



2025-2026 Wheat Update



ARKANSAS WHEAT PERFORMANCE TRIALS AND VARIETY SELECTION

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Wheat yield performance trials were conducted during the 2023-2024 growing season by the Arkansas Wheat Variety Testing Program under the direction of John Carlin to provide information about yield potential, agronomic characteristics, and disease reactions of commercially available and experimental lines/varieties of wheat. Variety selection is essential for successful and profitable wheat production. This publication summarizes the Arkansas Wheat Variety Testing Program results from the 2023-2024 season from commercially available varieties only, along with two and three-year average yields, and disease reactions to common diseases found in Arkansas. It is designed to help producers select adapted, high-yielding, and disease-resistant varieties. Trials were planted in the fall of 2024, but due to challenging weather conditions, only yield results from Pine Tree were reported, and those results can be found at: <https://aaes.uada.edu/variety-testing/>.

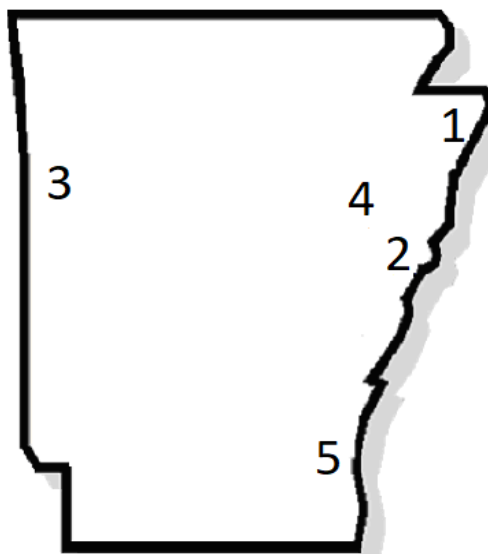


FIGURE 1. LOCATIONS OF ARKANSAS WHEAT PERFORMANCE TESTS 2024

- 1 – Northeast Research and Extension Center, Keiser – Sharkey Silty Clay/Steele Complex
- 2 – Lon Mann Cotton Research Station, Marianna – Calloway Silt Loam
- 3 – Vegetable Substation, Kibler – Roxana Silt Loam
- 4 – Pine Tree Research Station, Colt – Calhoun Silt Loam
- 5 – Rohwer Research Station, Rohwer – Rilla/McGehee Silt Loam

Methods

Wheat varieties and experimental lines were entered by seed companies and public institutions and evaluated for an unbiased performance comparison. In general, recommended cultural practices for wheat production in Arkansas were used. All locations were planted into conventionally tilled seedbeds between November 8 and 15 using small plot planters.

Each trial consisted of 59 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. No foliar fungicides were applied. Plots were harvested with a small plot combine to determine yields adjusted to 13 percent moisture.

For further details concerning methods and detailed results from performance trials, consult the *Small-Grain Cultivar Performance Tests 2023-24*, Arkansas Agricultural Experiment Station, located at: <https://aaes.uada.edu/variety-testing/>

Table 1. Arkansas Wheat Performance Trials, Yield Summary of Commercially Available Varieties, 2024.

