



Current Report

EXTENSION

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2024-2025 Small Grains Variety Performance Tests

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Wheat Crop Overview

At the time of writing this report, 2025 Oklahoma wheat production is estimated to be approximately 107 million bushels, which is about 1% lower than 2024 production and 99% higher than 2023 production (Table 1). Approximately 4.3 million acres were planted for the 2025 crop, lower than the 2024 and 2023 crop years and the previous 10-year average. Number of harvested acres is estimated at 2.75 million, which is 4% lower than in 2024. The statewide average yield is projected at 39 bushels per acre. This is 1 bu/ac greater than the 2024 state average and 7 bu/ac greater than the previous 10-year average.

Table 1. Oklahoma wheat production for 2023, 2024 and 2025 as estimated by USDA-National Agricultural Statistics Service, June 1, 2025.

	2023	2024	2025	10-year
Planted area (million acres)	4.5	4.4	4.3	4.7
Harvested area (million acres)	2.45	2.85	2.75	2.9
Yield (bushels/acre)	25	38	39	32
Total production (million bushels)	54	108	107	93

Oklahoma's wheat planting season was heavily impacted by severe drought. The fall season was essentially divided into two major rain events that shaped crop establishment and growth. Dual-purpose producers who planted before Sept. 22 achieved good stand establishment in early fall. Warm

temperatures promoted rapid growth initially, but as drought conditions intensified — with multiple locations receiving no rainfall during October — crop health began to decline.

The next significant rain event occurred during the first week of November, almost beyond the optimal planting window in some areas. Anticipating late fall rain, many farmers chose to “dust in” their wheat ahead of the rain, while others — particularly those with hard, no-till ground—opted to wait.

In early November, wheat-growing regions across Oklahoma received between 1 and nearly 8 inches of rain, while the Panhandle experienced up to 20 inches of snow Nov. 5–9. These events quickly shifted conditions from extreme drought to localized flooding. Although November temperatures averaged above normal (~53°F), seeds remained in cool, wet soils for weeks, resulting in slow or failed germination. Standing water and soil crusting in some areas further contributed to plant losses. Consequently, wheat stands across the state were highly variable, some fields established well, while others remained uneven, leading to overall low fall forage production.

Wheat stands remained variable through spring. In many fields, late planting delayed growth, while some areas experienced poor germination. Very cold temperatures and snow Feb. 18–21 may have hindered tillering in late-planted wheat. Although moisture levels improved after the snow event, the crops had already suffered from a lack of moisture during a critical developmental transition period.

By April 1, moisture stress was evident. High winds and warm temperatures were taking a toll on the crop. Field conditions varied widely; some fields appeared healthy, while others were struggling. Crop stages reflected these differences with some wheat just past first hollow stem (FHS) and others yet to reach it, particularly late-planted and grazed fields. Reports of brown wheat mites surfaced in southwestern Oklahoma, but

most farmers opted not to spray in order to cut input costs on drought-stressed wheat. Producers were also applying fertilizer in anticipation of rain forecasted for the week.

Critically needed rainfall finally arrived in early April. The first round came with storms followed by a full day of steady, soaking precipitation. Rainfall totals varied across the state, from about 0.34 inches in parts of the Panhandle to 2–3 inches in northeastern and southwestern Oklahoma. April went on to become one of the wettest months on record. The first rain event was accompanied by freezing temperatures. Fortunately, most of the wheat was at or just past the jointing stage, which is generally more tolerant of freezing than the flowering stage. As a majority of the crop lagged in development and temperatures hovered near 29 degrees Fahrenheit across much of the state, widespread freeze injury was not observed.

April rainfall supported crop recovery and growth, and continued moisture in May was critical for carrying the crop through grain filling.

Rainfall during April and May created conditions that favored the late-season development. Leaf spotting diseases, including *Septoria tritici* blotch, *Septoria nodorum* blotch and tan spot, were observed in multiple fields statewide. *Septoria tritici* blotch and tan spot were primarily observed on the lower canopy, while *Septoria nodorum* blotch was more prominent on upper leaves and glumes. Wheat streak mosaic was also widespread and severe this season. Most symptomatic samples tested positive for wheat streak mosaic virus (WSMV) with a smaller number co-infected with both WSMV and *Triticum* mosaic virus.

In contrast to 2024, stripe rust incidence and severity remained low throughout the season. Leaf rust pressure remained minimal until mid-May but became significant in localized areas, particularly near Chickasha (Grady County) and Tipton (Tillman County).

During the second and third weeks of May, low levels of *Fusarium* head blight (FHB) were detected in variety trials at Stillwater (Payne County), Kildare (Kay County), Kingfisher (Kingfisher County) and Lahoma (Garfield County). Although the FHB Risk Tool (wheatcab.psu.edu) indicated high risk across most of Oklahoma (excluding the Panhandle) during the first week of May, no significant FHB outbreaks were reported in commercial wheat fields. Dryland root rots, *Fusarium* crown/root rot and common root rot were prevalent in numerous Oklahoma fields. Affected plants were stunted and white with discolored roots and lower stems. Severely infected plants died prematurely, producing white heads that were either sterile or contained shriveled grain. Dryland root rots favored by drought stress have been consistently widespread across Oklahoma for the past four growing seasons.

Frequent rains in June delayed harvest by at least two weeks in most areas with muddy field conditions causing additional delays. According to the Oklahoma Wheat Commission report, statewide grain yields ranged from the mid-40s to mid-50s bu/ac with intensively managed fields achieving 60–80 bu/ac. Test weights started strong but declined as rain delayed harvest, ranging from 58–63 pounds per bushel. The statewide average protein content was 11.2%.

Testing Methods and Data Interpretation

Testing Methods

Seed was packaged and planted in the same condition as delivered from the respective seed companies. Most seed was treated with an insecticide plus a fungicide, but the formulation and rate of seed treatment used was not confirmed or reported in this document.

Plots were seven rows wide with 7.5-inch row spacing and were sown with a Great Plains no-till drill modified for cone-seeded, small-plot research. Except for dryland locations in the Panhandle, plots were planted 25 feet long and trimmed to 19 feet at harvest with the plot combine. Panhandle dryland locations were 35 feet long at planting and trimmed to 29 feet at harvest. Wheel tracks were included in the plot area for yield calculation for a total plot width of 60 inches. The experimental design for all sites was a randomized complete block with four replicates. The intensive management trials at Apache and Lahoma received two fungicide applications and additional topdress nitrogen application in the spring and were planted on a seeds per acre basis at 1.2 million seeds per acre. Fungicide was applied at Feekes 6 (jointing) and Feekes 9 (flag leaf completely emerged). Additional information on product name, rate and date of application is included in the tables for the respective sites.

Plots received 5 gallons per acre of 10-34-0 at planting. All variety trial locations were sown at 60 pounds per acre except for the dual-purpose trials at El Reno and Walters, which were sown at 120 lbs/ac. Grazing intensity, nitrogen fertilization and insect and weed control decisions were made on a location-by-location basis and reflect standard management practices for the area. In general, the spring-applied nitrogen (N) rate was calculated for a 70 bu/ac yield goal for the standard management trials and 100 bu/ac yield goal for the intensive management trials.

Plots were harvested with a Winterstieger Delta small plot combine. Grain weight, test weight, protein concentration and moisture content were collected from each plot, and grain yields and protein concentration were corrected to 12% moisture content. Grain moisture at all sites was generally below 12%, and maximum and minimum grain moisture for all plots at a location typically ranged no more than 2%.

Poor germination and uneven stands prevented harvest of the Chickasha intensive/standard management and El Reno grain-only trials, as it would compromise variety comparisons.

Data Interpretation

Yield, test weight and protein data for each location and regional summary were analyzed using the appropriate statistical methods. At the bottom of each table, the mean and least significant difference (LSD) values are reported. The LSD is a test statistic that aids in determining whether there is a true difference in yield, test weight and protein. In this report, one can be 95% confident that the difference between two varieties is real if the difference is greater than the LSD value. Data that is not significantly different is indicated by “NS”. For example, if the LSD value is 4 bu/ac in a trial where Variety A yielded 30 bu/ac and Variety B yielded 25, then

Variety A would be considered to have a statistically higher yield. However, if Variety C yielded 27 bu/ac, then Variety A and Variety C would be considered to have a similar yield. In that same example trial, there is a 5% chance that the 4-bu/ac difference between Variety A and Variety B does not truly exist, but random chance caused the 5-bushel difference. These chance factors may include differences in fertility, moisture availability and diseases. To aid in visualizing the varieties with the highest yields, test weights and proteins, values highlighted in gray do not differ statistically from the highest value within a column. The performance of a variety may vary from year-to-year, even at the same location. Tests over two or more years and over multiple locations more accurately predict the performance of a variety.

Additional Information on the Web

A copy of this publication as well as additional information about wheat management can be found at:

Website: www.wheat.okstate.edu

Blog: www.osuwheat.com



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@OSU Small Grains

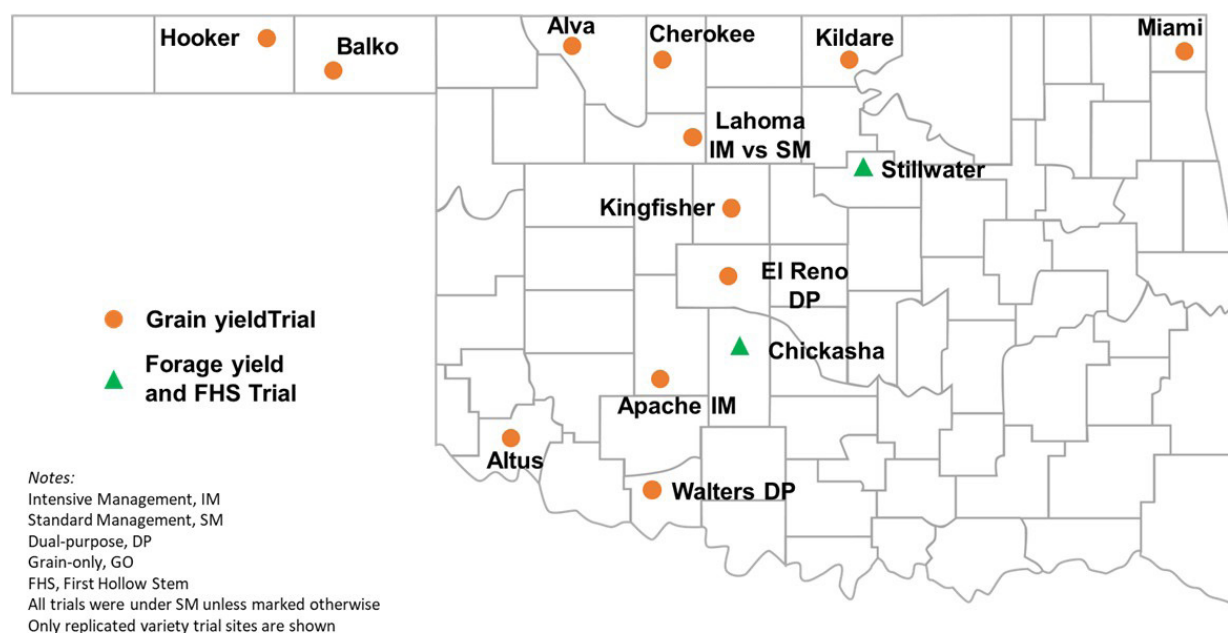


Figure 1. Performance test locations.



