Wheat Update 2019

ARKANSAS WHEAT PERFORMANCE TRIALS AND VARIETY SELECTION DR. JASON P. KELLEY

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Wheat performance trials were conducted during the 2018-2019 growing season by the Arkansas Wheat Variety Testing Program under the direction of Dr. Esten Mason to provide information about yield potential, agronomic characteristics, and disease reaction of commercially available and experimental lines/varieties of wheat. Variety selection is very important for successful and profitable wheat production. This publication is a summary of the Arkansas Wheat Variety Testing Program results from only commercially available varieties with 2 or more years of data and is designed to help producers select adapted, high-yielding, and disease-resistant varieties.



FIGURE 1. LOCATIONS OF ARKANSAS WHEAT PERFORMANCE TESTS

- 1 Northeast Research and Extension Center, Keiser - Sharkey Silty Clay
- 2 Lon Mann Cotton Research Station, Marianna - Loring Silt Loam
- 3 Southwest Research and Extension Center, Hope - Clay Silt Loam
- 4 Vegetable Substation, Kibler Roxanna Silt Loam
- 5 Newport Extension Center -Beulah Fine Sandy Loam
- 6 Southeast Branch Station, Rohwer Herbert Silt Loam

Methods

Wheat varieties and experimental lines were entered by seed companies and public institutions and evaluated for an unbiased comparison of their performance. In general, recommended cultural practices for wheat production in Arkansas were used. All locations were planted between October 24 and November 29 into conventionally tilled seedbeds using small plot planters.

Each trial consisted of 96 varieties and experimental lines replicated four times in a randomized complete block design. A seeding rate of 105 lb/A was used for all varieties at each location. Recommended production practices were followed and pests were controlled as needed. Plots were harvested with a small plot combine to determine yields, which were adjusted to 13 percent moisture.

For further details concerning methods and results, consult the Small-Grain Cultivar Performance Tests 2018-19, Arkansas Agricultural Experiment Station, located at: https://aaes.uark.edu/variety-testing/

