

2025 Irrigated Winter Wheat Variety Performance Trial at Burlington

Variety	Brand/Source	Market Class	Grain Yield ^a	Test Weight	Protein	Plant Height
			bu/ac	lb/bu	percent	in
AP Sunbird	AgriPro	HRW	99.7	57.6	13.8	32
LCS Atomic AX	Limagrain	HRW	98.6	57.8	13.5	32
Telluride	PlainsGold	HWW	95.7	53.8	14.5	33
AR Iron Eagle 22AX	Armor	HRW	93.7	57.5	13.6	34
LCS Helix AX	Limagrain	HRW	93.7	57.1	13.2	35
CO20022RC	Colorado State University exp.	HRW	93.3	59.2	14.5	35
Canvas	PlainsGold	HRW	91.0	58.5	14.0	35
Snowmass 2.0	PlainsGold	HWW	90.1	56.1	14.2	35
Crescent AX	PlainsGold	HRW	90.0	56.9	13.9	37
CO20SFD020R	Colorado State University exp.	HRW	89.0	56.5	13.6	36
Monarch	PlainsGold	HWW	88.6	57.6	13.8	35
LCS Radar	Limagrain	HRW	88.1	56.4	14.4	34
Sheridan	PlainsGold	HRW	87.0	57.2	14.0	35
Breck	PlainsGold	HRW	86.3	57.4	15.2	35
Byrd CL Plus	PlainsGold	HRW	84.7	53.3	14.0	38
Guardian	PlainsGold	HRW	83.4	58.1	15.3	36
Windom SF	PlainsGold	HWW	82.9	60.0	14.5	33
CO22SF008WC	Colorado State University exp.	HWW	82.9	55.5	14.0	37
NE18435	University of Nebraska-Lincoln exp.	HRW	78.7	56.9	14.3	33
Kivari AX	PlainsGold	HRW	77.4	54.5	13.5	37
Amplify SF	PlainsGold	HRW	76.8	56.8	14.1	37
AR Turret 25	Armor	HRW	75.9	56.9	-	34
LCS Mojo	Limagrain	HRW	75.4	57.2	14.4	35
CP7869	Croplan	HRW	74.0	57.9	14.0	33
LCS Steel AX	Limagrain	HRW	70.1	56.9	14.5	36
CP7909	Croplan	HRW	65.3	57.1	14.0	34
CO21SF191RA	Colorado State University exp.	HRW	63.0	51.0	15.0	35
CO21SF263RA	Colorado State University exp.	HRW	61.0	50.8	16.5	37
Average			83.5	56.5	14.0	35
			^b LSD (0.30)	2.8	0.9	
			^b LSD (0.05)	5.4	1.8	
Coefficient of Variation (CV)			3.2	1.2		

^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).

^bFarmers 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: Tim Dorman
 Harvest date: July 11, 2025
 Planting date: October 11, 2024
 Soil Type: Kuma-Keith silt loams
 GPS Coordinates: 39.4108955, -102.1528684
 Trial Comments: Planted 1.25" deep into good moisture after corn harvest. Field had water applied immediately after planting. Good fall emergence and very late to green-up in the spring due to later planting date. Wheat stem sawfly present at low levels.

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