Summary of All Individual Locations

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Licensee	Variety	Altus	Alva	Apache IM	Balko	Cherokee	El Reno DP	Hooker
		-- grain yield (bu/ac) --						
AgriMAXX	AM513	--	--	--	--	--	--	--
AgriMAXX	AM514	--	--	--	--	--	--	--
AgriPro	AP Bigfoot	--	--	--	76	27	--	39
AgriPro	AP Prolific	--	58	--	--	46	--	--
AgriPro	AP Roadrunner	58	67	62	77	47	--	48
AgriPro	AP Sunbird	55	61	66a	76	--	41	46
AgriPro	AP24 AX	49	50	63a	82a	33	44	41
AGSECO	AG Golden	65a	70	69a	85a	53a	44	44
AGSECO	AG Radical	--	--	--	--	43	45	--
Armor	AR Iron Eagle 22AX	63a	63	69a	78a	45	43	62a
Armor	AR Turret 25	58	--	68a	66	39	45	35
Becks	722	--	--	--	--	--	--	--
Becks	728	--	--	--	--	--	--	--
Croplan	CP7017AX	64a	59	64a	80a	44	47a	59a
Croplan	CP7462	54	59	60	72	--	33	47
Croplan	CP7869	56	--	63a	67	41	47a	31
KWA	KS Bill Snyder	58	--	60	80a	33	48a	51
KWA	KS Mako	--	54	--	74	40	37	51
KWA	KS Providence	64a	68	71a	--	51	39	--
KWA	KS Territory	--	60	--	78a	37	--	49
LCS	LCS Aries	--	--	--	--	--	--	--
LCS	LCS Atomic AX	52	41	56	65	--	35	44
LCS	LCS Cowie AX	52	36	62	--	--	45	--
LCS	LCS Helix AX	60	--	65a	77	45	39	51
LCS	LCS Julep	52	--	62	--	--	--	--
LCS	LCS Radar	63a	53	60	85a	47	43	46
LCS	LCS Runner	57	59	65a	--	38	40	--
LCS	LCS Steel AX	69a	68	61	--	50	45	--
LCS	LCS Warbird AX	64a	--	58	80a	39	--	48
OGI	Bentley	--	--	--	65	--	--	44
OGI	Breakthrough	--	--	--	75	--	--	45
OGI	Butler's Gold	41	--	43	--	--	--	--
OGI	Butler's Gold (Late Planted)	47	--	53	--	--	--	--
OGI	Doublestop CL+	53	55	55	65	42	52a	27
OGI	Firebox	54	29	57	--	18	32	--
OGI	Gallagher	50	62	56	66	46	39	25
OGI	Green Hammer	53	62	58	--	35	37	--
OGI	High Cotton	53	66	67a	65	35	41	39

OGL	Iba	--	--	--	68	--	--	42
OGL	OK Corral	57	66	57	61	45	42	30
OGL	Orange Blossom CL+	58	53	55	62	37	45	45
OGL	Paradox	53	66	59	67	42	42	18
OGL	Scab Stryker	--	--	--	--	--	--	--
OGL	Showdown	62a	70	66a	76	51	53a	49
OGL	Smith's Gold	54	58	62	69	54a	37	35
OGL	Strad CL+	54	60	65a	--	40	34	--
OGL	Uncharted	51	55	61	--	--	44	--
Pioneer	25R65	--	--	--	--	--	--	--
Pioneer	25R76	--	--	--	--	--	--	--
PlainsGold	Canvas	63a	83a	65a	81a	60a	46a	49
PlainsGold	Crescent AX	56	61	65a	--	49	47a	--
PlainsGold	Kivari AX	61	68	73a	--	46	45	--
PlainsGold	Sheridan	65a	--	61	75	33	--	50
Watley	TAM 112	--	--	--	69	--	--	50
Watley	TAM 115	--	--	--	73	--	--	37
Watley	TAM 204	--	--	--	72	--	--	40
Westbred	WB4347	70a	--	65a	80a	55a	50a	52
Westbred	WB4422	67a	50	70a	78a	33	45	53
Westbred	WB4445CLP	63a	54	61	77	--	--	48
Westbred	WB4792	58	69	51	74	49	44	49
Experimentals								
OSU	OCW03S580S-8WF	--	--	--	--	--	--	--
OSU	OK20056CF-10C24	--	--	--	--	--	--	--
OSU	OK20061CF-7C24	--	--	--	--	--	--	--
OSU	OK20708	60	57	65a	64	39	35	31
OSU	OK21424F	--	--	--	--	--	--	--
OSU	OK21428F	--	--	--	--	--	--	--
OSU	OK2189178WF	--	--	--	--	--	--	--
OSU	OK21DTR1705-91	--	58	--	--	--	--	--
OSU	OK23D89076X	60	--	60	71	38	44	42
PlainsGold	CO18042RA	55	47	--	--	--	53a	--
PlainsGold	CO19D087R	65a	59	68a	83a	42	40	62a
Mean		58	59	62	73	42	43	44
LSD (0.05)		8	7	10	7	7	7	8

Note: Grain yield was adjusted to 12% moisture content. a: Shaded values are not statistically different from the highest value within a column. Double-dashes "--" = data not available.



Summary of All Individual Locations

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Licensee	Variety	Kildare	Kingfisher	Lahoma SM	Lahoma IM	Miami SW	Walters DP
		-- grain yield (bu/ac) --					
AgriMAXX	AM513	--	--	--	--	43	--
AgriMAXX	AM514	--	--	--	--	50a	--
AgriPro	AP Bigfoot	50	--	67	91	--	--
AgriPro	AP Prolific	59a	--	64	90	--	--
AgriPro	AP Roadrunner	49	--	66	86	--	17
AgriPro	AP Sunbird	49	36	72a	104a	--	13
AgriPro	AP24 AX	--	38a	71a	92	--	17
AGSECO	AG Golden	--	33	59	79	--	21a
AGSECO	AG Radical	55	32	66	84	--	--
Armor	AR Iron Eagle 22AX	--	29	66	84	--	21a
Armor	AR Turret 25	54	21	57	77	--	23a
Becks	722	--	--	--	--	47a	--
Becks	728	--	--	--	--	50a	--
Croplan	CP7017AX	42	32	60	90	--	21a
Croplan	CP7462	35	--	68	92	--	17
Croplan	CP7869	53	23	60	80	--	23a
KWA	KS Bill Snyder	65a	45a	74a	97a	--	19
KWA	KS Mako	46	42a	69	92	--	--
KWA	KS Providence	56	42a	68	89	--	19
KWA	KS Territory	--	--	75a	88	--	--
LCS	LCS Aries	--	37	--	--	--	--
LCS	LCS Atomic AX	52	34	63	85	--	14
LCS	LCS Cowie AX	51	--	72a	90	--	20
LCS	LCS Helix AX	52	39a	69	96	--	16
LCS	LCS Julep	--	--	--	--	--	19
LCS	LCS Radar	59a	40a	70	82	--	18
LCS	LCS Runner	--	33	65	90	--	18
LCS	LCS Steel AX	--	38a	78a	91	--	25a
LCS	LCS Warbird AX	53	33	67	91	--	20
OGI	Bentley	--	--	--	--	--	--
OGI	Breakthrough	--	--	--	--	--	--
OGI	Butler's Gold	--	--	--	--	--	10
OGI	Butler's Gold (Late Planted)	--	--	--	--	--	--
OGI	Doublestop CL+	54	39a	60	77	--	18
OGI	Firebox	--	31	61	78	--	18
OGI	Gallagher	42	21	55	86	--	21a
OGI	Green Hammer	59a	40a	67	86	--	16
OGI	High Cotton	45	35	70	86	--	17

OGL	Iba	--	--	--	--	--	--
OGL	OK Corral	52	28	62	84	--	15
OGL	Orange Blossom CL+	66a	39a	73a	83	--	18
OGL	Paradox	32	19	55	83	--	14
OGL	Scab Stryker	47	--	--	--	--	--
OGL	Showdown	69a	37	66	91	--	24a
OGL	Smith's Gold	43	22	61	83	--	24a
OGL	Strad CL+	49	29	62	88	--	14
OGL	Uncharted	60a	--	51	66	--	20
Pioneer	25R65	--	--	--	--	26	--
Pioneer	25R76	--	--	--	--	43	--
PlainsGold	Canvas	44	17	65	86	--	21a
PlainsGold	Crescent AX	51	31	75a	94	--	13
PlainsGold	Kivari AX	51	28	73a	96	--	15
PlainsGold	Sheridan	46	23	65	85	--	23a
Watley	TAM 112	--	--	--	--	--	--
Watley	TAM 115	--	--	--	--	--	--
Watley	TAM 204	--	--	--	--	--	--
Westbred	WB4347	55	21	66	87	--	20
Westbred	WB4422	53	37	74a	92	--	19
Westbred	WB4445CLP	65a	30	64	88	--	21a
Westbred	WB4792	--	22	64	83	--	26a
Experimentals							
OSU	OCW03S580S-8WF	--	--	--	--	37	--
OSU	OK20056CF-10C24	--	--	--	--	32	--
OSU	OK20061CF-7C24	--	--	--	--	34	--
OSU	OK20708	52	31	67	95	--	19
OSU	OK21424F	--	--	--	--	48a	--
OSU	OK21428F	--	--	--	--	32	--
OSU	OK2189178WF	--	--	--	--	57a	--
OSU	OK21DTR1705-91	45	28	71a	88	--	--
OSU	OK23D89076X	56	--	68	88	--	19
PlainsGold	CO18042RA	44	32	65	92	--	16
PlainsGold	CO19D087R	--	--	66	84	--	18
Mean		51	32	66	87	42	19
LSD (0.05)		10	7	7	7	10	5

Note: Grain yield was adjusted to 12% moisture content. a: Shaded values are not statistically different from the highest value within a column. Double-dashes "--" = data not available.



