

2025 Irrigated Winter Wheat Variety Performance Trial at Fort Collins

Variety	Brand/Source	Market Class	Grain		Protein	Heading
			Yield ^a	Test Weight		
			bu/ac	lb/bu	percent	days from trial avg. ^b
LCS Steel AX	Limagrain	HRW	113.9	62.0	14.8	3
Guardian	PlainsGold	HRW	107.2	62.4	14.3	1
CO21SF191RA	Colorado State University exp.	HRW	102.9	60.6	15.5	3
Kivari AX	PlainsGold	HRW	102.8	61.0	14.5	0
Sheridan	PlainsGold	HRW	101.9	60.9	14.4	1
Amplify SF	PlainsGold	HRW	99.6	61.8	14.6	1
CO21SF263RA	Colorado State University exp.	HRW	98.4	60.0	15.1	4
Telluride	PlainsGold	HWW	98.3	62.3	14.1	0
Monarch	PlainsGold	HWW	97.9	60.9	13.3	1
Canvas	PlainsGold	HRW	97.0	62.7	14.3	0
CO20SFD020R	Colorado State University exp.	HRW	96.6	61.6	14.7	1
CO22SF008WC	Colorado State University exp.	HWW	95.6	60.8	14.2	0
Byrd CL Plus	PlainsGold	HRW	94.6	61.7	14.6	0
Snowmass 2.0	PlainsGold	HWW	94.0	61.1	14.7	0
Crescent AX	PlainsGold	HRW	93.9	61.3	15.1	-1
CO20022RC	Colorado State University exp.	HRW	93.9	62.4	14.6	0
LCS Atomic AX	Limagrain	HRW	92.8	61.2	16.4	-4
AR Iron Eagle 22AX	Armor	HRW	91.5	61.7	15.1	-2
Breck	PlainsGold	HRW	91.5	62.3	15.6	0
AR Turret 25	Armor	HRW	89.1	59.5	14.9	-2
NE18435	University of Nebraska-Lincoln exp.	HRW	88.5	61.1	14.6	-1
CP7909	Croplan	HRW	88.4	58.6	14.6	-4
Windom SF	PlainsGold	HWW	85.1	61.1	14.8	-1
CP7869	Croplan	HRW	84.8	59.3	15.1	-3
LCS Mojo	Limagrain	HRW	83.1	59.4	14.3	0
AP Sunbird	AgriPro	HRW	81.9	60.1	16.2	-1
LCS Helix AX	Limagrain	HRW	79.0	60.0	15.5	-2
LCS Radar	Limagrain	HRW	78.1	59.8	16.1	-3
Average			93.5	61.0	15.0	May 18, 2025
^c LSD (0.30)			3.8	0.3		
^c LSD (0.05)			7.3	0.7		
Coefficient of Variation (CV)			3.4	0.4		

^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).

^bVarieties with positive values headed later than the trial average and varieties with negative values headed earlier than the trial average.

^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: CSU Wheat Breeding Team and the Ag. Research, Development and Education Center (ARDEC)
 Harvest date: July 21, 2025
 Planting date: September 25, 2024
 Soil Type: Fort Collins loam
 GPS Coordinates: 40.65285, -104.99953
 Trial Comments: Planted about 1.5" deep into moisture. Good fall emergence. Trial irrigated as needed starting in late May due to irrigation equipment breakdowns.

The data included in this table may not be republished without permission. Contact Sally Jones-Diamond (sally.jones@colostate.edu)