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Entry Name All Trials* Hope Kible* Keiser** Marianna Newport Rohwer** Armor Mayhem 73.4 64.0 78.9 66.3 77.3 77.3 75.9	Table 1. Arkansas W	Table 1. Arkansas Wheat Performance Trials Summary of Commercially Available Varieties, 2018-2019.						19.
Armor Mayhem 73.4 64.0 78.9 60.3 77.3 73.3 75.9 Dixie Brown 73.0 65.4 79.6 62.4 72.9 74.0 80.6 Proneer 26R59 72.6 62.0 79.0 59.6 74.9 74.3 77.2 AgriMAXX 473 72.2 66.9 80.3 62.6 73.2 68.5 83.3 Progeny #WARRIOR 72.0 66.8 72.7 64.2 78.1 70.4 70.7 Delta Grow 1000 71.8 65.6 79.2 63.0 74.2 68.2 82.1 Dyna-Gro 9701 71.8 66.0 75.6 59.2 75.0 70.4 82.5 Croplan CR8550 71.6 63.6 80.1 74.3 68.5 USG 3536 71.1 61.9 76.2 59.3 78.1 68.3 80.9 Go Wheat 2058 70.0 66.8 75.0 65.0 68.1 70.1 68.6 Proper #BULLET 69.5 59.6 75.6 63.4 72.4 70.4 79.3 Progeny #BULLET 69.5 59.6 75.6 63.4 72.4 70.4 79.3 Progeny #BULLET 69.5 59.0 76.4 62.7 77.8 64.3 USG 3329 68.5 68.5 71.0 78.3 64.5 74.4 69.9 64.4 Sy Viper 67.5 60.0 71.5 56.8 74.4 69.9 64.4 72.5 AGS 2024 66.9 70.4 68.4 53.0 75.7 64.5 20.8 AGS 2025 65.6 66.5 66.5 64.5 63.8 66.7 64.0 80.2 AGS 2038 65.8 70.2 60.3 47.8 66.7 64.0 80.2 AGS 2038 65.8 70.2 60.3 47.8 66.7 64.0 80.2 AGS 2038 65.8 70.2 60.3 47.8 66.3 66.7 64.0 80.2 AGS 2038 65.8 70.2 60.3 47.8 66.8 66.7 64.0 80.2 AGS 2038 65.8 70.2 60.3 47.8 66.8 66.7 64.0 80.2 AGS 2038 65.8 70.2 60.3 47.8 66.8 66.7 64.0 80.2 AGS 2038 65.8 70.2 60.3 47.8 66.8 66.7 64.0 80.2 AGS 2038 65.8 70.2 60.3 47.8 66.8 66.7 64.0 80.2 AGS 2038 65.8 70.2 60.3 47.8 66.8 66.7 64.7 83.9 Dyna-Gro 9811 65.3 61.1 69.6 62.2 66.3 64.2 Progeny #TURBO 65.2 49.1 62.8 55.5 70.6 58.8 73.0 58.3 Dyna-Gro 9811 65.3 61.1 69.6 62.2 66.3 64.2 Progeny #TURBO 65.2 49.1 62.8 55.5 70.6 76.1 59.3 58.3 Dixie Bentley 63.9 68.0 65.9 57.0 50.8 71.0 85.4 Progeny #TURBO 65.2 49.1 62.8 55.5 70.6 66.1 8 Frogeny #TURBO 65.2 58.8 61.8 53.2 66.2 61.8 Frogeny #TURY 62.2 58.8 61.8 53.2 66.2 61.8 Frogeny #FURY 62.2 58.								
Dixie Brown 73.0 65.4 79.6 62.4 72.9 74.0 80.6 Pioneer 26R59 72.6 62.0 79.0 59.6 74.9 74.3 77.2 AgriMAXX 473 72.2 66.9 80.3 62.6 73.2 68.5 83.3 Progeny #WARRIOR 72.0 66.8 72.7 64.2 78.1 70.4 70.7 Delta Grow 1000 71.8 65.6 79.2 63.0 74.2 68.2 82.1 Dyna-Gro 9701 71.8 66.0 75.6 59.2 75.0 70.4 82.5 Croplan CR9550 71.6 63.6 80.1 74.3 68.5 USG 3536 71.1 61.9 76.2 59.3 78.1 68.3 80.9 Go Wheat 2058 70.0 66.8 75.0 65.0 68.1 70.1 68.6 Pioneer 26R41 69.9 63.4 78.9 63.3 71.5 65.8 81.5	Entry Name	All Trials*	Норе	Kibler	Keiser**	Marianna	Newport	Rohwer**
Pioneer 26R59 72.6 62.0 79.0 59.6 74.9 74.3 77.2 AgriMAXX 473 72.2 66.9 80.3 62.6 73.2 68.5 83.3 Progeny #WARRIOR 72.0 66.8 72.7 66.2 78.1 70.4 70.7 Delta Grow 1000 71.8 66.0 75.6 59.2 75.0 70.4 82.5 Croplan CP8550 71.6 63.6 80.1 74.3 68.5 USG 3536 71.1 61.9 76.2 59.3 78.1 68.3 80.9 Go Wheat 2058 70.0 66.8 75.0 65.0 68.1 70.1 68.6 Pioneer 26R41 69.9 63.4 78.9 63.3 71.5 65.8 81.8 Hilliard 69.8 67.7 73.0 62.1 70.8 67.7 85.5 Progeny #BULLET 69.5 59.6 75.6 63.4 72.4 70.4 79.3	Armor Mayhem	73.4	64.0	78.9	60.3	77.3	73.3	75.9
AgriMAXX 473 72.2 66.9 80.3 62.6 73.2 68.5 83.3 Progeny #WARRIOR 72.0 66.8 72.7 64.2 78.1 70.4 70.7 Delta Grow 1000 71.8 65.6 79.2 63.0 74.2 68.2 82.1 Dyna-Gro 9701 71.8 66.0 75.6 59.2 75.0 70.4 82.5 Croplan CP8550 71.6 63.6 80.1 74.3 68.5 USG 3536 71.1 61.9 76.2 59.3 78.1 68.3 80.9 Go Wheat 2058 70.0 66.8 75.0 65.0 68.1 70.1 68.6 Pioneer 26R41 69.9 63.4 78.9 63.3 71.5 65.8 81.8 Hilliard 69.8 67.7 73.0 62.1 70.8 67.7 85.5 Progeny #BULLET 69.5 59.6 75.6 63.4 72.4 70.4 79.3	Dixie Brown	73.0	65.4	79.6	62.4	72.9	74.0	80.6
Progeny #WARRIOR 72.0 66.8 72.7 64.2 78.1 70.4 70.7 Delta Grow 1000 71.8 65.6 79.2 63.0 74.2 68.2 82.1 Dyna-Gro 9701 71.8 66.0 75.6 59.2 75.0 70.4 82.5 Croplan CP8550 71.6 63.6 80.1	Pioneer 26R59	72.6	62.0	79.0	59.6	74.9	74.3	77.2
Delta Grow 1000 71.8 65.6 79.2 63.0 74.2 68.2 82.1 Dyna-Gro 9701 71.8 66.0 75.6 59.2 75.0 70.4 82.5 Croplan CP8550 71.6 63.6 80.1 74.3 68.5 USG 3536 71.1 61.9 76.2 59.3 78.1 68.3 80.9 Go Wheat 2058 70.0 66.8 75.0 65.0 68.1 70.1 68.6 Pioneer 26R41 69.9 63.4 78.9 63.3 71.5 65.8 81.8 Hilliard 69.8 67.7 73.0 62.1 70.8 67.7 85.5 Progeny #BULLET 69.5 59.6 75.6 63.4 72.4 70.4 79.3 USG 3895 68.5 71.0 78.3 60.9 66.1 58.6 Progeny #BLAZE 68.4 62.6 75.0 52.6 67.6 68.2	AgriMAXX 473	72.2	66.9	80.3	62.6	73.2	68.5	83.3