Altus Wheat Variety Trial

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Cooperator: OSU Southwest Res. & Ext. Center
Planting & harvest dates: 10/21/2024 & 6/12/2025
Management: Grain-only, conventional tillage
Seeding rate: 60 lbs/acre
Nitrogen: 6 lbs/ac 10-34-0 at planting and 92 lbs/ac as urea on 2/6/2025
Fungicide: none

Extension Educator: Halee Salmon
Previous crop: Wheat
Soil Type: Hollister silt clay loam
Soil test: pH= 6.7, N= 45, P= 67, K= 952

Licensee	Variety	Grain Yield			Test Weight	Protein
		2024-2025	2-Year	3-Year		
		-- bu/ac --			-- lb/bu --	-- % --
Westbred	WB4347	70a	--	--	58.3a	14.6
LCS	LCS Steel AX	69a	46	44	56.7	14.8
Westbred	WB4422	67a	46	47a	58.1a	14.5
AGSECO	AG Golden	65a	50a	48a	56.0	14.0
PlainsGold	Sheridan	65a	--	--	57.2a	14.4
KWA	KS Providence	64a	54a	50a	57.7a	14.4
LCS	LCS Warbird AX	64a	54a	--	57.3a	15.4
Croplan	CP7017AX	64a	48a	49a	58.1a	13.7
Armor	AR Iron Eagle 22AX	63a	48a	--	57.4a	13.7
LCS	LCS Radar	63a	50a	--	57.2a	14.6
PlainsGold	Canvas	63a	50a	50a	57.0	14.0
Westbred	WB4445CLP	63a	--	--	57.4a	14.6
OGL	Showdown	62a	53a	51a	57.0	13.8
PlainsGold	Kivari AX	61	43	43	55.9	13.9
LCS	LCS Helix AX	60	48a	48a	57.4a	14.3
Armor	AR Turret 25	58	49a	--	57.5a	14.3
Westbred	WB4792	58	47a	47a	57.3a	14.1
AgriPro	AP Roadrunner	58	49a	--	56.1	14.1
OGL	Orange Blossom CL+	58	53a	--	58.1a	15.5
KWA	KS Bill Snyder	58	--	--	57.1	14.5
LCS	LCS Runner	57	41	--	56.9	13.6
OGL	OK Corral	57	53a	48a	54.6	13.7
PlainsGold	Crescent AX	56	44	45a	56.9	14.5
Croplan	CP7869	56	49a	--	56.4	14.0
AgriPro	AP Sunbird	55	35	--	57.0	14.2
OGL	Strad CL+	54	47a	46a	57.3a	15.6
OGL	Smith's Gold	54	46	43	57.0	14.3
Croplan	CP7462	54	--	--	55.7	13.8
OGL	Firebox	54	47a	47a	58.3a	14.6
OGL	High Cotton	53	48a	48a	57.6a	14.4
OGL	Doublestop CL+	53	45	46a	57.6a	15.5
OGL	Green Hammer	53	43	45a	58.1a	15.8

OGI	Paradox	53	47a	43	56.3	14.4
LCS	LCS Julep	52	32	36	55.3	14.8
LCS	LCS Atomic AX	52	43	47a	57.4a	14.3
LCS	LCS Cowie AX	52	--	--	56.8	14.6
OGI	Uncharted	51	42	42	56.3	14.4
OGI	Gallagher	50	40	40	55.8	14.3
AgriPro	AP24 AX	49	41	--	54.8	14.1
OGI	Butler's Gold (Late Planted)	47	36	36	57.6a	16.6a
OGI	Butler's Gold	41	--	--	57.0	16.4a
Experimentals						
PlainsGold	CO19D087R	65a	--	--	55.1	14.6
OSU	OK20708	60	49a	--	57.3a	14.4
OSU	OK23D89076X	60	--	--	57.8a	13.7
PlainsGold	CO18042RA	55	--	--	56.0	14.1
Mean		58	46	45	56.9	14.5
LSD (0.05)		8	7	6	1.1	0.5

Note: Grain yield and protein concentration were adjusted to 12% moisture content. a: Shaded values are not statistically different from the highest value within a column. Average grain moisture at harvest was 14.6%. Double-dashes "--" = data not available.



Alva Wheat Variety Trial

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Cooperator: Joe Shirley
Planting & harvest dates: 10/04/2024 & 6/24/2025
Management: Grain-only, conventional tillage
Seeding rate: 60 lbs/acre
Nitrogen: 6 lbs/ac as 10-34-0 at planting, 60 lbs/ac on 01/05/2025 and 30 lbs/ac on 03/01/2025, both as UAN.
Fungicide: none

Extension Educator: Katherine Barger
Previous crop: Wheat
Soil Type: Bethany silt loam
Soil test: pH= 6.4, N= 66, P= 46, K= 682

Licensee	Variety	Grain Yield			Test Weight	Protein
		2024-2025	2-Year	3-Year		
		-- bu/ac --			-- lb/bu --	-- % --
PlainsGold	Canvas	83a	60a	53a	62.0	12.1
AGSECO	AG Golden	70	56a	48a	59.5	11.9
OGI	Showdown	70	55a	49a	60.1	12.4
Westbred	WB4792	69	54a	47	63.8a	13.1
KWA	KS Providence	68	54a	48a	59.5	13.2
PlainsGold	Kivari AX	68	--	--	60.2	12.0
LCS	LCS Steel AX	68	--	--	59.6	11.8
AgriPro	AP Roadrunner	67	--	--	59.5	13.1
OGI	OK Corral	66	55a	46	59.7	12.3
OGI	High Cotton	66	52	45	61.7	13.6
OGI	Paradox	66	53a	46	59.9	12.1
Armor	AR Iron Eagle 22AX	63	--	--	62.1	11.9
OGI	Green Hammer	62	50	43	60.3	14.4
OGI	Gallagher	62	51	45	60.5	12.7
PlainsGold	Crescent AX	61	51	44	60.6	12.2
AgriPro	AP Sunbird	61	--	--	61.8	12.1
OGI	Strad CL+	60	49	44	60.4	14.8a
KWA	KS Territory	60	--	--	59.9	13.0
Croplan	CP7462	59	--	--	59.3	12.7
LCS	LCS Runner	59	--	--	61.4	12.0
Croplan	CP7017AX	59	50	44	61.4	12.1
OGI	Smith's Gold	58	49	42	63.0	13.0
AgriPro	AP Prolific	58	--	--	59.7	13.4
OGI	Doublestop CL+	55	47	43	61.7	15.4a
OGI	Uncharted	55	--	--	60.4	14.2
Westbred	WB4445CLP	54	--	--	61.1	13.7
KWA	KS Mako	54	--	--	61.4	13.1
OGI	Orange Blossom CL+	53	--	--	62.7	14.4
LCS	LCS Radar	53	--	--	61.0	13.3
Westbred	WB4422	50	--	--	62.3	13.3
AgriPro	AP24 AX	50	--	--	59.7	11.9

LCS	LCS Atomic AX	41	42	36	61.3	12.2
LCS	LCS Cowie AX	36	--	--	61.4	12.6
OGI	Firebox	29	33	32	61.5	13.9
Experimentals						
PlainsGold	CO19D087R	59	--	--	60.3	11.9
OSU	OK21DTR1705-91	58	--	--	61.0	13.4
OSU	OK20708	57	48	--	60.9	13.2
PlainsGold	CO18042RA	47	--	--	61.8	12.1
Mean		59	51	44	60.9	12.9
LSD (0.05)		7	7	5	0.7	0.6

Note: Grain yield and protein concentration were adjusted to 12% moisture content. a: Shaded values are not statistically different from the highest value within a column. Double-dashes "--" = data not available.



Apache Intensive Wheat Management Variety Trial

wheat.okstate.edu

Cooperator: Bryan Vail Planting & harvest dates: 10/21/2024 & 6/14/2025 Management: Grain-only, conventional tillage Seeding rate: 1.2 million seeds/acre Nitrogen: 6 lbs/ac 10-34-0 at planting and 70 lbs/ac on 1/31/2025 Fungicide: 4 fl oz/ac of Tebucure 3.6 at jointing on 03/25/2025 and 10.5 fl oz/ac of Microp at flag leaf on 4/10/2025				Extension Educator: Quentin Scott Previous crop: Wheat Soil Type: Hollister silt clay loam Soil test: pH= 6.7, N= 45, P= 67, K= 952		
Licensee	Variety	Grain Yield			Test Weight	Protein
		2024-2025	2-Year	3-Year		
		-- bu/ac --			-- lb/bu --	-- % --
PlainsGold	Kivari AX	73a	71a	--	57.2a	14.0
KWA	KS Providence	71a	67a	71a	56.1	14.7
Westbred	WB4422	70a	--	--	56.7a	15.4
Armor	AR Iron Eagle 22AX	69a	--	--	57.6a	13.9
AGSECO	AG Golden	69a	70a	72a	55.0	13.5
Armor	AR Turret 25	68a	--	--	56.3	14.5
OGL	High Cotton	67a	68a	72a	58.1a	13.6
OGL	Showdown	66a	66a	71a	57.1a	14.0
AgriPro	AP Sunbird	66a	--	--	57.3a	14.0
PlainsGold	Crescent AX	65a	--	--	58.7a	13.9
LCS	LCS Runner	65a	--	--	57.3a	13.7
LCS	LCS Helix AX	65a	--	--	58.2a	15.0
PlainsGold	Canvas	65a	70a	72a	56.7a	13.8
OGL	Strad CL+	65a	62	64	56.5	15.2
Westbred	WB4347	65a	--	--	58.4a	14.1
Croplan	CP7017AX	64a	67a	70a	57.3a	13.8
Croplan	CP7869	63a	63	--	55.6	15.0
AgriPro	AP24 AX	63a	--	--	53.9	14.6
LCS	LCS Julep	62	--	--	57.1a	15.5
LCS	LCS Cowie AX	62	--	--	56.5	14.5
AgriPro	AP Roadrunner	62	66a	--	54.6	13.7
OGL	Smith's Gold	62	61	63	57.9a	14.0
PlainsGold	Sheridan	61	--	--	56.1	14.1
Westbred	WB4445CLP	61	--	--	56.2	14.7
OGL	Uncharted	61	62	66	55.5	14.8
LCS	LCS Steel AX	61	--	--	53.7	14.2
KWA	KS Bill Snyder	60	--	--	56.3	14.0
Croplan	CP7462	60	--	--	56.3	13.7
LCS	LCS Radar	60	--	--	54.9	14.9
OGL	Paradox	59	64	67a	54.9	13.4
OGL	Green Hammer	58	59	63	56.9a	15.5

LCS	LCS Warbird AX	58	--	--	56.1	14.7
OGL	Firebox	57	56	63	58.2a	15.3
OGL	OK Corral	57	58	61	54.4	14.5
LCS	LCS Atomic AX	56	58	63	57.0a	14.6
OGL	Gallagher	56	61	64	55.3	14.5
OGL	Doublestop CL+	55	57	63	57.0	16.7a
OGL	Orange Blossom CL+	55	58	--	56.0	15.5
OGL	Butler's Gold (Late Planted)	53	54	49	58.4a	15.2
Westbred	WB4792	51	--	--	55.3	14.5
OGL	Butler's Gold	43	--	--	54.7	17.0a
Experimentals						
PlainsGold	CO19D087R	68a	--	--	56.4	13.8
OSU	OK20708	65a	65a	--	54.3	14.3
OSU	OK23D89076X	60	--	--	56.9a	13.8
Mean		62	63	66	56.4	14.5
LSD (0.05)		10	6	5	2.0	1.1

Note: Grain yield and protein concentration were adjusted to 12% moisture content. a: Shaded values are not statistically different from the highest value within a column. Butler's Gold late planted was planted on 11/15/2024. Leaf rust fungal disease was observed at a low pressure and severity. Double-dashes "--" = data not available.



