



## Kildare Wheat Variety Trial

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<b>Cooperator: Stan Claybaker</b> <b>Planting &amp; Harvest Dates: 11/14/2023 &amp; 06/17/2024</b> <b>Management: Grain-Only</b> <b>Tillage: No-till</b>					<b>Extension Educator: MacKinzie Overman</b> <b>Previous Crop: Soybeans</b> <b>Soil Type: Tabler silt loam</b> <b>Soil Test: pH=6.4, N=98, P=56, K=302</b>			
Licensee	Variety	Grain Yield			Test Weight	Wheat Protein	Stripe rust severity	Leaf rust severity
		2023-24	2-Year	3-year				
		-----bu/ac-----			-- lb/bu --	-- % --	-- % --	-- % --
LCS	LCS Helix AX	43	29	—	60.3	15.2	80	5
PlainsGold	Canvas	42	—	—	59.3	14.7	60	20
PlainsGold	Crescent AX	41	31	—	60.2	14.9	70	10
OGL	High Cotton	41	32	—	58.2	15.8	10	5
OGL	Showdown	37	30	30	56.0	14.9	20	20
OGL	OK Corral	37	31	29	55.9	15.8	10	20
OGL	Green Hammer	37	32	34	57.5	18.7	25	10
AgriPro	AP Prolific	37	32	—	56.1	16.7	60	10
KWA	KS Providence	37	33	—	56.1	15.8	30	5
OGL	Strad CL+	34	35	35	58.6	17.7	5	0
OGL	Butler's Gold	34	27	—	58.9	17.5	20	5
Westbred	WB4401	34	31	—	58.4	15.2	40	5
Westbred	WB4632	33	30	—	58.1	14.2	80	10
LCS	LCS Atomic AX	32	24	—	57.1	16.0	45	5
OGL	Doublestop CL+	32	32	35	58.5	18.1	5	10
OGL	Paradox	32	32	—	55.0	17.0	20	0
LCS	LCS Steel AX	32	21	—	56.2	15.6	70	5
OGL	Smith's Gold	30	27	25	58.0	16.7	10	10
AgriPro	AP Roadrunner	30	—	—	53.7	16.2	20	0
OGL	Bentley	30	28	25	55.4	16.0	65	10
AGSECO	AG Radical	28	28	—	55.9	16.0	60	10
OGL	Breadbox	28	—	—	56.0	17.7	20	0
OGL	Big Country	27	24	24	57.3	18.4	0	0
OGL	Uncharted	25	26	26	55.7	17.9	20	5
OGL	Gallagher	18	21	21	53.5	17.8	15	5
<b>Experimentals</b>								
OSU	OK20708	43	—	—	56.6	16.0	40	5
OSU	OK198417C	32	—	—	59.2	17.0	5	0
OSU	OK16107133-19-4	30	—	—	54.3	17.7	10	5
OSU	OK16107133-19-3	24	22	—	54.5	17.6	10	5
OSU	OK16103083	16	22	—	50.8	16.9	60	0
<b>Mean</b>		<b>32</b>	<b>28</b>	<b>28</b>	<b>56.7</b>	<b>16.5</b>	<b>33</b>	<b>7</b>
<b>LSD (0.05)</b>		<b>7</b>	<b>6</b>	<b>5</b>	<b>1.3</b>	<b>0.8</b>	—	—

Notes: Grain yield and protein concentration were adjusted to 12% moisture content. Shaded values were not statistically different from the highest value within a column. There was no variety trial in the 2021-2022 growing season, thus 3-year averages represent results from 2024, 2023, and 2021 harvest year. There was a severe pressure of stripe rust and moderate pressure of leaf rust. Disease severity ratings were collected on May 5 (around milky ripe stage). The trial received 1.5" rainfall between harvest maturity and the time it could be harvested, and disease pressure was high, possibly driving down test weight. Em Dash "—" = data not available."