AX | CoAxium | Colorado State | 89.6 | 51.3 | 12.1 | 13.8 |
| LCS Julep | | Limagrain | 89.2 | 56.8 | 11.3 | 14.4 |
| WB 4462 | | WestBred | 87.9 | 54.0 | 11.9 | 15.2 |
| Tatanka | | K-State | 87.6 | 58.7 | 11.2 | 13.3 |
| Larry | | K-State | 85.6 | 55.6 | 11.1 | 14.6 |
| WB Grainfield | | WestBred | 84.0 | 53.3 | 12.7 | 14.5 |
| Whistler | | Colorado State | 83.5 | 53.9 | 11.5 | 15.4 |
| LCS Diesel | | Limagrain | 78.9 | 53.1 | 11.6 | 15.3 |
| Avery | | Colorado State | 77.4 | 53.0 | 12.1 | 14.4 |
| WB 4792 | | WestBred | 73.3 | 52.4 | 11.6 | 14.9 |
| LCS Chrome | | Limagrain | 72.0 | 52.4 | 11.8 | 14.3 |
| TAM 115 | | Agseco | 70.6 | 52.3 | 11.7 | 14.8 |
| Guardian | | Colorado State | 67.3 | 52.3 | 11.7 | 14.8 |
| Average | | | 86.6 | 55.3 | 11.6 | 14.2 |

Drilled: September 24, 2020
into moisture
at 75 lb/ac

Fertility: Starter at 15 lb N+50 lb P+0.64 lb K+2 lb Zn
Streaming at 60 lb N
Topdressing at 10 lb N+6 lb S+2 lb Zn

Herbicide: no herbicide application

Fungicide: at topdress time - 3 oz/ac Lucento
for stripe rust - Monsoon (trebuconazol)+Satori (azoxystrobin like quadris)+surfactant

Harvested: July 13, 2021

AX = CoAxium variety, can be treated with Aggressor herbicide
CL = Clearfield variety, can be treated with Beyond herbicide
CL+ = 2 gene Clearfield variety, can be treated with higher rates of Beyond herbicide
SF = varieties with a semi-solid stem

**Overview of the plot:**
- Wheat emerged fairly evenly. However, dry conditions limited fall tillering
- Moisture in late winter and early spring, along with fertility, promoted sping tillering
- Rainfall in the spring and early summer built soil profile moisture. This helped with even heading and plant height
- Hot conditions and wind in mid-June stressed the wheat at grain fill
- Some lodging was present at harvest

This data is from demonstration plots. It should be used with replicated performance test data for vareity selection. Syngenta/AgriPro vareity yields are not included in these results, per AgriPro's request.

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