Balko Wheat Variety Trial

wheat.okstate.edu

Cooperator: Kenton Patzkowski Planting & harvest dates: 09/28/2024 & 6/27/2025 Management: Grain-only, conventional tillage Seeding rate: 45 lbs/acre Nitrogen: 6 lbs/ac as 10-34-0 at planting and 33 lbs/ac on 02/28/25 as 28-0-0 Fungicide: none			Extension Educator: Loren Sizelove Previous crop: fallow Soil Type: Dale silt loam Soil test: pH= 7.3, N= 95, P= 67, K= 1036		
--	--	--	---	--	--

Licensee	Variety	Grain Yield			Test Weight	Protein
		2024-2025	2-Year	3-Year		
		-- bu/ac --			-- lb/bu --	-- % --
AGSECO	AG Golden	85a	67a	63a	56.2	9.4
LCS	LCS Radar	85a	--	--	58.0	10.2
AgriPro	AP24 AX	82a	--	--	55.1	9.3
PlainsGold	Canvas	81a	61	57	57.9	9.3
Croplan	CP7017AX	80a	70a	64a	57.3	9.4
LCS	LCS Warbird AX	80a	--	--	57.6	9.8
KWA	KS Bill Snyder	80a	--	--	57.9	10.1
Westbred	WB4347	80a	--	--	57.9	9.6
Westbred	WB4422	78a	64a	--	57.9	9.6
KWA	KS Territory	78a	--	--	57.7	9.5
Armor	AR Iron Eagle 22AX	78a	--	--	57.3	9.5
Westbred	WB4445CLP	77	--	--	57.5	10.1
LCS	LCS Helix AX	77	--	--	57.5	9.4
AgriPro	AP Roadrunner	77	56	--	54.8	10.1
AgriPro	AP Sunbird	76	--	--	56.5	9.5
AgriPro	AP Bigfoot	76	--	--	56.8	10.3
OGL	Showdown	76	65a	61a	56.1	9.5
PlainsGold	Sheridan	75	--	--	57.9	10.1
OGL	Breakthrough	75	57	50	57.7	10.2
KWA	KS Mako	74	--	--	58.3	10.0
Westbred	WB4792	74	64a	64a	58.2	9.6
Watley	TAM 115	73	59	56	60.0a	10.0
Watley	TAM 204	72	--	--	55.4	10.6
Croplan	CP7462	72	--	--	57.6	10.8
Watley	TAM 112	69	--	--	58.3	9.7
OGL	Smith's Gold	69	52	50	57.8	10.0
OGL	Iba	68	45	43	57.8	10.1
Croplan	CP7869	67	--	--	57.0	10.2
OGL	Paradox	67	51	50	54.5	10.0
Armor	AR Turret 25	66	--	--	56.9	9.9
OGL	Gallagher	66	49	49	55.9	10.4
OGL	Doublestop CL+	65	46	--	59.5a	11.8a

LCS	LCS Atomic AX	65	49	46	57.0	9.6
OGI	Bentley	65	60	56	55.1	10.6
OGI	High Cotton	65	50	49	57.8	10.5
OGI	Orange Blossom CL+	62	51	--	58.1	11.2
OGI	OK Corral	61	48	47	56.8	11.1
Experimentals						
PlainsGold	CO19D087R	83a	--	--	55.9	9.2
OSU	OK23D89076X	71	--	--	59.0	9.7
OSU	OK20708	64	52	--	55.7	10.5
Mean		73	56	54	57.2	10.0
LSD (0.05)		7	7	6	0.7	0.5

Note: Grain yield and protein concentration were adjusted to 12% moisture content. a: Shaded values are not statistically different from the highest value within a column. Double-dashes "--" = data not available.



Cherokee Wheat Variety Trial

wheat.okstate.edu

Cooperator: Kenneth Failes
Planting & harvest dates: 10/04/2024 & 6/24/2025
Management: Grain-only, conventional tillage
Seeding rate: 60 lbs/acre
Nitrogen: 6 lbs/ac as 10-34-0 at planting
Fungicide: none

Extension Educator: Erin Metcalf
Previous crop: Wheat
Soil Type: Dale silt loam
Soil test: pH= 6.0, N= 141, P= 63, K= 594

Licensee	Variety	Grain Yield			Test Weight	Protein	Shattering	Lodging
		2024-2025	2-Year	3-Year				
		-- bu/ac --			-- lb/bu --	-- % --	-- % --	score
PlainsGold	Canvas	60a	60a	55a	60.9	10.2	10	2
Westbred	WB4347	55a	--	--	60.7	10.4	10	3
OGI	Smith's Gold	54a	48	46	61.1	10.7	5	3
AGSECO	AG Golden	53a	--	--	56.6	9.9	15	1
OGI	Showdown	51	60a	53a	58.4	10.4	15	1
KWA	KS Providence	51	51	50a	57.9	11.4	15	1
LCS	LCS Steel AX	50	47	--	57.4	10.0	20	1
PlainsGold	Crescent AX	49	48	47	59.7	10.5	10	3
Westbred	WB4792	49	50	47	62.3a	11.2	10	1
AgriPro	AP Roadrunner	47	--	--	58.2	10.4	10	2
LCS	LCS Radar	47	--	--	60.4	11.0	15	1
PlainsGold	Kivari AX	46	--	--	58.0	10.8	10	3
AgriPro	AP Prolific	46	48	--	58.0	11.4	15	1
OGI	Gallagher	46	39	38	57.8	10.5	10	1
LCS	LCS Helix AX	45	46	43	59.8	10.9	20	2
Armor	AR Iron Eagle 22AX	45	--	--	59.6	10.4	35	2
OGI	OK Corral	45	42	40	57.1	10.2	5	4
Croplan	CP7017AX	44	47	46	59.1	10.2	20	2
AGSECO	AG Radical	43	53a	48a	58.2	10.7	15	3
OGI	Paradox	42	39	40	56.5	10.3	5	2
OGI	Doublestop CL+	42	41	42	59.8	12.5a	10	1
Croplan	CP7869	41	--	--	58.6	11.6	20	2
OGI	Strad CL+	40	36	38	58.2	12.3a	5	2
KWA	KS Mako	40	--	--	59.7	10.7	30	1
LCS	LCS Warbird AX	39	--	--	60.0	10.9	20	1
Armor	AR Turret 25	39	--	--	58.5	11.1	25	1
LCS	LCS Runner	38	--	--	60.1	10.9	10	2
OGI	Orange Blossom CL+	37	44	--	60.1	11.7	20	2
KWA	KS Territory	37	--	--	58.5	10.8	15	1
OGI	High Cotton	35	39	37	58.7	11.9a	10	1
OGI	Green Hammer	35	42	40	58.9	12.7a	5	3
KWA	KS Bill Snyder	33	--	--	59.0	11.2	30	0

AgriPro	AP24 AX	33	--	--	57.5	10.3	25	1
PlainsGold	Sheridan	33	--	--	60.6	10.7	30	2
Westbred	WB4422	33	41	40	60.2	10.7	30	2
AgriPro	AP Bigfoot	27	--	--	59.5	12.0a	20	1
OGL	Firebox	18	--	--	59.4	11.2	25	2
Experimentals								
PlainsGold	CO19D087R	42	--	--	57.4	10.4	5	3
OSU	OK20708	39	37	--	58.0	11.2	15	0
OSU	OK23D89076X	38	--	--	60.3	11.2	40	2
Mean		42	46	44	59.0	10.9	17	2
LSD (0.05)		7	8	6	1.0	0.9	--	--

Note: Grain yield and protein concentration were adjusted to 12% moisture content. Lodging and shattering data were collected at harvest. Lodging was rated on a scale from 0 to 5, where 0 indicates no lodging and 5 indicates severe lodging across the entire plot. Average shattering ratings were measured on a scale from 0 to 100%, with 0 indicating no shattering. High wheat streak mosaic virus (WSMV) pressure was observed in Paradox. a: Shaded values are not statistically different from the highest value within a column. Double-dashes "--" = data not available.



El Reno Dual-Purpose Wheat Variety Trial

wheat.okstate.edu

Cooperator: Jerry Lingo
Planting & harvest dates: 09/26/2024 & 06/24/2025
Management: Dual-purpose, conventional tillage
Seeding rate: 120 lbs/ac
Nitrogen: 6 lbs/ac 10-34-0 at planting and 90 lbs/ac on 03/13/25
Fungicide: none

Extension Educator: Kyle Worthington
Previous crop: wheat
Soil Type: Bethany silt loam
Soil test: pH=5.6, N=18, P=94, K=348

Licensee	Variety	Grain Yield			Test Weight	Wheat Protein
		2024-2025	2-Year	3-Year		
		-- bu/ac --			-- lb/bu --	-- % --
OGI	Showdown	53a	47a	54a	55.4	11.8
OGI	Doublestop CL+	52a	43a	50a	59.2a	13.1a
Westbred	WB4347	50a	--	--	57.1	11.5
KWA	KS Bill Snyder	48a	--	--	54.7	11.7
PlainsGold	Crescent AX	47a	41a	48	55.8	11.3
Croplan	CP7017AX	47a	--	--	55.6	11.7
Croplan	CP7869	47a	--	--	55.2	11.7
PlainsGold	Canvas	46a	--	--	55.1	11.8
LCS	LCS Steel AX	45	--	--	53.7	11.5
LCS	LCS Cowie AX	45	--	--	56.9	11.8
OGI	Orange Blossom CL+	45	38	--	58.9a	12.5
Westbred	WB4422	45	36	46	54.5	12.0
Armor	AR Turret 25	45	--	--	55.5	11.8
AGSECO	AG Radical	45	37	46	54.7	12.2
PlainsGold	Kivari AX	45	37	--	53.6	11.1
AGSECO	AG Golden	44	--	--	52.6	12.0
Westbred	WB4792	44	--	--	56.9	11.6
AgriPro	AP24 AX	44	--	--	53.8	12.1
OGI	Uncharted	44	41a	48	57.2	12.4
LCS	LCS Radar	43	--	--	55.5	12.6
Armor	AR Iron Eagle 22AX	43	--	--	56.1	11.5
OGI	OK Corral	42	40	43	51.8	12.2
OGI	Paradox	42	37	45	53.2	12.2
OGI	High Cotton	41	42a	51a	56.8	12.2
AgriPro	AP Sunbird	41	--	--	55.6	11.6
LCS	LCS Runner	40	--	--	55.2	11.5
OGI	Gallagher	39	35	43	52.8	12.4
KWA	KS Providence	39	35	--	52.8	12.8
LCS	LCS Helix AX	39	--	--	57.3	11.8
KWA	KS Mako	37	--	--	55.2	12.1
OGI	Smith's Gold	37	38	42	55.1	12.2
OGI	Green Hammer	37	33	43	56.8	13.0

LCS	LCS Atomic AX	35	33	41	57.3	11.9
OGL	Strad CL+	34	30	38	55.8	13.5a
Croplan	CP7462	33	--	--	52.0	12.5
OGL	Firebox	32	35	43	58.0a	12.8
Experimentals						
PlainsGold	CO18042RA	53a	--	--	57.2	11.9
OSU	OK23D89076X	44	--	--	55.3	12.0
PlainsGold	CO19D087R	40	--	--	54.8	11.8
OSU	OK20708	35	34	--	54.6	12.4
Mean		43	37	45	55.4	12.0
LSD (0.05)		7	6	5	1.8	0.4

Note: Grain yield and protein concentration were adjusted to 12% moisture content. a: Shaded values are not statistically different from the highest value within a column. Plots were grazed from December 17 to March 12, 2025, at an stocking rate of 243 pounds of animal BW per acre. Double-dashes "--" = data not available.