	-----2024 Yield (Bu./ac)-----				
Entry Name	All Trial Avg.*	Keiser	Marianna	Pine Tree	Rohwer
Dyna-Gro 9593	80.1	65.5	80.1	114.1	60.5
USG 3884	80.0	60.1	78.6	114.4	66.8
USG 3352	77.1	65.2	72.4	100.4	70.3
PROGENY #BUSTER	77.0	66.4	64.6	98.8	78.2
Dyna-Gro 9542	76.1	68.4	74.3	101.8	59.7
KWS542	75.1	57.9	69.4	106.3	66.8
Delta Grow 1200	75.0	64.1	66.5	100.7	68.5
Dyna-Gro 9811	74.9	57.4	68.3	103.3	70.7
AgriMAXX 525	74.5	59.2	67.1	105.4	66.4
Dyna-Gro 9151	74.2	62.0	68.7	102.5	63.7
USG 3363	74.0	61.5	68.4	100.3	65.8
AgriMAXX 535	73.8	60.9	67.2	102.2	64.8
Delta Grow 1000	73.5	55.8	64.8	103.1	70.4
KWS500	73.4	56.6	70.1	102.9	63.9
Dyna-Gro 9701	73.1	54.7	67.0	105.9	64.6
GoWheat 6000	72.9	63.7	68.1	101.2	58.5
P26R45	72.6	64.3	65.7	98.3	61.9
P26R33	72.5	59.7	69.8	102.4	58.0
Dyna-Gro 9120	71.6	62.6	62.0	100.3	61.6
AgriMAXX 514	71.5	62.4	63.3	94.6	65.5
P26R59	71.3	59.2	66.1	103.7	56.2
PROGENY #BINGO	71.0	65.2	64.2	95.8	58.8
PROGENY #COLT	70.9	50.7	68.2	97.5	67.3
AGS 2055	70.9	60.8	64.1	97.4	61.1
KWS490	70.8	63.1	69.8	88.6	61.6
Delta Grow 1900	70.5	62.0	61.9	92.7	65.3
KWS397	69.4	57.4	67.7	94.1	58.5
GoWheat 6056	68.7	60.8	60.9	90.7	62.2
PROGENY #CHAD	68.2	64.9	67.0	90.4	50.4
KWS543	68.1	56.1	68.0	90.3	57.8
KWS501	67.7	50.1	68.4	93.7	58.4
Revere 2169	67.6	60.2	57.6	89.8	62.8
Delta Grow 3500	67.6	53.5	61.9	98.4	56.5
PROGENY #TURBO	67.2	56.0	61.6	93.0	58.2
Dyna-Gro 9172	67.0	56.1	55.0	92.5	64.5
Dyna-Gro 9290	66.7	59.7	60.6	91.0	55.5
Dyna-Gro 9393	66.2	60.2	60.9	88.8	54.9
KWS529	65.8	56.3	67.7	94.6	44.4
Delta Grow 1800	65.3	51.7	52.2	92.6	64.8
KWS525	64.7	53.0	61.2	94.3	50.2
GoWheat 4059S	64.0	56.7	58.3	82.2	58.8
AgriMAXX 544	63.0	48.3	61.5	87.0	55.0
USG 3574	60.2	48.8	70.2	75.3	46.5
VT Pitman	58.4	39.0	52.5	87.4	54.8
Dyna-Gro 9533	57.6	51.1	67.5	68.8	43.0

Table 1. Continued. Arkansas Wheat Performance Trials, Yield Summary of Commercially Available Varieties, 2024.

	-----2024 Yield (Bu./ac)-----				
<u>Entry Name</u>	<u>All Trial Avg.*</u>	<u>Keiser</u>	<u>Marianna</u>	<u>Pine Tree</u>	<u>Rohwer</u>
Mean	70.2	58.4	65.6	96.2	60.8

*All Trial Average is the average yield of Keiser, Marianna, Pine Tree, and Rohwer trials during 2024.

Table 2. Arkansas Wheat Performance Trials, Yield Summary of Commercially Available Varieties, 2023-2024.