Dyna-Gro 9701 71.8 66.0 75.6 59.2 75.0 70.4 82.5 Croplan CP8550 71.6 63.6 80.1 74.3 68.5 USG 3536 71.1 61.9 76.2 59.3 78.1 68.3 80.9 Go Wheat 2058 70.0 66.8 75.0 65.0 68.1 70.1 68.6 Pioneer 26R41 69.9 63.4 78.9 63.3 71.5 65.8 81.8 Hilliard 69.8 67.7 73.0 62.1 70.8 67.7 85.5 Progeny #BULLET 69.5 59.6 75.6 63.4 72.4 70.4 79.3 Pioneer 26R45 69.4 59.0 76.4 62.7 77.8 64.3 USG 33895 68.5 71.0 78.3 60.9 66.1 58.6 Progeny #BLAZE 68.4 62.6 75.0 52.6 67.6 68.2 <	Progeny #WARRIOR	72.0	66.8	72.7	64.2	78.1	70.4	70.7
Croplan CP8550 71.6 63.6 80.1 74.3 68.5 USG 3536 71.1 61.9 76.2 59.3 78.1 68.3 80.9 Go Wheat 2058 70.0 66.8 75.0 65.0 68.1 70.1 68.6 Pioneer 26R41 69.9 63.4 78.9 63.3 71.5 65.8 81.8 Hillilard 69.8 67.7 73.0 62.1 70.8 67.7 85.5 Progeny #BULLET 69.5 59.6 75.6 63.4 72.4 70.4 79.3 Pioneer 26R45 69.4 59.0 76.4 62.7 77.8 64.3 USG 3329 68.5 71.0 78.3 60.9 66.1 58.6 Progeny #BLAZE 68.4 62.6 75.0 52.6 67.6 68.2 SY Viper 67.5 60.0 71.5 56.8 73.9 64.4 SY V	Delta Grow 1000	71.8	65.6	79.2	63.0	74.2	68.2	82.1
USG 3536 71.1 61.9 76.2 59.3 78.1 68.3 80.9 Go Wheat 2058 70.0 66.8 75.0 65.0 68.1 70.1 68.6 Pioneer 26R41 69.9 63.4 78.9 63.3 71.5 65.8 81.8 Hilliard 69.8 67.7 73.0 62.1 70.8 67.7 85.5 Progeny #BULLET 69.5 59.6 75.6 63.4 72.4 70.4 79.3 Pioneer 26R45 69.4 59.0 76.4 62.7 77.8 64.3 USG 3895 68.5 71.0 78.3 60.9 66.1 58.6 Progeny #BLAZE 68.4 62.6 75.0 52.6 67.6 68.2 USG 3329 68.3 64.5 74.4 69.9 64.4 SY Viper 67.5 60.0 71.5 56.8 73.9 64.4 72.5 AGS 2024 </td <td>Dyna-Gro 9701</td> <td>71.8</td> <td>66.0</td> <td>75.6</td> <td>59.2</td> <td>75.0</td> <td>70.4</td> <td>82.5</td>	Dyna-Gro 9701	71.8	66.0	75.6	59.2	75.0	70.4	82.5
Go Wheat 2058 70.0 66.8 75.0 65.0 68.1 70.1 68.6 Pioneer 26R41 69.9 63.4 78.9 63.3 71.5 65.8 81.8 Hilliard 69.8 67.7 73.0 62.1 70.8 67.7 85.5 Progeny #BULLET 69.5 59.6 75.6 63.4 72.4 70.4 79.3 Pioneer 26R45 69.4 59.0 76.4 62.7 77.8 64.3 USG 3895 68.5 71.0 78.3 60.9 66.1 58.6 Progeny #BLAZE 68.4 62.6 75.0 52.6 67.6 68.2 USG 3329 68.3 64.5 74.4 69.9 64.4 SY Uper 67.5 60.0 71.5 56.8 73.9 64.4 72.5 AGS 2024 66.9 70.4 68.4 53.0 75.7 AgriMAXX 415	Croplan CP8550	71.6	63.6	80.1		74.3	68.5	
Pioneer 26R41 69.9 63.4 78.9 63.3 71.5 65.8 81.8 Hilliard 69.8 67.7 73.0 62.1 70.8 67.7 85.5 Progeny #BULLET 69.5 59.6 75.6 63.4 72.4 70.4 79.3 Pioneer 26R45 69.4 59.0 76.4 62.7 77.8 64.3 USG 3895 68.5 71.0 78.3 60.9 66.1 58.6 Progeny #BLAZE 68.4 62.6 75.0 52.6 67.6 68.2 Progeny #BLAZE 68.4 62.6 75.0 52.6 67.6 68.2 SY Viper 67.5 60.0 71.5 56.8 73.9 64.4 SY Viper 67.5 60.0 71.5 56.8 73.9 64.4 SY Viper 67.5 60.0 71.5 56.8 73.9 64.4 SY 547	USG 3536	71.1	61.9	76.2	59.3	78.1	68.3	80.9
Hilliard 69.8 67.7 73.0 62.1 70.8 67.7 85.5 Progeny #BULLET 69.5 59.6 75.6 63.4 72.4 70.4 79.3 Pioneer 26R45 69.4 59.0 76.4 62.7 77.8 64.3 USG 3895 68.5 71.0 78.3 60.9 66.1 58.6 Progeny #BLAZE 68.4 62.6 75.0 52.6 67.6 68.2 USG 3329 68.3 64.5 74.4 69.9 64.4 72.5 SY Viper 67.5 60.0 71.5 56.8 73.9 64.4 72.5 AGS 2024 66.9 70.4 68.4 53.0 75.7 7.5 SY 547 65.9 57.1 67.8 49.5 72.6 66.1 AGS 2038 65.8 70.2 60.3 47.8 68.7 64.0 80.2 AGS 2055 65.6 66.5 64.5 63.8 66.7 64.7 83.9 Dyna-Gro 9811 65.3 61.1 69.6 62.2 66.3 64.2 Progeny #TURBO 65.2 49.1 62.8 55.5 70.6 78.4 76.7 Pioneer 26R10 64.0 59.8 69.8 50.7 67.1 59.3 58.3 Dixie Bentley 63.9 68.0 65.9 57.0 50.8 71.0 85.4 Pioneer 26R36 63.5 59.3 72.0 54.5 67.9 54.8 85.4 Dixie Jones 62.6 60.1 70.4 51.0 63.3 56.7 73.9 AgriMAXX 475 62.4 61.4 73.4 52.5 63.0 51.8 76.2 Croplan CP9606 60.0 63.5 65.2 58.2 53.0 Delta Grow 3500 60.0 64.9 59.7 49.3 46.6 68.6 91.3 Dyna-Gro 9862 58.1 43.6 62.1 65.8 60.7 USG 3640 56.4 57.8 59.0 44.1 64.8	Go Wheat 2058	70.0	66.8	75.0	65.0	68.1	70.1	68.6
Progeny #BULLET 69.5 59.6 75.6 63.4 72.4 70.4 79.3 Pioneer 26R45 69.4 59.0 76.4 62.7 77.8 64.3 USG 3895 68.5 71.0 78.3 60.9 66.1 58.6 Progeny #BLAZE 68.4 62.6 75.0 52.6 67.6 68.2 USG 3329 68.3 64.5 74.4 69.9 64.4 SY Viper 67.5 60.0 71.5 56.8 73.9 64.4 72.5 AGS 2024 66.9 70.4 68.4 53.0 75.7 AgriMAXX 415 66.4 61.2 73.6 59.1 67.8 63.0 73.7 SY 547 65.9 57.1 67.8 49.5 72.6 66.1 AGS 2038 65.8 70.2 60.3 47.8 68.7 64.0 80.2 AGS 2055	Pioneer 26R41	69.9	63.4	78.9	63.3	71.5	65.8	81.8
Pioneer 26R45 69.4 59.0 76.4 62.7 77.8 64.3 USG 3895 68.5 71.0 78.3 60.9 66.1 58.6 Progeny #BLAZE 68.4 62.6 75.0 52.6 67.6 68.2 USG 3329 68.3 64.5 74.4 69.9 64.4 SY Viper 67.5 60.0 71.5 56.8 73.9 64.4 72.5 AGS 2024 66.9 70.4 68.4 53.0 75.7 AgriMAXX 415 66.4 61.2 73.6 59.1 67.8 63.0 73.7 SY 547 65.9 57.1 67.8 49.5 72.6 66.1 AGS 2038 65.8 70.2 60.3 47.8 68.7 64.0 80.2 AGS 2055 65.6 66.5 64.5 63.8 66.7 64.7 83.9 Dyna-Gro 9811 <	Hilliard	69.8	67.7	73.0	62.1	70.8	67.7	85.5
