

2025 Irrigated Winter Wheat Variety Performance Trial at Wiggins

Variety	Brand/Source	Market Class	Grain Yield ^a bu/ac	Test Weight lb/bu	Protein percent	Lodging scale (1-9) ^b	Plant Height in
Telluride	PlainsGold	HWW	152.7	59.6	12.2	3	36
LCS Atomic AX	Limagrain	HRW	148.8	60.1	12.5	3	32
Canvas	PlainsGold	HRW	146.1	59.7	12.4	4	33
CO20022RC	Colorado State University exp.	HRW	145.6	60.1	12.6	7	34
Breck	PlainsGold	HRW	143.2	60.4	13.2	5	33
LCS Mojo	Limagrain	HRW	143.2	58.8	12.3	1	37
Sheridan	PlainsGold	HRW	142.4	59.8	11.9	3	37
AP Sunbird	AgriPro	HRW	142.3	61.2	11.9	4	32
LCS Helix AX	Limagrain	HRW	141.9	59.6	12.2	5	36
Monarch	PlainsGold	HWW	141.6	59.5	11.9	2	37
Crescent AX	PlainsGold	HRW	141.2	60.0	-	7	39
Snowmass 2.0	PlainsGold	HWW	140.1	59.6	12.8	1	34
NE18435	University of Nebraska-Lincoln exp.	HRW	140.0	60.6	12.3	4	35
AR Turret 25	Armor	HRW	139.8	58.8	12.5	6	35
CP7909	Croplan	HRW	139.6	59.2	12.7	1	35
LCS Radar	Limagrain	HRW	138.5	59.7	13.1	2	32
Amplify SF	PlainsGold	HRW	135.9	59.9	12.7	5	37
Byrd CL Plus	PlainsGold	HRW	135.4	59.7	12.5	7	40
Windom SF	PlainsGold	HWW	134.4	58.8	12.3	9	35
CP7869	Croplan	HRW	133.8	59.1	12.3	3	34
LCS Steel AX	Limagrain	HRW	133.3	58.0	12.8	4	37
CO22SF008WC	Colorado State University exp.	HWW	132.8	57.3	12.8	8	39
AR Iron Eagle 22AX	Armor	HRW	130.0	59.3	12.5	6	34
CO20SFD020R	Colorado State University exp.	HRW	129.5	57.8	12.1	6	34
Kivari AX	PlainsGold	HRW	128.0	57.9	11.3	9	37
CO21SF191RA	Colorado State University exp.	HRW	126.5	55.8	14.2	4	38
Guardian	PlainsGold	HRW	123.6	58.9	13.9	5	35
CO21SF263RA	Colorado State University exp.	HRW	103.2	55.5	14.1	7	40
Average			137.0	59.0	12.5	5	36
°LSD (0.30)			4.9	0.8			
°LSD (0.05)			9.4	1.5			
Coefficient of Variation (CV)			3.1	1.0			

^aGrain yield adjusted to 12% moisture and varieties ranked by yield (highest to lowest). Variety yield values in bold are in the top LSD group (0.30).

^bLodging score: 1 equals no lodging and 9 is severe lodging.

^cFarmers selecting a variety based on yield should use the LSD (.30) to protect themselves from false negative conclusions (concluding varieties are the same when they are actually different). Companies or researchers may use the LSD (.05) to avoid false positive conclusions (concluding varieties are different when they are actually the same).

Site Information

Collaborator: Cooksey Farms LLC
 Harvest date: July 21, 2025
 Planting date: October 8, 2024
 Soil Type: Truckton sandy loam
 GPS Coordinates: 39.997682, -104.104908
 Trial Comments: Planted 1.5" deep into good moisture and tilled black-eyed pea stubble. Field had water applied immediately after planting. Excellent fall emergence and stands. Plant growth regulator applied in late spring. Wheat stem sawfly present at moderate levels but lodging was due to high yield environment.

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