	-----2-year Average Yield (Bu./ac)-----					
<u>Entry Name</u>	<u>All Trial Avg.*</u>	<u>Keiser</u>	<u>Kibler**</u>	<u>Marianna</u>	<u>Pine Tree</u>	<u>Rohwer</u>
Delta Grow 1200	83.9	77.8	82.2	75.9	97.6	84.4
USG 3352	82.6	78.2	79.9	77.8	98.9	75.3
USG 3363	82.2	76.7	---	76.6	100.9	74.4
PROGENY #BUSTER	81.7	81.2	79.0	69.2	98.1	78.4
PROGENY #BINGO	80.7	82.1	---	71.3	96.9	72.4
P26R33	80.0	72.7	---	73.9	99.5	73.7
Delta Grow 1000	79.9	66.6	---	73.4	102.9	76.7
AgriMAXX 514	79.5	77.9	76.9	70.7	95.6	73.6
KWS490	79.5	76.4	---	75.0	89.1	77.5
Dyna-Gro 9701	79.3	71.7	74.7	71.1	100.9	73.4
Dyna-Gro 9151	79.0	72.1	80.7	71.7	101.0	71.3
P26R45	78.6	75.9	79.2	70.0	102.9	65.5
AgriMAXX 535	78.2	72.3	---	71.8	95.8	73.0
P26R59	77.4	70.6	80.4	72.3	100.1	66.7
Dyna-Gro 9811	77.2	69.1	81.0	69.7	96.4	73.7
AGS 2055	76.7	68.6	64.3	70.8	97.0	70.5
Delta Grow 1900	76.0	71.7	---	70.5	88.5	73.1
KWS397	75.8	69.8	---	74.7	94.3	64.5
USG 3574	75.8	67.5	---	77.1	91.6	66.8
PROGENY #TURBO	75.6	66.3	75.4	69.4	94.4	72.4
Dyna-Gro 9120	75.3	71.5	85.8	63.9	95.8	69.9
Revere 2169	75.1	70.5	75.2	68.8	89.9	71.1
GoWheat 6000	74.6	70.5	60.1	68.4	94.6	65.0
Dyna-Gro 9393	74.1	73.1	---	67.1	89.6	66.4
GoWheat 6056	73.9	72.9	---	66.8	89.1	66.6
Dyna-Gro 9172	73.7	70.9	76.7	63.7	89.0	71.0
GoWheat 4059S	73.3	71.1	---	65.5	86.8	69.6
PROGENY #CHAD	72.2	69.7	66.2	70.4	88.2	60.4
Delta Grow 1800	71.3	66.5	67.2	62.6	90.9	65.2
Dyna-Gro 9290	70.8	70.3	---	63.2	86.6	63.1
Delta Grow 3500	66.8	60.2	41.4	58.8	87.8	60.4
Mean	76.8	72.0	73.7	70.1	94.5	70.5

*Trials with yield data from 2023 and 2024 only. Includes Keiser, Marianna, Pine Tree, and Rohwer

**Kibler 2-year calculated from 2021 and 2022 data (no data in 2023 or 2024) and is not included in the All Trials average.

Table 3. Arkansas Wheat Performance Trials, Yield Summary of Commercially Available Varieties, 2022-2024.					
	-----3-Year Average Yield (Bu./ac)-----				
Entry Name	All Trials Avg.*	Keiser	Marianna	Pine Tree	Rohwer
Delta Grow 1200	85.3	77.1	82.6	91.1	90.2
PROGENY #BUSTER	82.7	79.5	75.5	94.8	81.0
AgriMAXX 514	81.9	73.4	77.4	94.7	82.1
PROGENY #BINGO	81.8	75.2	77.6	95.9	78.4
USG 3352	81.7	74.1	81.6	89.9	81.3
Delta Grow 1000	79.9	63.7	78.7	97.1	80.2
Dyna-Gro 9701	79.7	69.3	75.8	94.0	79.5
Dyna-Gro 9151	79.5	70.2	78.9	91.5	77.4
P26R45	78.9	73.4	75.5	94.1	72.7
Dyna-Gro 9120	78.6	69.8	72.9	93.1	78.5
PROGENY #TURBO	78.2	65.3	78.9	89.2	79.4
P26R59	77.3	67.6	75.6	89.9	75.9
AGS 2055	76.9	65.8	73.2	91.8	76.6
Dyna-Gro 9811	76.8	67.2	73.4	88.0	78.6
Dyna-Gro 9393	75.9	69.0	72.0	86.8	75.6
PROGENY #CHAD	74.9	68.5	75.3	86.9	68.8
Dyna-Gro 9172	74.7	67.3	70.3	85.5	75.5
Revere 2169	74.0	65.3	73.7	81.4	75.5
Delta Grow 1800	73.9	67.3	68.0	86.5	73.9
GoWheat 6000	73.7	69.0	65.7	88.5	71.4
GoWheat 6056	72.9	65.6	70.7	84.1	71.3
Delta Grow 3500	68.0	62.5	59.5	84.8	65.0
Mean	77.6	69.4	74.2	90.0	76.8
*Trials with yield data from 2022, 2023, and 2024 include Keiser, Marianna, Pine Tree, and Rohwer.					

