



2024 Irrigated Winter Wheat Variety Performance Trial at Wiggins

Variety	Brand/Source	Market Class	Grain Yield ^a bu/ac	Test Weight lb/bu	Lodging score (1-9) ^b	Plant Height in	Protein percent
CO20SFD020R	Colorado State University exp.	HRW	167.5	63.0	1	30	10.7
CO19D304R	Colorado State University exp.	HRW	163.0	61.5	1	33	10.7
Byrd CL Plus	PlainsGold	HRW	161.5	61.5	1	34	11.3
Amplify SF	PlainsGold	HRW	158.5	61.0	1	34	11.0
CO20022RC	Colorado State University exp.	HRW	156.0	62.5	2	32	11.6
CO18D297R	Colorado State University exp.	HRW	155.0	62.5	1	34	11.3
Breck	PlainsGold	HWW	155.0	61.5	1	31	12.1
Windom SF	PlainsGold	HWW	153.5	57.0	1	28	11.4
Crescent AX	PlainsGold	HRW	153.0	61.0	6	30	12.0
CO21SF191RA	Colorado State University exp.	HRW	153.0	60.0	1	33	11.3
Monarch	PlainsGold	HWW	152.0	62.0	1	29	11.3
SY Wolverine	AgriPro	HRW	151.0	60.0	1	32	12.0
CO18D007W	Colorado State University exp.	HWW	150.5	61.0	1	32	11.3
Canvas	PlainsGold	HRW	148.5	61.5	1	28	11.7
Guardian	PlainsGold	HRW	147.5	61.5	1	36	11.2
NE Prism CL2	NU Horizon Genetics	HRW	146.5	61.0	1	34	11.9
CP7017AX	CROPLAN	HRW	145.5	61.5	4	31	11.6
CO20SFD019R	Colorado State University exp.	HRW	145.0	60.5	1	30	12.0
LCS Atomic AX	Limagrain	HRW	145.0	60.5	2	33	12.0
Kivari AX	PlainsGold	HRW	144.5	58.0	6	30	10.3
Snowmass 2.0	PlainsGold	HWW	143.0	59.5	1	31	11.1
LCS Radar	Limagrain	HRW	141.5	60.0	1	30	12.0
LCS Steel AX	Limagrain	HRW	139.0	58.5	1	35	11.1
CP7266AX	CROPLAN	HRW	137.5	60.5	3	32	11.4
Average			150.5	60.7	2	32	11.4
°LSD (0.30)			2.9	0.7			
°LSD (0.05)			5.6	1.4			
Coefficient of Variation (CV)			3.2				

^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).

^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 15, 2024
 Planting date: October 3, 2023
 Soil Type: Heldt clay loam
 GPS Coordinates: 40.00743, -104.1009
 Trial Comments: Planted about 1.5" deep into dry bean residue. 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 was present at low levels, but lodging was due to high yield. Palisade plant growth regulator was applied in spring. Radar estimates showed the trial received 8.9" of precipitation in addition to irrigation and 3,954 growing degree-days (GDD) (base 32°F) from January 1st through July 15th.

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