Hooker Wheat Variety Trial

wheat.okstate.edu

Cooperator: Dan Herald Planting & harvest dates: 09/28/2024 & 6/27/2025 Management: Grain-only, no-till Seeding rate: 45 lbs/acre Nitrogen: 6 lbs/ac as 10-34-0 at planting and 60 lbs/ac on 03/20/25 Fungicide: none			Extension Educator: Dr. Britt Hicks Previous crop: Sorghum Soil Type: Dalhart fine sandy loam Soil test: pH= 7.3, N= 75, P= 219, K= 770		
--	--	--	--	--	--

Licensee	Variety	Grain Yield			Test Weight	Protein
		2024-2025	2-Year	3-Year*		
		-- bu/ac --			-- lb/bu --	-- % --
Armor	AR Iron Eagle 22AX	62a	72a	--	53.6	14.1
Croplan	CP7017AX	59a	70a	52a	54.1	14.5
Westbred	WB4422	53	68a	51a	53.8	15.9
Westbred	WB4347	52	--	--	54.7a	13.3
KWA	KS Bill Snyder	51	--	--	54.8a	13.7
KWA	KS Mako	51	68a	--	54.1	14.2
LCS	LCS Helix AX	51	71a	52a	54.1	13.4
Watley	TAM 112	50	68a	--	53.7	16.2
PlainsGold	Sheridan	50	--	--	53.7	15.9
KWA	KS Territory	49	--	--	54.7a	14.4
PlainsGold	Canvas	49	69a	52a	52.8	15.3
Westbred	WB4792	49	70a	51a	55.7a	15.6
OGL	Showdown	49	68a	51a	52.4	15.1
Westbred	WB4445CLP	48	--	--	53.4	14.3
LCS	LCS Warbird AX	48	67a	--	53.9	13.9
AgriPro	AP Roadrunner	48	66a	49a	49.2	16.2
Croplan	CP7462	47	--	--	51.2	15.1
AgriPro	AP Sunbird	46	66a	--	53.2	14.4
LCS	LCS Radar	46	68a	--	53.7	15.1
OGL	Breakthrough	45	65a	--	54.1	14.8
OGL	Orange Blossom CL+	45	57	--	54.9a	17.1a
OGL	Bentley	44	62	47a	51.1	16.6a
LCS	LCS Atomic AX	44	56	41	53.6	14.7
AGSECO	AG Golden	44	69a	54a	49.0	16.2
OGL	Iba	42	60	45	54.4	13.9
AgriPro	AP24 AX	41	62	--	48.9	15.3
Watley	TAM 204	40	58	--	49.8	16.3
OGL	High Cotton	39	56	--	52.3	15.5
AgriPro	AP Bigfoot	39	57	--	53.0	15.6
Watley	TAM 115	37	57	--	53.2	16.4
OGL	Smith's Gold	35	50	39	53.2	17.4a
Armor	AR Turret 25	35	61	--	52.6	17.4a

Croplan	CP7869	31	59	--	52.6	15.5
OGI	OK Corral	30	55	42	52.5	16.4
OGI	Doublestop CL+	27	48	--	53.3	18.4a
OGI	Gallagher	25	50	40	50.5	16.6a
OGI	Paradox	18	46	--	48.7	17.2a
Experimentals						
PlainsGold	CO19D087R	62a	--	--	52.3	14.7
OSU	OK23D89076X	42	--	--	53.7	15.4
OSU	OK20708	31	52	--	50.7	17.0a
Mean		44	62	48	52.8	15.5
LSD (0.05)		8	7	7	1.1	1.8

Note: Grain yield and protein concentration were adjusted to 12% moisture content. * Three-year yield comparison includes 2025-2024, 2024-2023, and 2022-2021 growing seasons. Data from 2023-2022 is excluded due to the trial not being harvested as a result of extreme drought conditions. a: Shaded values are not statistically different from the highest value within a column. Double-dashes "--" = data not available.



Kildare Wheat Variety Trial

wheat.okstate.edu

Cooperator: Don Schieber
Planting & harvest dates: 10/24/2024 & 7/11/2025
Management: Grain-only, no-till
Seeding rate: 60 lbs/acre
Nitrogen: 6 lbs/ac as 10-34-0 at planting
Fungicide: none

Extension Educator: MacKinzie Overman
Previous crop: Soybeans
Soil Type: Tabler silt loam
Soil test: pH= 4.4, N= 116, P= 157, K= 456

Licensee	Variety	Grain Yield			Test Weight	Protein
		2024-2025	2-Year	3-Year		
		--- bu/ac --			-- lb/bu --	-- % --
OGL	Showdown	69a	53a	53a	55.4	13.8
OGL	Orange Blossom CL+	66a	49a	--	58.2a	14.9a
KWA	KS Bill Snyder	65a	--	--	53.9	13.4
Westbred	WB4445CLP	65a	--	--	55.6	14.5
OGL	Uncharted	60a	43	43	55.5	14.8a
LCS	LCS Radar	59a	--	--	54.9	14.1
AgriPro	AP Prolific	59a	48a	48a	53.8	13.6
OGL	Green Hammer	59a	48a	48a	56.8a	15.0a
KWA	KS Providence	56	46a	46a	52.4	13.9
AGSECO	AG Radical	55	41	41	54.0	13.4
Westbred	WB4347	55	--	--	54.8	14.3
Armor	AR Turret 25	54	--	--	54.2	13.3
OGL	Doublestop CL+	54	43	43	57.0a	15.8a
Westbred	WB4422	53	--	--	53.2	14.4
LCS	LCS Warbird AX	53	--	--	56.9a	13.9
Croplan	CP7869	53	--	--	53.9	13.7
OGL	OK Corral	52	45a	45a	51.3	14.7
LCS	LCS Atomic AX	52	42	42	55.4	13.4
LCS	LCS Helix AX	52	48a	48a	56.1	14.6
PlainsGold	Crescent AX	51	46a	46a	56.2	14.0
PlainsGold	Kivari AX	51	--	--	52.5	13.2
LCS	LCS Cowie AX	51	--	--	57.4a	14.1
AgriPro	AP Bigfoot	50	--	--	54.5	14.1
AgriPro	AP Sunbird	49	--	--	52.0	13.5
AgriPro	AP Roadrunner	49	40	--	53.2	14.1
OGL	Strad CL+	49	41	41	55.2	14.8a
OGL	Scab Stryker	47	31	31	54.0	14.6
PlainsGold	Sheridan	46	--	--	54.3	14.4
KWA	KS Mako	46	--	--	55.6	13.9
OGL	High Cotton	45	43	43	56.2	14.3
PlainsGold	Canvas	44	43	--	50.9	14.6
OGL	Smith's Gold	43	37	37	55.2	14.1

Croplan	CP7017AX	42	--	--	55.4	13.5
OGI	Gallagher	42	30	30	53.5	15.0a
Croplan	CP7462	35	--	--	50.7	13.9
OGI	Paradox	32	32	32	47.6	14.6
Experimentals						
OSU	OK23D89076X	56	--	--	54.7	13.6
OSU	OK20708	52	48a	--	55.2	14.4
OSU	OK21DTR1705-91	45	--	--	53.5	14.4
PlainsGold	CO18042RA	44	--	--	55.2	14.5
Mean		51	43	42	54.4	14.2
LSD (0.05)		10	8	8	1.9	1.0

Note: Grain yield and protein concentration were adjusted to 12% moisture content. a: Shaded values are not statistically different from the highest value within a column. Double-dashes "--" = data not available.



Kingfisher Grain-only Wheat Variety Trial

wheat.okstate.edu

Cooperator: LJ Reheman
Planting & harvest dates: 12/04/2024 & 6/29/2025
Management: Grain-only, no-till
Seeding rate: 60 lbs/acre
Nitrogen: 6 lbs/ac as 10-34-0 at planting and 70 lbs/ac on 04/01/25 as urea with urease inhibitor
Fungicide: none

Extension Educator: Bryan Kennedy
Previous crop: Wheat
Soil Type: Renfrow clay loam
Soil test: pH= 5.6, N= 9, P= 31, K= 329

Licensee	Variety	Grain Yield		Test Weight	Protein	Lodging	Brackling	Tan Spot
		2024-2025	2-Year					
		-- bu/ac --		-- lb/bu --	-- % --	score	score	score
KWA	KS Bill Snyder	45a	--	55.1a	14.2	1	0	1
KWA	KS Providence	42a	45a	51.4	14.7	2	0	2
KWA	KS Mako	42a	--	54.3	14.6	0	0	2
OGL	Green Hammer	40a	46a	53.7	15.7a	1	0	1
LCS	LCS Radar	40a	--	52.7	15.1	1	1	1
OGL	Orange Blossom CL+	39a	47a	55.9a	15.2	0	0	1
LCS	LCS Helix AX	39a	44a	55.5a	13.7	3	0	2
OGL	Doublestop CL+	39a	44a	55.4a	16.1a	1	0	3
AgriPro	AP24 AX	38a	--	53.1	13.6	2	2	2
LCS	LCS Steel AX	38a	--	52.2	14.4	1	0	2
OGL	Showdown	37	44a	53.1	14.4	1	0	3
Westbred	WB4422	37	36	53.9	14.7	0	0	1
LCS	LCS Aries	37	--	53.7	13.5	2	0	2
AgriPro	AP Sunbird	36	--	54.1	13.8	2	0	4
OGL	High Cotton	35	45a	54.4	14.6	1	2	2
LCS	LCS Atomic AX	34	42a	53.4	13.9	1	0	2
LCS	LCS Runner	33	--	54.1	13.9	0	3	2
LCS	LCS Warbird AX	33	--	54.0	14.7	2	3	3
AGSECO	AG Golden	33	40a	49.9	14.2	0	0	2
Croplan	CP7017AX	32	34	52.1	14.0	1	0	3
AGSECO	AG Radical	32	--	50.7	14.6	1	0	2
OGL	Firebox	31	42a	53.9	15.5a	0	3	2
PlainsGold	Crescent AX	31	38	54.2	13.5	2	4	3
Westbred	WB4445CLP	30	--	52.8	14.6	1	0	4
OGL	Strad CL+	29	42a	54.9a	15.8a	0	3	3
Armor	AR Iron Eagle 22AX	29	--	52.8	14.0	1	0	3
OGL	OK Corral	28	41a	51.7	15.8a	1	2	3
PlainsGold	Kivari AX	28	--	52.7	13.3	3	4	3
Croplan	CP7869	23	--	49.8	15.3a	0	3	2
PlainsGold	Sheridan	23	--	52.0	13.9	0	3	2
Westbred	WB4792	22	35	54.1	13.9	0	2	3

OGI	Smith's Gold	22	34	53.0	15.1	1	3	2
Westbred	WB4347	21	--	52.7	14.7	2	3	4
Armor	AR Turret 25	21	--	49.4	15.6a	0	3	3
OGI	Gallagher	21	36	50.7	15.5a	2	0	3
OGI	Paradox	19	35	48.5	15.7a	1	0	4
PlainsGold	Canvas	17	34	49.6	15.0	0	4	4
Experimentals								
PlainsGold	CO18042RA	32	--	53.5	13.8	2	4	3
OSU	OK20708	31	41a	52.5	15.2	1	0	3
OSU	OK21DTR1705-91	28	--	50.5	15.8a	1	3	4
Mean		32	40	52.8	14.6	1	1	3
LSD (0.05)		7	7	1.4	0.8	--	--	--

Note: Grain yield and protein concentration were adjusted to 12% moisture content. Lodging and brackling data was collected at harvest. Ratings are on a scale from 0 to 5, where 0 indicates no lodging or brackling and 5 indicates severe lodging or brackling across the entire plot. Tan spot rating was collected on 05/25/2025, it was rated on a scale from 0 to 5, where 0 indicates no presence of the disease and 5 indicates severe tan spot infestation across the entire plot. a: Shaded values are not statistically different from the highest value within a column. Double-dashes "--" = data not available.



