



Variety	Brand/Source	Market Class	Grain Yield ^a	Test Weight	Wheat Stem Sawfly Cutting	Plant Height	Protein
			bu/ac	lb/bu	avg score (1-9) ^b	in	percent
Snowmass 2.0	PlainsGold	HWW	48	56	3	29	14.3
CO16SF027	Colorado State University exp.	HRW	48	57	2	37	13.5
KS Silverado	Kansas Wheat Alliance	HWW	47	59	3	30	14.0
KS Dallas	Kansas Wheat Alliance	HRW	47	56	3	31	13.0
CO18D076W	Colorado State University exp.	HWW	45	57	4	32	10.3
CO16D402W	Colorado State University exp.	HWW	45	55	3	29	10.9
CO16D1487	Colorado State University exp.	HRW	45	57	5	31	11.7
*Langin Trt 2	Indigo Ag	HRW	45	56	4	31	11.3
CO16SF032	Colorado State University exp.	HRW	45	58	2	33	11.1
Monarch	PlainsGold	HWW	45	55	2	31	10.6
CO18D297R	Colorado State University exp.	HRW	44	56	4	34	12.9
Langin	PlainsGold	HRW	44	55	4	30	13.0
*Langin Trt 1	Indigo Ag	HRW	44	56	4	31	13.7
EXP 301	Allegiant	HRW	43	56	3	31	12.1
Crescent AX	PlainsGold	HRW	43	56	3	34	14.2
KS Hamilton	Kansas Wheat Alliance	HRW	43	54	2	28	12.3
Fortify SF	PlainsGold	HRW	43	58	1	33	12.8
AP Solid	AgriPro	HRW	43	56	2	30	11.5
Byrd CL Plus	PlainsGold	HRW	43	56	3	34	14.7
WB4595	WestBred	HRW	42	56	3	32	14.8
EXP 303	Allegiant	HRW	42	57	3	32	10.8
CP7050AX	CROPLAN by WinField United	HRW	42	58	3	33	12.8
Byrd	PlainsGold	HRW	42	56	4	33	12.5
Kivari AX	PlainsGold	HRW	42	54	2	33	14.6
Avery	PlainsGold	HRW	41	55	4	31	13.4
Breck	PlainsGold	HWW	41	57	4	36	15.1
Brawl CL Plus	PlainsGold	HRW	41	56	4	33	13.7
LCS Atomic AX	Limagrain Cereal Seeds	HRW	41	54	4	33	13.8
WB4418	WestBred	HRW	41	56	2	30	14.5
CO18D007W	Colorado State University exp.	HWW	40	54	5	29	14.9
Canvas	PlainsGold	HRW	40	54	3	31	13.0
AP Roadrunner	AgriPro	HRW	40	56	3	32	16.9
Hatcher	PlainsGold	HRW	40	55	3	31	12.3
CO16SF070	Colorado State University exp.	HRW	40	53	2	31	14.3
CO13007-F6R	Colorado State University exp.	HRW	39	56	4	37	10.9
Denali	PlainsGold	HRW	39	56	4	33	12.7
LCS Julep	Limagrain Cereal Seeds	HRW	39	58	4	33	15.7
CO16SF067	Colorado State University exp.	HRW	39	57	2	36	11.7
Guardian	PlainsGold	HRW	38	56	5	34	14.0
Whistler	PlainsGold	HRW	38	55	4	33	12.9
CP7017AX	CROPLAN by WinField United	HRW	38	54	4	31	14.5
LCS Helix AX	Limagrain Cereal Seeds	HRW	38	56	5	31	15.2
Warhorse	Montana State University	HRW	37	56	1	27	14.7
Lonerider	Oklahoma Genetics Inc.	HRW	33	55	2	29	15.9
Average			42	56	3	32	13.3
°LSD (0.30)			2	1			
°LSD (0.05)			4	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).

^bWheat Stem Sawfly Cutting score: 1 equals no damage/cutting and 9 is severe damage/cutting, averaged across three replicates.

°Farmers 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.

*The Langin seed used in the Indigo Ag treatment was from a different source than the Langin seed by PlainsGold.

Site Information

Collaborator: Cooksey Farms

Harvest date: July 6, 2021

Planting date: September 17, 2020

Soil Type: Weld loam

GPS Coordinates: 40.06919, -104.28154

Trial Comments: Planted 1.75" deep into moisture into tall, no-till wheat residue. Good stands, but not much fall growth, and some plant emergence occurred in the spring. During the winter there was good soil moisture down to at least 4". Good growth in the spring and average moisture. Trial had cutting and some lodging from wheat stem sawfly. Trial received precipitation throughout May but conditions were hot and dry in June. Radar estimates showed the trial received 9.8" of precipitation and 3214 growing degree-days (GDD) (base 32°F) from Jan. 1st through July 6th, which was 0.1" and 140 GDD below the 10-year averages, respectively.

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