Table 4. Agronomic Characteristics of Commercially Available Varieties in Arkansas Performance Trials, 2024.*

Entry Name	Test Weight Lb/bu	Plant Height Inches	Heading Date	Head Type
AgriMAXX 514	54.2	33	4/13/24	Awned
AgriMAXX 525	56.5	32	4/14/24	Awned
AgriMAXX 535	56.8	34	4/13/24	Awned
AgriMAXX 544	55.9	33	4/11/24	---
AGS 2055	55.4	35	4/12/24	Awned
Delta Grow 1000	55.7	35	4/13/24	Awned
Delta Grow 1200	55.1	34	4/13/24	Awned
Delta Grow 1800	56.8	34	4/09/24	Awned
Delta Grow 1900	55.4	32	4/11/24	Awned
Delta Grow 3500	56.3	34	4/08/24	Awned
Dyna-Gro 9120	57.6	32	4/12/24	Awned
Dyna-Gro 9151	57.6	34	4/12/24	Awned
Dyna-Gro 9172	53.4	32	4/13/24	Awned
Dyna-Gro 9290	54.9	33	4/10/24	Awned
Dyna-Gro 9393	55.2	32	4/14/24	Awned
Dyna-Gro 9533	54.2	31	4/14/24	Smooth
Dyna-Gro 9542	55.2	33	4/14/24	Awned
Dyna-Gro 9593	55.5	34	4/12/24	Awned
Dyna-Gro 9701	55.5	36	4/14/24	Awned
Dyna-Gro 9811	55.8	35	4/10/24	Awned
GoWheat 4059S	55.8	33	4/15/24	Smooth
GoWheat 6000	56.8	33	4/11/24	Awned
GoWheat 6056	54.6	34	4/13/24	Awned
KWS397	54.6	33	4/11/24	Smooth
KWS490	56.8	33	4/14/24	Awned
KWS500	55.7	32	4/13/24	Awned
KWS501	55.9	32	4/13/24	Awned
KWS525	54.5	33	4/14/24	Awned
KWS529	53.0	33	4/12/24	Smooth
KWS542	56.8	34	4/13/24	Awned
KWS543	56.6	33	4/14/24	Awned
P26R33	56.5	34	4/12/24	Awned
P26R45	52.6	35	4/13/24	Smooth
P26R59	54.5	30	4/12/24	Smooth
PROGENY #BINGO	54.6	34	4/13/24	Awned
PROGENY #BUSTER	56.8	34	4/13/24	Awned
PROGENY #CHAD	55.1	31	4/10/24	Smooth
PROGENY #TURBO	56.0	31	4/10/24	Smooth
PROGENY #COLT	56.8	31	4/15/24	Smooth
Revere 2169	54.2	33	4/13/24	Awned
USG 3352	56.4	35	4/14/24	Awned
USG 3363	55.4	34	4/13/24	Awned
USG 3574	54.6	31	4/14/24	Smooth
USG 3884	55.8	33	4/12/24	Awned
VT Pitman	55.4	32	4/10/24	Awned

Table 4 Continued. Agronomic Characteristics of Commercially Available Varieties in Arkansas Performance Trials, 2024.*

<u>Entry Name</u>	Test Weight Lb/bu	Plant Height Inches	Heading Date	Head Type
Mean	55.5	33	4/12/24	---

*Summary of data on commercially available entries in 2024 trials.

Table 5. Disease Reactions of Commercially Available Varieties in Arkansas Wheat Performance Trials, 2024-25.