Lahoma Wheat Variety Trial

wheat.okstate.edu

Cooperator: OSU North Central Research Station
Planting & harvest dates: 10/25/2024 & 06/10/2025
Management: Grain-only, conventional tillage
Seeding rate: 60 lbs/acre
Nitrogen: 6 lbs/ac 10-34-0 at planting and 40 lbs/ac on 2/26/25
Fungicide: none

Extension Educator: Rick Nelson
Previous crop: Austrian winter peas
Soil Type: Pond Creek silt loam
Soil test: pH=4.9, N= 92, P= 150, K= 492

Licensee	Variety	Grain Yield			Test Weight 2024-25	Wheat Protein 2024-25
		2024-25	2-year	3-year		
		-- bu/ac --			-- lb/bu --	-- % --
LCS	LCS Steel AX	78a	74a	70a	57.9	13.4
KWA	KS Territory	75a	--	--	60.2	13.9
PlainsGold	Crescent AX	75a	69a	69a	60.0	13.1
KWA	KS Bill Snyder	74a	--	--	60.1	13.4
Westbred	WB4422	74a	69a	68	59.2	14.4
OGL	Orange Blossom CL+	73a	69a	--	61.6a	15.9
PlainsGold	Kivari AX	73a	71a	71a	58.6	12.5
AgriPro	AP Sunbird	72a	--	--	60.6	12.8
LCS	LCS Cowie AX	72a	--	--	59.9	13.7
AgriPro	AP24 AX	71a	74a	--	57.7	13.6
LCS	LCS Radar	70	72a	--	58.7	14.3
OGL	High Cotton	70	69a	66a	59.6	14.4
KWA	KS Mako	69	67a	--	61.5a	13.6
LCS	LCS Helix AX	69	67a	67a	60.7	13.5
Croplan	CP7462	68	--	--	57.6	13.6
KWA	KS Providence	68	66	70a	55.5	14.6
AgriPro	AP Bigfoot	67	65	63	59.8	13.6
OGL	Green Hammer	67	61	62	59.7	17.1a
LCS	LCS Warbird AX	67	69a	--	59.2	14.2
PlainsGold	CO19D087R	66	--	--	58.4	13.5
Armor	AR Iron Eagle 22AX	66	67a	--	59.5	12.6
Westbred	WB4347	66	--	--	61.6a	13.9
AGSECO	AG Radical	66	61	65	57.1	14.4
OGL	Showdown	66	69	68	57.5	13.7
AgriPro	AP Roadrunner	66	71	--	56.7	14.0
PlainsGold	Canvas	65	70	70	57.8	13.5
PlainsGold	CO18042RA	65	--	--	59.5	13.6
LCS	LCS Runner	65	64	--	59.2	13.5
PlainsGold	Sheridan	65	--	--	59.8	13.6
Westbred	WB4792	64	62	60	62.0	13.1
Westbred	WB4445CLP	64	--	--	57.9	14.3
AgriPro	AP Prolific	64	62	65	57.4	14.5

LCS	LCS Atomic AX	63	64	64	59.4	13.5
OGI	Strad CL+	62	66	62	59.4	15.9
OGI	OK Corral	62	65	63	56.1	14.6
OGI	Firebox	61	62	62	60.5	15.4
OGI	Smith's Gold	61	62	61	60.1	13.9
Croplan	CP7869	60	63	--	58.2	14.4
OGI	Doublestop CL+	60	63	62	60.7	16.7a
Croplan	CP7017AX	60	63	63	59.0	12.9
AGSECO	AG Golden	59	64	65	53.6	13.3
Armor	AR Turret 25	57	61	--	57.4	14.3
OGI	Gallagher	55	65	65	56.6	14.5
OGI	Paradox	55	67a	68a	54.4	14.4
OGI	Uncharted	51	55	53	59.4	15.6
Experimentals						
OSU	OK21DTR1705-91	71a	--	--	58.7	14.6
OSU	OK23D89076X	68	--	--	57.9	13.1
OSU	OK20708	67	73a	--	58.7	14.3
PlainsGold	CO19D087R	66	--	--	58.4	13.5
PlainsGold	CO18042RA	65	--	--	59.5	13.6
Mean		66	66	65	58.8	14.1
LSD (0.05)		7	7	5	1.1	0.4

Note: " Grain yield and protein concentration were adjusted to 12% moisture content. a: Shaded values were not statistically different from the highest value within a column. High wheat streak mosaic virus (WSMV) pressure was observed in Paradox, Gallagher, and AR Turret 25. Double-dashes "--" = data not available."



Lahoma Intensive Wheat Management Variety Trial

wheat.okstate.edu

Cooperator: OSU North Central Research Station Planting & harvest dates: 10/25/2024 & 06/10/2025 Management: Grain-only, conventional tillage Seeding rate: 1.2 million seeds/acre Nitrogen: 6 lbs/ac 10-34-0 at planting, 40 lbs/ac on 2/26/25, 60 lbs/ac on 3/26/25 Fungicide: 16 fl oz/ac, 4 oz Tebucure 3 at flag leaf-emergence stage on 3/26/25, and 13 fl oz/ac Nexicor at flag leaf-boot stage on 4/15/25					Extension Educator: Rick Nelson Previous crop: Austrian winter peas Soil Type: Pond Creek silt loam Soil test: pH=4.9, N= 92, P= 150, K= 492	
Licensee	Variety	Grain Yield			Test Weight 2024-25	Wheat Protein 2024-25
		2024-25	2-year	3-year		
		-- bu/ac --			-- lb/bu --	-- % --
AgriPro	AP Sunbird	104a	--	--	60.4	13.8
KWA	KS Bill Snyder	97a	--	--	60.2	13.9
PlainsGold	Kivari AX	96	90a	87a	58.4	13.5
LCS	LCS Helix AX	96	88a	83a	61.0a	14.3
PlainsGold	Crescent AX	94	86a	83a	61.3a	14.1
PlainsGold	CO18042RA	92	--	--	60.0	14.0
Croplan	CP7462	92	--	--	58.6	14.0
KWA	KS Mako	92	85	--	61.8a	14.1
AgriPro	AP24 AX	92	89a	--	58.4	14.3
Westbred	WB4422	92	81	81	59.2	15.2
AgriPro	AP Bigfoot	91	87a	81	60.3	14.1
OGL	Showdown	91	86a	84a	58.6	13.7
LCS	LCS Steel AX	91	89a	82a	56.6	14.2
LCS	LCS Warbird AX	91	88a	--	59.6	14.8
LCS	LCS Runner	90	85	--	59.0	13.8
AgriPro	AP Prolific	90	80	80	58.1	15.3
Croplan	CP7017AX	90	86a	82a	60.0	13.4
LCS	LCS Cowie AX	90	--	--	60.3	14.6
KWA	KS Providence	89	82	83a	56.6	15.2
OGL	Strad CL+	88	83	79	58.9	16.5
Westbred	WB4445CLP	88	--	--	59.3	15.0
KWA	KS Territory	88	--	--	60.6	14.7
Westbred	WB4347	87	--	--	61.0a	14.5
OGL	High Cotton	86	81	79	59.4	14.7
OGL	Green Hammer	86	78	79	58.0	17.0a
OGL	Gallagher	86	82	83a	57.9	15.2
PlainsGold	Canvas	86	82	82a	59.4	13.8
AgriPro	AP Roadrunner	86	82	--	56.1	14.7
LCS	LCS Atomic AX	85	75	75	59.8	14.6
PlainsGold	Sheridan	85	--	--	60.3	13.9
AGSECO	AG Radical	84	75	75	57.4	14.9

PlainsGold	CO19D087R	84	--	--	59.4	13.9
Armor	AR Iron Eagle 22AX	84	83	--	60.5	13.7
OGI	OK Corral	84	79	80	57.0	15.1
OGI	Paradox	83	79	80	55.5	14.9
Westbred	WB4792	83	79	73	61.0a	13.8
OGI	Smith's Gold	83	75	74	60.3	14.7
OGI	Orange Blossom CL+	83	77	--	60.7	16.4
LCS	LCS Radar	82	81	--	59.5	14.9
Croplan	CP7869	80	77	--	57.8	14.7
AGSECO	AG Golden	79	79	78	56.3	13.8
OGI	Firebox	78	75	75	60.5	16.1
Armor	AR Turret 25	77	73	--	57.5	14.9
OGI	Doublestop CL+	77	70	72	60.0	17.0a
OGI	Uncharted	66	64	65	57.8	15.9
Experimentals		--	--	--	--	--
OSU	OK20708	95	92a	--	58.8	14.9
PlainsGold	CO18042RA	92	--	--	60.0	14.0
OSU	OK21DTR1705-91	88	--	--	58.7	15.2
OSU	OK23D89076X	88	--	--	58.7	13.6
PlainsGold	CO19D087R	84	--	--	59.4	13.9
Mean		87	81	79	59.1	14.6
LSD (0.05)		7	6	5	1.0	0.4

Note: Grain yield and protein concentration were adjusted to 12% moisture content. a: Shaded values were not statistically different from the highest value within a column. Double-dashes "--" = data not available.