USG 3895 68.5 71.0 78.3 60.9 66.1 58.6 Progeny #BLAZE 68.4 62.6 75.0 52.6 67.6 68.2 USG 3329 68.3 64.5 74.4 69.9 64.4 SY Viper 67.5 60.0 71.5 56.8 73.9 64.4 72.5 AGS 2024 66.9 70.4 68.4 53.0 75.7 AgriMAXX 415 66.4 61.2 73.6 59.1 67.8 63.0 73.7 SY 547 65.9 57.1 67.8 49.5 72.6 66.1 AGS 2038 65.8 70.2 60.3 47.8 68.7 64.0 80.2 AGS 2055 65.6 66.5 64.5 63.8 66.7 64.7 83.9 Dyna-Gro 9811 65.3 61.1 69.6 62.2 66.3 64.2 Progeny #TURBO	Progeny #BULLET	69.5	59.6	75.6	63.4	72.4	70.4	79.3
Progeny #BLAZE 68.4 62.6 75.0 52.6 67.6 68.2 USG 3329 68.3 64.5 74.4 69.9 64.4 SY Viper 67.5 60.0 71.5 56.8 73.9 64.4 72.5 AGS 2024 66.9 70.4 68.4 53.0 75.7 AgriMAXX 415 66.4 61.2 73.6 59.1 67.8 63.0 73.7 SY 547 65.9 57.1 67.8 49.5 72.6 66.1 AGS 2038 65.8 70.2 60.3 47.8 68.7 64.0 80.2 AGS 2055 65.6 66.5 64.5 63.8 66.7 64.7 83.9 Dyna-Gro 9811 65.3 61.1 69.6 62.2 66.3 64.2 Progeny #TURBO 65.2 49.1 62.8 55.5 70.6 78.4 76.7 Pioneer 26R10	Pioneer 26R45	69.4	59.0	76.4	62.7	77.8	64.3	
USG 3329 68.3 64.5 74.4 69.9 64.4 SY Viper 67.5 60.0 71.5 56.8 73.9 64.4 72.5 AGS 2024 66.9 70.4 68.4 53.0 75.7 AgriMAXX 415 66.4 61.2 73.6 59.1 67.8 63.0 73.7 SY 547 65.9 57.1 67.8 49.5 72.6 66.1 AGS 2038 65.8 70.2 60.3 47.8 68.7 64.0 80.2 AGS 2055 65.6 66.5 64.5 63.8 66.7 64.7 83.9 Dyna-Gro 9811 65.3 61.1 69.6 62.2 66.3 64.2 Progeny #TURBO 65.2 49.1 62.8 55.5 70.6 78.4 76.7 Pioneer 26R10 64.0 59.8 69.8 50.7 67.1 59.3 58.3 Dixie Bentley	USG 3895	68.5	71.0	78.3	60.9	66.1	58.6	
SY Viper 67.5 60.0 71.5 56.8 73.9 64.4 72.5 AGS 2024 66.9 70.4 68.4 53.0 75.7 AgriMAXX 415 66.4 61.2 73.6 59.1 67.8 63.0 73.7 SY 547 65.9 57.1 67.8 49.5 72.6 66.1 AGS 2038 65.8 70.2 60.3 47.8 68.7 64.0 80.2 AGS 2038 65.6 66.5 64.5 63.8 66.7 64.7 83.9 Dyna-Gro 9811 65.3 61.1 69.6 62.2 66.3 64.2 Progeny #TURBO 65.2 49.1 62.8 55.5 70.6 78.4 76.7 Pioneer 26R10 64.0 59.8 69.8 50.7 67.1 59.3 58.3 Dixie Bentley 63.9 68.0 65.9 57.0 50.8 71.0 85.4 Dixie Jones <td>Progeny #BLAZE</td> <td>68.4</td> <td>62.6</td> <td>75.0</td> <td>52.6</td> <td>67.6</td> <td>68.2</td> <td></td>	Progeny #BLAZE	68.4	62.6	75.0	52.6	67.6	68.2	
AGS 2024 66.9 70.4 68.4 53.0 75.7 AgriMAXX 415 66.4 61.2 73.6 59.1 67.8 63.0 73.7 SY 547 65.9 57.1 67.8 49.5 72.6 66.1 AGS 2038 65.8 70.2 60.3 47.8 68.7 64.0 80.2 AGS 2055 65.6 66.5 64.5 63.8 66.7 64.7 83.9 Dyna-Gro 9811 65.3 61.1 69.6 62.2 66.3 64.2 Progeny #TURBO 65.2 49.1 62.8 55.5 70.6 78.4 76.7 Pioneer 26R10 64.0 59.8 69.8 50.7 67.1 59.3 58.3 Dixie Bentley 63.9 68.0 65.9 57.0 50.8 71.0 85.4 Dixie Jones 62.6 60.1 70.4 51.0 63.3 56.7 73.9 AgriMAXX 47	USG 3329	68.3	64.5	74.4		69.9	64.4	
AgriMAXX 415 66.4 61.2 73.6 59.1 67.8 63.0 73.7 SY 547 65.9 57.1 67.8 49.5 72.6 66.1 AGS 2038 65.8 70.2 60.3 47.8 68.7 64.0 80.2 AGS 2055 65.6 66.5 64.5 63.8 66.7 64.7 83.9 Dyna-Gro 9811 65.3 61.1 69.6 62.2 66.3 64.2 Progeny #TURBO 65.2 49.1 62.8 55.5 70.6 78.4 76.7 Pioneer 26R10 64.0 59.8 69.8 50.7 67.1 59.3 58.3 Dixie Bentley 63.9 68.0 65.9 57.0 50.8 71.0 85.4 Pioneer 26R36 63.5 59.3 72.0 54.5 67.9 54.8 85.4 Dixie Jones 62.6 60.1 70.4 51.0 63.3 56.7 73.9 Agri	SY Viper	67.5	60.0	71.5	56.8	73.9	64.4	72.5
SY 547 65.9 57.1 67.8 49.5 72.6 66.1 AGS 2038 65.8 70.2 60.3 47.8 68.7 64.0 80.2 AGS 2055 65.6 66.5 64.5 63.8 66.7 64.7 83.9 Dyna-Gro 9811 65.3 61.1 69.6 62.2 66.3 64.2 Progeny #TURBO 65.2 49.1 62.8 55.5 70.6 78.4 76.7 Pioneer 26R10 64.0 59.8 69.8 50.7 67.1 59.3 58.3 Dixie Bentley 63.9 68.0 65.9 57.0 50.8 71.0 85.4 Pioneer 26R36 63.5 59.3 72.0 54.5 67.9 54.8 85.4 Dixie Jones 62.6 60.1 70.4 51.0 63.3 56.7 73.9 AgriMAXX 475 62.4 61.4 73.4 52.5 63.0 51.8 76.2 Progeny #FURY 62.2 58.8 61.8 53.2 58.2 53.0 <td>AGS 2024</td> <td>66.9</td> <td>70.4</td> <td>68.4</td> <td></td> <td>53.0</td> <td>75.7</td> <td></td>	AGS 2024	66.9	70.4	68.4		53.0	75.7	
AGS 2038 65.8 70.2 60.3 47.8 68.7 64.0 80.2 AGS 2055 65.6 66.5 64.5 63.8 66.7 64.7 83.9 Dyna-Gro 9811 65.3 61.1 69.6 62.2 66.3 64.2 Progeny #TURBO 65.2 49.1 62.8 55.5 70.6 78.4 76.7 Pioneer 26R10 64.0 59.8 69.8 50.7 67.1 59.3 58.3 Dixie Bentley 63.9 68.0 65.9 57.0 50.8 71.0 85.4 Pioneer 26R36 63.5 59.3 72.0 54.5 67.9 54.8 85.4 Dixie Jones 62.6 60.1 70.4 51.0 63.3 56.7 73.9 AgriMAXX 475 62.4 61.4 73.4 52.5 63.0 51.8 76.2 Progeny #FURY 62.2 58.8 61.8 53.2 66.2 61.8 Croplan CP9606 60.0 63.5 65.2 58.2 53.0	AgriMAXX 415	66.4	61.2	73.6	59.1	67.8	63.0	73.7
