



2021 Limited Irrigation Winter Wheat
Variety Performance Trial at Holyoke

Variety	Brand/Source	Market Class	Grain Yield ^a bu/ac	Test Weight lb/bu	Plant Height in	Protein percent
Snowmass 2.0	PlainsGold	HWW	76	59	32	10.9
Crescent AX	PlainsGold	HRW	74	60	35	13.1
EXP 301	Allegiant	HRW	73	60	31	15.2
KS Silverado	Kansas Wheat Alliance	HWW	72	61	32	12.9
Canvas	PlainsGold	HRW	70	61	29	11.4
CO18D297R	Colorado State University exp.	HRW	70	60	33	14.4
CO18D007W	Colorado State University exp.	HWW	70	59	32	14.8
CO13007-F6R	Colorado State University exp.	HRW	69	59	34	14.1
KS Hamilton	Kansas Wheat Alliance	HRW	69	60	29	12.1
Guardian	PlainsGold	HRW	68	60	33	12.1
EXP 303	Allegiant	HRW	68	63	31	14.8
Kivari AX	PlainsGold	HRW	67	58	33	13.7
CO18D076W	Colorado State University exp.	HWW	67	57	33	13.9
CO16D402W	Colorado State University exp.	HWW	67	57	31	11.0
CO16D1487	Colorado State University exp.	HRW	67	61	32	13.5
CP7017AX	CROPLAN by WinField United	HRW	67	59	29	15.1
CO16SF032	Colorado State University exp.	HRW	67	59	35	14.6
CO16SF027	Colorado State University exp.	HRW	66	59	33	13.9
Brawl CL Plus	PlainsGold	HRW	66	60	33	13.6
Breck	PlainsGold	HWW	65	61	31	13.3
Monarch	PlainsGold	HWW	65	58	31	12.5
CP7050AX	CROPLAN by WinField United	HRW	64	62	36	14.9
CO16SF067	Colorado State University exp.	HRW	64	61	36	-
Breakthrough	Oklahoma Genetics Inc.	HRW	62	61	29	15.8
CO16SF070	Colorado State University exp.	HRW	60	56	32	12.7
WB4595	WestBred	HRW	59	62	32	14.7
WB4418	WestBred	HRW	58	59	30	13.6
Lonerider	Oklahoma Genetics Inc.	HRW	55	60	30	15.8
	Average		67	60	32	13.6
	^b LSD (0.30)		4	1		
	^b LSD (0.05)		8	1		

^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: Sprague Farms
Harvest date: July 10, 2021
Planting date: October 13, 2020
Soil Type: Kuma silt loam
GPS Coordinates: 40.91638, -102.04747

Trial Comments: Planted after corn harvest, to a depth of about 2.5" into tilled ground. Uniform stands but little fall growth due to late date of planting. Trial on limited-irrigation pivot, no lodging noted at harvest. Radar estimates showed the trial received 11.8" of precipitation and 3493 growing degree-days (GDD) (base 32°F) from Jan. 1st through July 10th, which was 0.9" and 33 GDD below the 10-year average, respectively.

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