Lahoma Wheat Variety Trial

Standard vs. Intensive Management Comparison

wheat.okstate.edu

Cooperator: OSU North Central Research Station Planting & harvest dates: 10/25/2024 & 06/10/2025 Management: Grain-only, conventional tillage Seeding rate: 60 lbs/ac for standard management and 1.2 million seeds/acre for intensive management Nitrogen: 6 lbs/ac 10-34-0 at planting, 40 lbs/ac on 2/26/25, and 60 lbs/ac 3/26/25 Fungicide: 16 fl oz/ac, 4 oz Tebucure 3 at flag leaf-emergence stage on 3/26/25, and 13 fl oz/ac Nexicor at flag leaf-boot stage on 4/15/25	Extension Educator: Rick Nelson Previous crop: Austrian winter peas Soil Type: Pond Creek silt loam Soil test: pH=4.9, N= 92, P= 150, K= 492
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Licensee	Variety	Grain Yield			Test Weight			Wheat Protein		
		Standard	Intensive	Diff	Standard	Intensive	Diff	Standard	Intensive	Diff
		-- bu/ac --			-- lb/bu --			-- % --		
LCS	LCS Steel AX	78a	91	13	57.9	56.6	-1.3	13.4	14.2	0.8
KWA	KS Territory	75a	88	13	60.2	60.6	0.4	13.9	14.7	0.8
PlainsGold	Crescent AX	75a	94	19	60.0	61.3a	1.3	13.1	14.1	1.0
KWA	KS Bill Snyder	74a	97a	23	60.1	60.2	0.1	13.4	13.9	0.5
Westbred	WB4422	74a	92	18	59.2	59.2	0.0	14.4	15.2	0.8
OGL	Orange Blossom CL+	73a	83	10	61.6a	60.7	-0.9	15.9	16.4	0.5
PlainsGold	Kivari AX	73a	96a	23	58.6	58.4	-0.2	12.5	13.5	1.0
AgriPro	AP Sunbird	72a	104	32	60.6	60.4	-0.2	12.8	13.8	1.0
LCS	LCS Cowie AX	72a	90	18	59.9	60.3	0.4	13.7	14.6	0.9
AgriPro	AP24 AX	71a	92	21	57.7	58.4	0.7	13.6	14.3	0.7
LCS	LCS Radar	70	82	12	58.7	59.5	0.8	14.3	14.9	0.6
OGL	High Cotton	70	86	16	59.6	59.4	-0.2	14.4	14.7	0.3
KWA	KS Mako	69	92	23	61.5a	61.8a	0.3	13.6	14.1	0.5
LCS	LCS Helix AX	69	96	27	60.7	61.0a	0.3	13.5	14.3	0.8
Croplan	CP7462	68	92	24	57.6	58.6	1.0	13.6	14.0	0.4
KWA	KS Providence	68	89	21	55.5	56.6	1.1	14.6	15.2	0.6
AgriPro	AP Bigfoot	67	91	24	59.8	60.3	0.5	13.6	14.1	0.5
OGL	Green Hammer	67	86	19	59.7	58.0	-1.7	17.1a	17.0a	-0.1
LCS	LCS Warbird AX	67	91	24	59.2	59.6	0.4	14.2	14.8	0.6
PlainsGold	CO19D087R	66	84	18	58.4	59.4	1.0	13.5	13.9	0.4
Armor	AR Iron Eagle 22AX	66	84	18	59.5	60.5	1.0	12.6	13.7	1.1
Westbred	WB4347	66	87	21	61.6a	61.0a	-0.6	13.9	14.5	0.6
AGSECO	AG Radical	66	84	18	57.1	57.4	0.3	14.4	14.9	0.5
OGL	Showdown	66	91	25	57.5	58.6	1.1	13.7	13.7	0.0
AgriPro	AP Roadrunner	66	86	20	56.7	56.1	-0.6	14.0	14.7	0.7
PlainsGold	Canvas	65	86	21	57.8	59.4	1.6	13.5	13.8	0.3
PlainsGold	CO18042RA	65	92	27	59.5	60.0	0.5	13.6	14.0	0.4
LCS	LCS Runner	65	90	25	59.2	59.0	-0.2	13.5	13.8	0.3
PlainsGold	Sheridan	65	85	20	59.8	60.3	0.5	13.6	13.9	0.3
Westbred	WB4792	64	83	19	62.0a	61.0a	-1.0	13.1	13.8	0.7

Westbred	WB4445CLP	64	88	24	57.9	59.3	1.4	14.3	15.0	0.7
AgriPro	AP Prolific	64	90	26	57.4	58.1	0.7	14.5	15.3	0.8
LCS	LCS Atomic AX	63	85	22	59.4	59.8	0.4	13.5	14.6	1.1
OGL	Strad CL+	62	88	26	59.4	58.9	-0.5	15.9	16.5	0.6
OGL	OK Corral	62	84	22	56.1	57.0	0.9	14.6	15.1	0.5
OGL	Firebox	61	78	17	60.5	60.5	0.0	15.4	16.1	0.7
OGL	Smith's Gold	61	83	22	60.1	60.3	0.2	13.9	14.7	0.8
Croplan	CP7869	60	80	20	58.2	57.8	-0.4	14.4	14.7	0.3
OGL	Doublestop CL+	60	77	17	60.7	60.0	-0.7	16.7a	17.0a	0.3
Croplan	CP7017AX	60	90	30	59.0	60.0	1.0	12.9	13.4	0.5
AGSECO	AG Golden	59	79	20	53.6	56.3	2.7	13.3	13.8	0.5
Armor	AR Turret 25	57	77	20	57.4	57.5	0.1	14.3	14.9	0.6
OGL	Gallagher	55	86	31	56.6	57.9	1.3	14.5	15.2	0.7
OGL	Paradox	55	83	28	54.4	55.5	1.1	14.4	14.9	0.5
OGL	Uncharted	51	66	15	59.4	57.8	-1.6	15.6	15.9	0.3
Experimentals										
OSU	OK21DTR1705-91	71a	88	17	58.7	58.7	0.0	14.6	15.2	0.6
OSU	OK23D89076X	68	88	20	57.9	58.7	0.8	13.1	13.6	0.5
OSU	OK20708	67	95	28	58.7	58.8	0.1	14.3	14.9	0.6
PlainsGold	CO19D087R	66	84	18	58.4	59.4	1.0	13.5	13.9	0.4
PlainsGold	CO18042RA	65	92	27	59.5	60.0	0.5	13.6	14.0	0.4
Mean		66	87	21	58.8	59.1	0.3	14.1	14.6	0.5
LSD (0.05)		7	7	--	1.1	1.0	--	0.4	0.4	--

Note: Grain yield and protein concentration were adjusted to 12% moisture content. a: Shaded values were not statistically different from the highest value within a column. Double-dashes "--" = data not available.



Miami Soft Wheat Variety Trial

wheat.okstate.edu

Cooperator: Brent Rendell Planting & harvest dates: 10/28/2024 & 07/02/2025 Management: Grain-only, conventional tillage Seeding rate: 871,000 seeds/acre Nitrogen: 20 lbs/ac broadcast before planting on 10/01/2024, 6 lbs/ac as 10-34-0 at planting, and 46 lbs/ac on 03/10/2025 as urea. Fungicide: none		Extension Educator: Reba McCarty Previous crop: Corn Soil Type: Taloka silt loam Soil test: pH= 6.1, N= 22, P= 17, K= 155		
Licensee	Variety/Experimental line	Grain Yield 2024-2025	Test Weight	Protein
		-- bu/ac--	-- lb/bu --	-- % --
OSU	OK2189178WF	57a	49.5	11.2
AgriMAXX	AM514	50a	50.0	9.5
Becks	728	50a	49.6	9.6
OSU	OK21424F	48a	54.5a	10.9
Becks	722	47a	52.6	9.9
AgriMAXX	AM513	43	52.2	10.3
Pioneer	25R76	43	52.7	10.0
OSU	OCW03S580S-8WF	37	51.5	11.4
OSU	OK20061CF-7C24	34	54.3a	11.0
OSU	OK20056CF-10C24	32	54.4a	12.4a
OSU	OK21428F	32	53.9a	11.2
Pioneer	25R65	26	50.3	10.3
Mean		42	52.1	10.6
LSD (0.05)		10	1.1	0.9

Note: Grain yield and protein concentration were adjusted to 12% moisture content. a: Shaded values are not statistically different from the highest value within a column. Double-dashes "--" = data not available.



Walters Dual-Purpose Wheat Variety Trial

wheat.okstate.edu

Cooperator: Jimmy Kinder
Planting & harvest dates: 10/2/2024 & 06/11/2025
Management: Dual-purpose, no-till
Seeding rate: 120 lbs/ac
Nitrogen: 6 lbs/ac 10-34-0 at planting
Fungicide: none

Extension Educator: Kimbreley Davis
Previous crop: Wheat
Soil Type: Foard silt loam
Soil test: pH=5.1, N= 21, P= 156, K= 392

Licensee	Variety	Grain Yield			Test Weight	Wheat Protein
		2024-2025	2-Year	3-Year*		
		-- bu/ac --			-- lb/bu --	-- % --
Westbred	WB4792	26a	26a	24a	60.1a	11.4
LCS	LCS Steel AX	25a	26a	--	56.6	11.0
OGL	Showdown	24a	29a	26a	57.0	11.4
OGL	Smith's Gold	24a	24	24a	55.9	11.5
Armor	AR Turret 25	23a	--	--	58.2a	11.6
PlainsGold	Sheridan	23a	--	--	57.7a	11.0
Croplan	CP7869	23a	--	--	58.2a	11.5
Armor	AR Iron Eagle 22AX	21a	--	--	58.2a	11.0
Westbred	WB4445CLP	21a	--	--	57.2	11.1
AGSECO	AG Golden	21a	23	--	53.6	10.4
PlainsGold	Canvas	21a	24	23a	56.4	11.3
OGL	Gallagher	21a	22	21	56.3	11.5
Croplan	CP7017AX	21a	--	--	56.2	11.3
LCS	LCS Warbird AX	20	--	--	57.9a	11.1
LCS	LCS Cowie AX	20	--	--	59.4a	11.5
OGL	Uncharted	20	22	20	55.6	12.2
Westbred	WB4347	20	--	--	58.2a	11.3
Westbred	WB4422	19	22	--	55.3	11.2
KWA	KS Providence	19	22	--	56.3	11.8
LCS	LCS Julep	19	20	--	56.8	12.1
KWA	KS Bill Snyder	19	--	--	53.1	11.4
OGL	Doublestop CL+	18	23	22a	57.4a	13.0a
OGL	Orange Blossom CL+	18	24	--	59.5a	12.6
OGL	Firebox	18	22	21	57.2	12.5
LCS	LCS Radar	18	--	--	55.5	12.0
LCS	LCS Runner	18	--	--	56.0	10.8
Croplan	CP7462	17	--	--	54.1	11.6
AgriPro	AP Roadrunner	17	20	20	53.6	11.8
OGL	High Cotton	17	21	--	55.6	11.9
AgriPro	AP24 AX	17	--	--	53.9	11.9
LCS	LCS Helix AX	16	--	--	56.4	11.3
OGL	Green Hammer	16	20	17	53.8	12.8a

PlainsGold	Kivari AX	15	--	--	54.0	10.9
OGI	OK Corral	15	--	--	51.9	12.2
OGI	Strad CL+	14	19	18	55.2	12.6
OGI	Paradox	14	21	--	52.5	11.1
LCS	LCS Atomic AX	14	18	19	54.3	12.2
PlainsGold	Crescent AX	13	--	--	54.0	12.1
AgriPro	AP Sunbird	13	--	--	53.0	12.2
OGI	Butler's Gold	10	--	--	51.1	13.4a
Experimentals						
OSU	OK20708	19	23	--	57.2	11.5
OSU	OK23D89076X	19	--	--	58.0a	11.2
PlainsGold	CO19D087R	18	--	--	55.6	11.9
PlainsGold	CO18042RA	16	--	--	54.5	11.3
Mean		19	22	21	55.9	11.7
LSD (0.05)		5	3	4	2.8	0.7

Note: Grain yield and protein concentration were adjusted to 12% moisture content. The average grain moisture content at harvest was 15%. a: Shaded values are not statistically different from the highest value within a column. Plots were grazed from January 23 to March 12, 2025, at a stocking rate of 320 pounds of animal BW per acre. High weed pressure was observed early in the season. An herbicide application of 16 oz/ac of Axial and 0.2 oz/ac of Ally was made on January 14, 2025. Average weed infestation across the trial was 50%, based on ratings taken on December 10, 2025. The predominant weed species observed was Italian ryegrass. *Due to the drought conditions, plots were not grazed during the 2022-2023 growing season. Therefore, data from three previous years include 2021-2022, 2023-2024, and 2024-2025. Double-dashes "--" = data not available.