AGS 2055 65.6 66.5 64.5 63.8 66.7 64.7 83.9 Dyna-Gro 9811 65.3 61.1 69.6 62.2 66.3 64.2 Progeny #TURBO 65.2 49.1 62.8 55.5 70.6 78.4 76.7 Pioneer 26R10 64.0 59.8 69.8 50.7 67.1 59.3 58.3 Dixie Bentley 63.9 68.0 65.9 57.0 50.8 71.0 85.4 Pioneer 26R36 63.5 59.3 72.0 54.5 67.9 54.8 85.4 Dixie Jones 62.6 60.1 70.4 51.0 63.3 56.7 73.9 AgriMAXX 475 62.4 61.4 73.4 52.5 63.0 51.8 76.2 Progeny #FURY 62.2 58.8 61.8 53.2 66.2 61.8 Croplan CP9606 60.0 63.5 65.2 58.2 53.0 Delta Grow 3500 60.0 64.9 59.7 49.3 46.6 68.6	SY 547	65.9	57.1	67.8	49.5	72.6	66.1	
Dyna-Gro 9811 65.3 61.1 69.6 62.2 66.3 64.2 Progeny #TURBO 65.2 49.1 62.8 55.5 70.6 78.4 76.7 Pioneer 26R10 64.0 59.8 69.8 50.7 67.1 59.3 58.3 Dixie Bentley 63.9 68.0 65.9 57.0 50.8 71.0 85.4 Pioneer 26R36 63.5 59.3 72.0 54.5 67.9 54.8 85.4 Dixie Jones 62.6 60.1 70.4 51.0 63.3 56.7 73.9 AgriMAXX 475 62.4 61.4 73.4 52.5 63.0 51.8 76.2 Progeny #FURY 62.2 58.8 61.8 53.2 66.2 61.8 Croplan CP9606 60.0 63.5 65.2 58.2 53.0 Delta Grow 3500 60.0 64.9 59.7 49.3 46.6 68.6 91.3 <tr< td=""><td>AGS 2038</td><td>65.8</td><td>70.2</td><td>60.3</td><td>47.8</td><td>68.7</td><td>64.0</td><td>80.2</td></tr<>	AGS 2038	65.8	70.2	60.3	47.8	68.7	64.0	80.2
Progeny #TURBO 65.2 49.1 62.8 55.5 70.6 78.4 76.7 Pioneer 26R10 64.0 59.8 69.8 50.7 67.1 59.3 58.3 Dixie Bentley 63.9 68.0 65.9 57.0 50.8 71.0 85.4 Pioneer 26R36 63.5 59.3 72.0 54.5 67.9 54.8 85.4 Dixie Jones 62.6 60.1 70.4 51.0 63.3 56.7 73.9 AgriMAXX 475 62.4 61.4 73.4 52.5 63.0 51.8 76.2 Progeny #FURY 62.2 58.8 61.8 53.2 66.2 61.8 Croplan CP9606 60.0 63.5 65.2 58.2 53.0 Delta Grow 3500 60.0 64.9 59.7 49.3 46.6 68.6 91.3 Dyna-Gro 9862 58.1 43.6 62.1 65.8 60.7	AGS 2055	65.6	66.5	64.5	63.8	66.7	64.7	83.9
Pioneer 26R10 64.0 59.8 69.8 50.7 67.1 59.3 58.3 Dixie Bentley 63.9 68.0 65.9 57.0 50.8 71.0 85.4 Pioneer 26R36 63.5 59.3 72.0 54.5 67.9 54.8 85.4 Dixie Jones 62.6 60.1 70.4 51.0 63.3 56.7 73.9 AgriMAXX 475 62.4 61.4 73.4 52.5 63.0 51.8 76.2 Progeny #FURY 62.2 58.8 61.8 53.2 66.2 61.8 Croplan CP9606 60.0 63.5 65.2 58.2 53.0 Delta Grow 3500 60.0 64.9 59.7 49.3 46.6 68.6 91.3 Dyna-Gro 9862 58.1 43.6 62.1 65.8 60.7 USG 3640 56.4 57.8 59.0 44.1 64.8	Dyna-Gro 9811	65.3	61.1	69.6	62.2	66.3	64.2	
Dixie Bentley 63.9 68.0 65.9 57.0 50.8 71.0 85.4 Pioneer 26R36 63.5 59.3 72.0 54.5 67.9 54.8 85.4 Dixie Jones 62.6 60.1 70.4 51.0 63.3 56.7 73.9 AgriMAXX 475 62.4 61.4 73.4 52.5 63.0 51.8 76.2 Progeny #FURY 62.2 58.8 61.8 53.2 66.2 61.8 Croplan CP9606 60.0 63.5 65.2 58.2 53.0 Delta Grow 3500 60.0 64.9 59.7 49.3 46.6 68.6 91.3 Dyna-Gro 9862 58.1 43.6 62.1 65.8 60.7 USG 3640 56.4 57.8 59.0 44.1 64.8	Progeny #TURBO	65.2	49.1	62.8	55.5	70.6	78.4	76.7
Pioneer 26R36 63.5 59.3 72.0 54.5 67.9 54.8 85.4 Dixie Jones 62.6 60.1 70.4 51.0 63.3 56.7 73.9 AgriMAXX 475 62.4 61.4 73.4 52.5 63.0 51.8 76.2 Progeny #FURY 62.2 58.8 61.8 53.2 66.2 61.8 Croplan CP9606 60.0 63.5 65.2 58.2 53.0 Delta Grow 3500 60.0 64.9 59.7 49.3 46.6 68.6 91.3 Dyna-Gro 9862 58.1 43.6 62.1 65.8 60.7 USG 3640 56.4 57.8 59.0 44.1 64.8	Pioneer 26R10	64.0	59.8	69.8	50.7	67.1	59.3	58.3
Dixie Jones 62.6 60.1 70.4 51.0 63.3 56.7 73.9 AgriMAXX 475 62.4 61.4 73.4 52.5 63.0 51.8 76.2 Progeny #FURY 62.2 58.8 61.8 53.2 66.2 61.8 Croplan CP9606 60.0 63.5 65.2 58.2 53.0 Delta Grow 3500 60.0 64.9 59.7 49.3 46.6 68.6 91.3 Dyna-Gro 9862 58.1 43.6 62.1 65.8 60.7 USG 3640 56.4 57.8 59.0 44.1 64.8	Dixie Bentley	63.9	68.0	65.9	57.0	50.8	71.0	85.4
AgriMAXX 475 62.4 61.4 73.4 52.5 63.0 51.8 76.2 Progeny #FURY 62.2 58.8 61.8 53.2 66.2 61.8 Croplan CP9606 60.0 63.5 65.2 58.2 53.0 Delta Grow 3500 60.0 64.9 59.7 49.3 46.6 68.6 91.3 Dyna-Gro 9862 58.1 43.6 62.1 65.8 60.7 USG 3640 56.4 57.8 59.0 44.1 64.8	Pioneer 26R36	63.5	59.3	72.0	54.5	67.9	54.8	85.4
Progeny #FURY 62.2 58.8 61.8 53.2 66.2 61.8 Croplan CP9606 60.0 63.5 65.2 58.2 53.0 Delta Grow 3500 60.0 64.9 59.7 49.3 46.6 68.6 91.3 Dyna-Gro 9862 58.1 43.6 62.1 65.8 60.7 USG 3640 56.4 57.8 59.0 44.1 64.8	Dixie Jones	62.6	60.1	70.4	51.0	63.3	56.7	73.9
Croplan CP9606 60.0 63.5 65.2 58.2 53.0 Delta Grow 3500 60.0 64.9 59.7 49.3 46.6 68.6 91.3 Dyna-Gro 9862 58.1 43.6 62.1 65.8 60.7 USG 3640 56.4 57.8 59.0 44.1 64.8	AgriMAXX 475	62.4	61.4	73.4	52.5	63.0	51.8	76.2
Delta Grow 3500 60.0 64.9 59.7 49.3 46.6 68.6 91.3 Dyna-Gro 9862 58.1 43.6 62.1 65.8 60.7 USG 3640 56.4 57.8 59.0 44.1 64.8		62.2	58.8	61.8	53.2	66.2	61.8	
Dyna-Gro 9862 58.1 43.6 62.1 65.8 60.7 USG 3640 56.4 57.8 59.0 44.1 64.8	Croplan CP9606	60.0	63.5	65.2		58.2	53.0	
Dyna-Gro 9862 58.1 43.6 62.1 65.8 60.7 USG 3640 56.4 57.8 59.0 44.1 64.8	Delta Grow 3500	60.0	64.9	59.7	49.3	46.6	68.6	91.3
	Dyna-Gro 9862	58.1	43.6	62.1		65.8	60.7	
Means 67.0 62.7 71.6 57.3 67.9 66.0 76.7	USG 3640	56.4	57.8	59.0		44.1	64.8	
	Means	67.0	62.7	71.6	57.3	67.9	66.0	76.7