Entry Name	2024 Septoria Tritici Blotch Severity 0-9	2024 Stripe Rust Severity 0-9	2024 Leaf Rust Severity 0-9	2024 Fusarium Head Blight Severity 0-9	2024 Bacterial Leaf Streak Severity 0-9	2025** Leaf Rust Severity 0-9	2025** Septoria Tritici Blotch Severity 0-9
AgriMAXX 514	3.0	1.4	3.0	1.4	4.0	2.6	1.3
AgriMAXX 525	3.3	2.1	4.0	2.5	3.0	3.6	1.2
AgriMAXX 535	3.2	1.8	1.3	1.9	3.1	2.7	2.2
AgriMAXX 544	1.5	6.3	0.7	1.6	4.0	--	--
AGS 2055	4.4	2.9	0.7	2.2	3.6	--	--
Delta Grow 1000	2.0	1.1	1.7	3.3	3.5	2.6	1.9
Delta Grow 1200	3.6	2.1	2.3	2.1	3.4	2.5	1.9
Delta Grow 1800	2.2	2.6	1.7	1.5	3.3	1.4	1.9
Delta Grow 1900	3.3	1.4	2.3	1.9	5.5	--	--
Delta Grow 3500	2.3	5.5	1.0	3.8	4.3	--	--
Dyna-Gro 9120	3.7	2.1	3.3	1.8	4.1	4.0	1.3
Dyna-Gro 9151	2.9	2.6	3.3	2.1	3.6	4.6	1.5
Dyna-Gro 9172	3.3	1.7	7.0	1.3	3.4	--	--
Dyna-Gro 9290	3.3	1.8	1.7	4.1	4.0	--	--
Dyna-Gro 9393	3.2	1.5	3.0	2.2	3.0	2.9	1.5
Dyna-Gro 9533	2.1	4.4	3.7	1.8	4.1	--	--
Dyna-Gro 9542	2.0	1.3	2.3	2.6	3.4	--	--
Dyna-Gro 9593	2.0	0.8	3.0	2.7	3.6	3.7	1.3
Dyna-Gro 9701	2.5	2.9	2.7	2.4	3.1	--	--
Dyna-Gro 9811	2.2	1.4	1.3	2.0	4.2	--	--
GoWheat 4059S	2.4	1.6	1.3	3.8	2.9	3.0	1.8
GoWheat 6000	2.9	1.9	0.7	3.4	3.5	1.6	2.0
GoWheat 6056	3.6	1.6	4.3	1.5	4.0	3.8	1.9
KWS397	2.6	3.7	2.3	1.2	4.4	--	--
KWS490	2.7	3.6	0.3	4.2	4.3	--	--
KWS500	2.5	4.1	2.7	2.3	4.4	--	--
KWS501	3.0	4.8	2.3	2.4	4.3	--	--
KWS525	3.3	1.6	5.7	1.8	3.4	--	--
KWS529	2.8	3.2	1.7	2.6	5.7	--	--
KWS542	2.3	3.8	1.3	2.6	2.8	--	--
KWS543	2.5	2.6	2.0	2.4	3.1	--	--
P26R33	2.5	3.5	1.7	1.3	4.1	3.7	2.0
P26R45	2.6	1.6	3.3	1.8	2.7	3.8	1.4
P26R59	3.3	2.2	2.7	3.1	3.1	4.3	1.3
PROGENY #BINGO	2.9	1.3	2.7	1.8	4.0	2.3	1.3
PROGENY #BUSTER	3.1	2.2	3.7	2.5	2.5	3.0	1.4
PROGENY #CHAD	2.7	2.5	1.3	4.5	3.7	1.3	2.3
PROGENY #TURBO	2.7	2.4	1.3	2.4	3.5	2.6	1.6
PROGENY #COLT	3.6	1.6	2.7	2.0	2.5	3.3	1.8
Revere 2169	3.5	1.6	3.3	1.6	3.9	--	--
USG 3352	2.0	2.2	1.0	4.0	2.9	2.4	2.1
USG 3363	2.3	1.6	2.7	1.9	2.9	3.2	2.0

Table 5. Continued. Disease Reactions of Commercially Available Varieties in Arkansas Wheat Performance Trials, 2024-2025*.

<u>Entry Name</u>	2024 Septoria Tritici Blotch Severity 0-9	2024 Stripe Rust Severity 0-9	2024 Leaf Rust Severity 0-9	2024 Fusarium Head Blight Severity 0-9	2024 Bacterial Leaf Streak Severity 0-9	2025** Leaf Rust Severity 0-9	2025** Septoria Tritici Blotch Severity 0-9
USG 3574	1.8	4.1	5.0	1.8	3.6	--	--
USG 3884	2.3	1.5	2.3	2.4	2.6	3.8	1.1
VT Pitman	3.2	5.4	0.3	3.1	4.1	--	--
Mean	2.8	2.5	2.4	2.4	3.6	3.0	1.7

*Disease ratings were visually rated based on a 0-9 scale, where the higher number represents higher disease levels. Ratings summarize all available data collected in OVT variety testing trials.

** 2025 leaf rust ratings are an average of data from Pine Tree and Rohwer, and Septoria Tritici Blotch ratings are an average of data from Marianna, Pine Tree, and Rohwer. A complete 2025 disease reaction summary can be found at: <https://aaes.uada.edu/variety-testing/>