



2022 Irrigated Winter Wheat Variety Performance Trial at Burlington

Variety	Brand/Source	Market Class	Grain Yield ^a bu/ac	Test Weight lb/bu	Plant Height in	Protein percent
CO18D007W	Colorado State University exp.	HWW	110.5	63	33	13.1
CO17449R	Colorado State University exp.	HRW	99.5	63	35	13.8
Brawl CL Plus	PlainsGold	HRW	99.0	63	34	14.1
CO18D297R	Colorado State University exp.	HRW	98.0	62	27	13.8
CO18035RA	Colorado State University exp.	HRW	97.5	61	32	13.7
Crescent AX	PlainsGold	HRW	97.0	63	35	13.3
KS Silverado	Kansas Wheat Alliance	HWW	97.0	64	29	13.8
Canvas	PlainsGold	HRW	94.5	62	34	14.4
Monarch	PlainsGold	HWW	94.5	62	29	13.5
CP7017AX	CROPLAN	HRW	92.5	62	27	14.2
Breck	PlainsGold	HWW	92.0	61	31	14.5
CO18SFD009W	Colorado State University exp.	HWW	91.5	60	29	14.2
Kivari AX	PlainsGold	HRW	89.0	60	35	13.1
CO13D1479	Colorado State University exp.	HWW	88.0	61	38	14.1
CO18042RA	Colorado State University exp.	HRW	87.5	60	36	14.0
Breakthrough	Oklahoma Genetics, Inc.	HRW	87.0	61	33	13.8
Guardian	PlainsGold	HRW	86.5	61	35	14.1
Byrd CL Plus	PlainsGold	HRW	86.0	61	38	13.7
CP7266AX	CROPLAN	HRW	85.0	61	34	14.0
Fortify SF	PlainsGold	HRW	77.0	61	34	14.7
Snowmass 2.0	PlainsGold	HWW	75.5	60	36	13.7
Ray	PlainsGold	HRW	67.0	54	39	15.1
Average			90.5	61	33	13.9
^b LSD (0.30)			6.0	1		
^b LSD (0.05)			11.5	2		
Coefficient of Variation (CV)			8.7			

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

^bFarmers selecting a variety based on yield should use the LSD (0.30) to protect from false negative decisions. Companies or researchers may be interested in the LSD (0.05) to avoid false positive conclusions.

Site Information

Collaborator: Mike Dorman

Harvest date: July 13, 2022

Planting date: October 12, 2021

Soil Type: Kuma-Keith silt loams

GPS Coordinates: 39.40709, -102.15592

Trial Comments: Planted into heavy tilled corn residue. Good fall emergence and some growth. In mid-May trial had more growth but was later in maturing due to Oct. planting date. Volunteer wheat was noted in the trial in the spring at low to moderate levels. Wheat stem sawfly was present at low levels, but no lodging occurred. Radar estimates showed the trial received 9.4" of precipitation and 3808 growing degree-days (GDD) (base 32°F) from Jan. 1st through July 13th, which was 2.5" below and 37 GDD below the 10-year average, respectively. Trial was irrigated in fall and again in spring and early summer as water was available.

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