^{*}Trials with data from 2018 and 2019 only. Includes Hope, Kibler, Marianna, and Newport

^{**}Keiser 2-year average calculated from 2017 and 2018 (no data from 2019)

^{**}Rohwer 2-year calculated from 2016 and 2017 (no data from 2018 or 2019)

Entry Name Armor Mayhem USG 3536 Dixie Brown	All Trials* 79.8 79.0	Kibler	rformance (bu/acre) Marianna	
USG 3536 Dixie Brown		02.2		Newport
Dixie Brown	79.0	83.3	78.9	77.2
	75.0	81.0	78.8	77.2
	78.7	80.7	76.3	79.0
Dyna-Gro 9701	78.0	77.2	77.0	79.7
AgriMAXX 473	77.2	82.1	75.3	74.3
Pioneer 26R41	77.2	81.2	75.7	74.7
Pioneer 26R45	76.9	80.2	77.6	73.0
Delta Grow 1000	76.7	78.7	77.6	73.8
Progeny #BULLET	76.2	80.2	75.5	72.9
Pioneer 26R59	76.1	81.2	71.0	76.2
Go Wheat 2058	75.4	75.2	73.3	77.7
Progeny #WARRIOR	74.4	76.0	73.0	74.1
Hilliard	74.1	76.4	74.7	71.3
Progeny #TURBO	73.7	69.6	70.9	80.5
Dyna-Gro 9811	73.1	73.8	72.1	73.5
USG 3895	73.1	83.1	70.2	66.0
SY Viper	73.0	76.9	75.0	67.1
AgriMAXX 415	72.0	77.8	68.7	69.5
AGS 2055	71.4	68.6	73.2	72.5
Pioneer 26R36	70.8	78.8	71.0	62.6
SY 547	69.6	67.9	72.0	68.8
AGS 2038	69.5	65.6	73.3	69.7
Progeny #BLAZE	69.0	77.1	64.8	65.0
Dixie Bentley	68.8	69.4	62.5	74.6
Progeny #FURY	68.8	61.8	68.5	76.2
Pioneer 26R10	67.2	74.2	63.1	64.2
AgriMAXX 475	66.6	77.7	65.2	56.9
Dixie Jones	66.3	73.5	64.4	60.9
Delta Grow 3500	62.6	59.4	57.8	70.6
Means	72.9	75.5	71.6	71.7