Heading Date and Plant Height

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Licensee	Variety	Altus	Lahoma	Stillwater	Altus	Lahoma	Stillwater
		-- 50% heading --			-- plant height at harvest (cm) --		
AGSECO	AG Golden	4/17	4/23	4/28	64	75	64
AGSECO	AG Radical	--	4/21	4/28	--	78	71
AgriPro	AP Bigfoot	--	4/20	4/25	--	80	66
AgriPro	AP Prolific	--	4/20	4/26	--	76	70
AgriPro	AP Roadrunner	4/15	4/22	5/4	64	85	73
AgriPro	AP Sunbird	4/13	4/20	4/24	68	79	67
AgriPro	AP24 AX	4/14	4/20	4/25	71	83	71
Armor	AR Iron Eagle 22AX	4/15	4/21	4/26	62	77	74
Armor	AR Turret 25	4/17	4/20	4/25	67	80	74
OGL	Breakthrough	--	--	4/26	--	--	74
OGL	Butler's Gold	4/12	--	4/17	67	--	64
OGL	Butler's Gold (Late Planted)	4/16	--	--	61	--	--
PlainsGold	Canvas	4/16	4/23	5/4	67	81	72
Croplan	CP7017AX	4/16	4/21	4/25	61	84	72
Croplan	CP7462	4/14	4/20	4/23	58	75	62
Croplan	CP7869	4/17	4/21	4/30	63	76	75
PlainsGold	Crescent AX	4/12	4/19	4/24	70	89	60
OGL	Doublestop CL+	4/18	4/29	5/4	70	84	84
OGL	Firebox	4/16	4/21	4/28	67	81	82
OGL	Gallagher	4/17	4/21	4/27	70	73	73
OGL	Green Hammer	4/17	4/21	4/25	72	85	89
OGL	High Cotton	4/16	4/20	4/26	70	77	73
OGL	Iba	--	--	4/26	--	--	70
PlainsGold	Kivari AX	4/13	4/20	5/1	70	84	67
KWA	KS Bill Snyder	4/16	4/23	4/27	64	81	70
KWA	KS Mako	--	4/20	4/26	--	80	69
KWA	KS Providence	4/14	4/20	4/24	67	78	72
KWA	KS Territory	--	4/23	4/30	--	75	80
LCS	LCS Aries	--	--	4/25	--	--	68
LCS	LCS Atomic AX	4/12	4/19	4/23	66	84	72
LCS	LCS Cowie AX	4/16	4/21	4/24	57	92	77
LCS	LCS Helix AX	4/12	4/19	4/23	72	86	74
LCS	LCS Julep	4/17	--	5/1	64	--	72
LCS	LCS Radar	4/17	4/23	5/4	66	91	73
LCS	LCS Runner	4/17	4/23	4/24	65	84	73
LCS	LCS Steel AX	4/17	4/23	5/4	68	84	80
LCS	LCS Warbird AX	4/15	4/20	4/24	60	87	71
OGL	OK Corral	4/18	4/23	4/24	67	75	68

OSU	Orange Blossom CL+	--	4/23	4/29	--	93	78
OGI	Paradox	4/15	4/20	4/28	70	77	71
OGI	Scab Stryker	--	--	5/4	--	--	81
PlainsGold	Sheridan	4/18	5/2	--	66	85	--
OGI	Showdown	4/17	4/20	4/27	71	81	78
OGI	Smith's Gold	4/17	4/23	4/28	67	75	78
OGI	Strad CL+	4/16	4/22	4/25	71	87	80
OGI	Uncharted	4/16	4/20	4/25	72	88	72
Westbred	WB4347	4/17	4/19	4/29	70	85	65
Westbred	WB4422	4/17	4/22	4/26	65	87	70
Westbred	WB4445CLP	4/14	4/20	4/29	74	83	59
Westbred	WB4792	4/17	4/23	4/30	72	82	65
Experimentals							
PlainsGold	CO18042RA	4/12	4/19	--	67	80	--
PlainsGold	CO19D087R	4/14	4/21	--	60	76	--
OSU	OK20708	4/17	4/23	4/29	69	91	63
OSU	OK21DTR1705-91	--	4/23	4/28	--	90	70
OSU	OK23D89076X	4/13	4/20	4/30	69	84	59
Mean		4/15	4/21	4/27	67	82	72

Note: Double-dashes "--" = data not available.



Seed Size and Seeding Rate Wheat Variety Trials

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			Grain-Only			Dual-purpose
Licensee	Variety		Standard Management	Intensive Management	Panhandle	
		-- seeds/lb --	-- seeds/ac --			
Croplan	CP7462	9,934	596,061	1,200,000	447,046	1,192,123
Becks	722	10,708	642,453	1,200,000	481,840	1,284,906
Pioneer	25R76	11,000	660,000	1,200,000	495,000	1,320,000
Croplan	CP7869	11,100	666,015	1,200,000	499,511	1,332,029
Armor	AR Turret 25	11,210	672,593	1,200,000	504,444	1,345,185
OGL	Doublestop CL+	11,322	679,302	1,200,000	509,476	1,358,603
AgriMAXX	AM513	11,600	696,000	1,200,000	522,000	1,392,000
Pioneer	25R65	12,000	720,000	1,200,000	540,000	1,440,000
AgriMAXX	AM514	12,100	726,000	1,200,000	544,500	1,452,000
PlainsGold	Crescent AX	12,139	728,342	1,200,000	546,257	1,456,684
Becks	728	12,172	730,295	1,200,000	547,721	1,460,590
OGL	Green Hammer	12,204	732,258	1,200,000	549,194	1,464,516
OGL	Butler's Gold	12,337	740,217	1,200,000	555,163	1,480,435
AgriPro	AP Prolific	12,438	746,301	1,200,000	559,726	1,492,603
OSU	Orange Blossom CL+	12,541	752,486	1,200,000	564,365	1,504,972
OGL	Bentley	12,611	756,667	1,200,000	567,500	1,513,333
PlainsGold	Sheridan	12,753	765,169	1,200,000	573,876	1,530,337
AgriPro	AP Sunbird	12,825	769,492	1,200,000	577,119	1,538,983
KWA	KS Providence	12,825	769,492	1,200,000	577,119	1,538,983
Watley	TAM 112	12,861	771,671	1,200,000	578,754	1,543,343
OGL	Strad CL+	13,046	782,759	1,200,000	587,069	1,565,517
LCS	LCS Helix AX	13,198	791,860	1,200,000	593,895	1,583,721
PlainsGold	Kivari AX	13,236	794,169	1,200,000	595,627	1,588,338
Westbred	WB4347	13,384	803,040	1,200,000	602,280	1,606,080
Westbred	WB4792	13,400	804,000	1,200,000	603,000	1,608,000
OGL	Paradox	13,432	805,917	1,200,000	604,438	1,611,834
OGL	Uncharted	13,472	808,309	1,200,000	606,231	1,616,617
OGL	Smith's Gold	13,552	813,134	1,200,000	609,851	1,626,269
AgriPro	AP Roadrunner	13,593	815,569	1,200,000	611,677	1,631,138
OGL	Gallagher	13,634	818,018	1,200,000	613,514	1,636,036
PlainsGold	Canvas	13,634	818,018	1,200,000	613,514	1,636,036
Westbred	WB4445CLP	13,736	824,160	1,200,000	618,120	1,648,320
OGL	Firebox	13,799	827,964	1,200,000	620,973	1,655,927
LCS	LCS Aries	13,841	830,488	1,200,000	622,866	1,660,976
OGL	OK Corral	13,884	833,028	1,200,000	624,771	1,666,055
OGL	High Cotton	13,926	835,583	1,200,000	626,687	1,671,166

OGI	Showdown	13,969	838,154	1,200,000	628,615	1,676,308
Armor	AR Iron Eagle 22AX	13,969	838,154	1,200,000	628,615	1,676,308
Croplan	CP7017AX	13,969	838,154	1,200,000	628,615	1,676,308
OGI	Scab Stryker	14,232	853,918	1,200,000	640,439	1,707,837
KWA	KS Territory	14,232	853,918	1,200,000	640,439	1,707,837
AGSECO	AG Radical	14,367	862,025	1,200,000	646,519	1,724,051
LCS	LCS Runner	14,413	864,762	1,200,000	648,571	1,729,524
KWA	KS Mako	14,505	870,288	1,200,000	652,716	1,740,575
KWA	KS Bill Snyder	14,740	884,416	1,200,000	663,312	1,768,831
LCS	LCS Atomic AX	14,740	884,416	1,200,000	663,312	1,768,831
Westbred	WB4422	14,890	893,400	1,200,000	670,050	1,786,800
LCS	LCS Cowie AX	15,184	911,037	1,200,000	683,278	1,822,074
LCS	LCS Julep	15,184	911,037	1,200,000	683,278	1,822,074
AgriPro	AP24 AX	15,286	917,172	1,200,000	687,879	1,834,343
LCS	LCS Radar	15,390	923,390	1,200,000	692,542	1,846,780
LCS	LCS Warbird AX	15,655	939,310	1,200,000	704,483	1,878,621
Watley	TAM 115	15,655	939,310	1,200,000	704,483	1,878,621
Watley	TAM 204	16,691	1,001,471	1,200,000	751,103	2,002,941
AgriPro	AP Bigfoot	16,940	1,016,418	1,200,000	762,313	2,032,836
OGI	Breakthrough	17,068	1,024,060	1,200,000	768,045	2,048,120
AGSECO	AG Golden	17,529	1,051,737	1,200,000	788,803	2,103,475
LCS	LCS Steel AX	17,734	1,064,063	1,200,000	798,047	2,128,125
OGI	Iba	20,088	1,205,310	1,200,000	903,982	2,410,619
Experimentals						
OSU	OK20708	11,100	666,015	1,200,000	499,511	1,332,029
OSU	OK21428F	11,671	700,257	1,200,000	525,193	1,400,514
OSU	OK21DTR1705-91	12,898	773,864	1,200,000	580,398	1,547,727
OSU	OK20061CF-7C24	12,898	773,864	1,200,000	580,398	1,547,727
OSU	OK2189178WF	12,971	778,286	1,200,000	583,714	1,556,571
OSU	OK21424F	13,009	780,516	1,200,000	585,387	1,561,032
OSU	OCW03S580S-8WF	13,009	780,516	1,200,000	585,387	1,561,032
OSU	OK20056CF-10C24	13,353	801,176	1,200,000	600,882	1,602,353
OSU	OK23D89076X	15,184	911,037	1,200,000	683,278	1,822,074
PlainsGold	CO18042RA	15,338	920,270	1,200,000	690,203	1,840,541
PlainsGold	CO19D087R	16,042	962,544	1,200,000	721,908	1,925,088
Mean		13,705	822,301	1,200,000	616,726	1,644,603

Note: The seeding rate column "Grain-only standard management" represents the number of seeds per acre for each variety when planted at 60 pounds per acre. Thus, seeding rate was estimated by multiplying the amount of seeds per pound by 60 pounds per acre per variety. The reported seeds per pound reflect only the seed source used to plant the 2025 trials and may not approximate the long-term average for a given variety. All variety trial locations were sown at 60 pounds per acre, except for the dual-purpose trials at El Reno and Walters that were sown at 120 pounds per acre, the intensive wheat management trials at Apache, Chickasha and Lahoma that were sown at 1.2 million seeds per acre, and the Panhandle trials at Balko and Hooker that were sown at 45 pounds per acre.

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Oklahoma Wheat
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