



Variety	Brand/Source	Market Class	Grain Yield ^a bu/ac	Test Weight lb/bu	Plant Height in
Snowmass 2.0	PlainsGold	HWW	89	57	34
CO18D007W	Colorado State University exp.	HWW	87	57	35
KS Silverado	Kansas Wheat Alliance	HWW	85	58	33
CO16D1487	Colorado State University exp.	HRW	83	59	35
KS Hamilton	Kansas Wheat Alliance	HRW	83	55	35
KS Dallas	Kansas Wheat Alliance	HRW	82	55	37
AP Solid	AgriPro	HRW	81	61	36
LCS Atomic AX	Limagrain Cereal Seeds	HRW	81	58	35
CO18D297R	Colorado State University exp.	HRW	80	59	38
Monarch	PlainsGold	HWW	80	59	34
*Langin Trt 2	Indigo Ag	HRW	80	56	38
EXP 301	Allegiant	HRW	80	58	35
CO16D402W	Colorado State University exp.	HWW	79	56	33
AP Roadrunner	AgriPro	HRW	78	56	37
Crescent AX	PlainsGold	HRW	78	55	37
LCS Julep	Limagrain Cereal Seeds	HRW	78	58	34
Byrd	PlainsGold	HRW	78	58	39
CO18D076W	Colorado State University exp.	HWW	78	57	33
CP7050AX	CROPLAN by WinField United	HRW	78	58	37
Breck	PlainsGold	HWW	78	56	37
Langin	PlainsGold	HRW	77	55	38
CO16SF032	Colorado State University exp.	HRW	77	57	40
EXP 303	Allegiant	HRW	77	58	37
Brawl CL Plus	PlainsGold	HRW	76	59	36
CP7017AX	CROPLAN by WinField United	HRW	76	56	32
CO13007-F6R	Colorado State University exp.	HRW	76	58	35
*Langin Trt 1	Indigo Ag	HRW	75	54	35
Canvas	PlainsGold	HRW	75	53	37
Avery	PlainsGold	HRW	74	56	36
Kivari AX	PlainsGold	HRW	74	53	37
Denali	PlainsGold	HRW	73	57	39
Fortify SF	PlainsGold	HRW	72	55	36
CO16SF070	Colorado State University exp.	HRW	72	56	37
LCS Helix AX	Limagrain Cereal Seeds	HRW	71	54	35
Byrd CL Plus	PlainsGold	HRW	70	55	37
WB4595	WestBred	HRW	70	56	37
Hatcher	PlainsGold	HRW	70	54	36
CO16SF027	Colorado State University exp.	HRW	69	54	38
Guardian	PlainsGold	HRW	69	55	39
WB4418	WestBred	HRW	69	57	33
Lonerider	Oklahoma Genetics Inc.	HRW	69	56	34
CO16SF067	Colorado State University exp.	HRW	67	57	36
Whistler	PlainsGold	HRW	63	52	41
Warhorse	Montana State University	HRW	60	55	39
	Average		76	56	36
	^b LSD (0.30)		4	1	
	^b LSD (0.05)		8	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).

^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.

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

Site Information

Collaborator: Andrews Brothers Farms

Harvest date: July 5, 2021

Planting date: September 18, 2020

Soil Type: Rago loam

GPS Coordinates: 40.18506, -102.66119

Trial Comments: Planted into moisture at 1.75" depth. Worked ground old wheat stubble. Excellent stands and fall growth. In early March top 4" of soil had some precipitation but needed rain soon. By end of April trial had lush growth and joint was about 3" above soil surface. Small amounts of Cephalosporium stripe in April. Trial had good moisture through May and most of June. Radar estimates showed the trial received 12.9" of precipitation and 3166 growing degree-days (GDD) (base 32°F) from Jan. 1st through July 6th, which was 2.1" above and 132 GDD below the 10-year average, respectively.