	Fusarium	Septoria Leaf	Stripe Rust	Leaf Rust	Bacterial Leaf	
Entry Name	Head Blight	Blotch	Severity	Severity	Streak	
	Severity 0-9	Severity 0-9	0-9	0-9	Severity 0-9	
AgriMAXX 415	1.8	1.0	0	3	1.8	
AgriMAXX 473	0.8	1.0	0	2	1.0	
AgriMAXX 475	1.0	1.0	0	5	2.3	
AGS 2024	3.3	1.5	0	0	2.5	
AGS 2038	3.7	1.3	0	1	1.3	
AGS 2055	3.3	1.5	1	0	2.8	
Armor Mayhem	1.0	1.0	0	2	1.0	
Croplan CP8550	0.8	1.0	0	1	1.0	
Croplan CP9606	1.7	2.0	0	1	2.5	
Delta Grow 1000	1.0	1.0	0	1	1.3	
Delta Grow 3500	4.5	1.5	1	2	3.5	
Dixie Bentley	1.8	1.0	0	2	2.3	
Dixie Brown	0.8	1.0	0	2	1.0	
Dixie Jones	0.5	1.0	0	6	2.3	
Dyna-Gro 9701	1.0	1.0	0	3	1.3	
Dyna-Gro 9811	2.0	1.3	0	2	2.3	
Dyna-Gro 9862	0.7	2.0	0	9	1.3	
Go Wheat 2058	1.7	1.0	1	1	3.0	
Hilliard	1.5	1.0	0	1	1.8	
Pioneer 26R10	1.0	1.3	0	6	2.5	
Pioneer 26R36	1.0	1.5	0	1	2.8	
Pioneer 26R41	1.2	1.5	0	2	1.5	
Pioneer 26R45	0.7	2.0	0	3	1.3	
Pioneer 26R59	2.3	1.3	0	6	1.8	
Progeny #BLAZE	1.5	1.0	1	6	1.3	
Progeny #BULLET	0.8	1.0	0	1	1.5	
Progeny #FURY	4.5	2.0	2	0	3.0	
Progeny #TURBO	2.5	1.5	0	1	1.8	
Progeny #WARRIOR	1.7	1.3	0	8	1.5	
SY 547	1.2	1.3	0	2	2.8	
SY Viper	2.7	1.3	0	6	2.0	
USG 3329	1.0	1.0	0	4	1.5	
USG 3536	1.2	1.5	0	0	1.0	
USG 3640	3.7	1.8	0	0	3.0	
USG 3895	2.5	1.8	0	1	2.3	
Means	1.8	1.3	0.2	2.6	1.9	

