



# Morris Intensive Wheat Management Variety Trial

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Planting & harvest dates: 11/1/2021 & 06/17/2022

Previous crop: Corn

Management: Grain-only, Conventional

Soil Type: Taloka silt loam

Seeding rate: 1.2 million seeds/acre

Soil test: pH=7, N= 74, P= 42, K= 184

Nitrogen: 6 lbs/ac 10-34-0 at planting, 45 lbs/ac on 1/31/22 , and 45 lbs/ac on 3/14/22

Other nutrient sources: 1.75 ton/acre chicken litter before planting, 8 lbs Sulfur/ac and 1pt Boron/ac on 3/14/22

Plant Growth Regulator: 11.2 fl oz/ac Palisade on 4/2/22

Fungicide: 6.2 fl oz/ac Prosaro at flowering on 5/2/22

Licensee	Variety	Lodging 2021-22	Grain Yield 2021-22 -- bu/ac --	Test Weight 2021-22 -- lb/bu --	Wheat Protein 2021-22 -- % --
AgriPro	Bob Dole	2	91	59.1	13.2
OGI	Big Country	1	88	60.0	15.1
OGI	OK Corral	1	85	58.9	13.9
Westbred	WB4699	1	84	58.5	12.7
OGI	Gallagher	1	84	58.3	13.3
OGI	Uncharted	2	84	58.4	14.2
LCS	LCS Atomic AX	2	83	58.8	13.4
KWA	KS Ahearn	2	80	56.6	13.5
OGI	Skydance	2	80	60.7	14.7
AGSECO	AG Icon	1	79	58.4	14.8
LCS	LCS Julep	2	78	58.6	13.6
PlainsGold	Crescent AX	3	78	58.8	13.8
Croplan	CP7017AX	3	77	56.6	13.3
AgriMAXX	AM Cartwright	1	77	58.4	14.2
Westbred	WB4401	2	76	56.3	12.0
AgriPro	AP EverRock	2	74	55.9	14.7
OGI	Smith's Gold	2	74	58.5	14.1
AGSECO	AG Radical	2	73	57.0	14.9
LCS	LCS Photon AX	2	73	60.9	14.1
OGI	Baker's Ann	2	73	58.0	14.2
AgriPro	SY Achieve CL2	2	72	58.1	13.5
OGI	Butler's Gold	2	72	59.3	14.8
OGI	Spirit Rider	3	70	60.2	13.4
OGI	Butler's Gold (late-planted)	2	66	59.5	15.6
	<b>Experimentals</b>				
	OK16103083	3	78	58.9	13.9
	<b>Mean</b>	2	76	58.5	13.9
	<b>LSD (0.05)</b>	--	6	1.1	0.8

**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. The crop experienced moderate to high pressure of bacteria leaf streak disease and physiological leaf spotting. Fusarium Head Blight (scab) disease was ubiquitous, but disease development varied in severity depending on native resistance of varieties or fungicide effectiveness. Lodging is reported on a 1 to 5 scale, with 1 indicating no lodging. Butler's Gold late-planted was planted on 12/2/21 at 1.4 million seeds/acre. Double-dashes"--" = data not available.