Entry Name	Test Weight	Plant Height	Lodging	Relative	Awned
<u>Entry Name</u>	Lb/bu	Inches	0-9	Maturity	Variety
AgriMAXX 415	56.2	33.9	2.3	Medium	Yes
AgriMAXX 473	55.6	34.6	4.5	Late	Yes
AgriMAXX 475	52.5	32.4	2.3	Late	Yes
AGS 2024	53.9	33.1	2.3	Late	Yes
AGS 2038	52.0	38.4	0.5	Medium	Yes
AGS 2055	52.5	34.6	1.0	Medium	Yes
Armor Mayhem	54.8	33.8	7.3	Late	Yes
Croplan CP8550	54.6	35.0	3.0	Late	Yes
Croplan CP9606	50.1	32.8	3.0	Medium	Yes
Delta Grow 1000	53.8	35.3	3.0	Late	Yes
Delta Grow 3500	54.1	31.8	3.8	Early	Yes
Dixie Bentley	56.3	35.5	3.3	Early	Yes
Dixie Brown	55.0	34.3	3.0	Late	Yes
Dixie Jones	52.1	30.7	3.0	Late	Yes
Dyna-Gro 9701	54.7	35.7	2.8	Late	Yes
Dyna-Gro 9811	54.7	34.1	1.3	Medium	Yes
Dyna-Gro 9862	53.2	31.7	2.3	Late	No
Go Wheat 2058	54.5	30.9	1.3	Medium	Yes
Hilliard	55.3	35.5	1.0	Early	Yes
Pioneer 26R10	49.9	33.1	3.0	Late	Yes
Pioneer 26R36	53.0	32.6	2.8	Late	Yes
Pioneer 26R41	53.6	31.8	4.0	Medium	Yes
Pioneer 26R45	49.3	33.7	4.8	Medium	No
Pioneer 26R59	51.0	30.8	1.8	Medium	No
Progeny #BLAZE	51.4	33.5	2.8	Medium	Yes
Progeny #BULLET	54.8	35.0	4.3	Late	Yes
Progeny #FURY	47.8	31.9	1.8	Early	No
Progeny #TURBO	56.6	33.0	3.3	Early	No
Progeny #WARRIOR	52.6	31.9	2.3	Medium	Yes
SY 547	55.1	35.0	3.3	Medium	No
SY Viper	54.7	33.3	4.0	Early	No
USG 3329	51.8	33.0	6.0	Medium	Yes
USG 3536	55.0	34.0	5.3	Late	Yes
USG 3640	54.7	34.0	2.5	Early	Yes
USG 3895	52.3	30.8	2.3	Medium	Yes
Means	53.4	33.5	3.0		