



Variety	Brand/Source	Market Class	Grain Yield ^a bu/ac	Test Weight lb/bu
EXP 303	Allegiant	HRW	46	60
CO18D297R	Colorado State University exp.	HRW	44	59
KS Hamilton	Kansas Wheat Alliance	HRW	42	58
Langin	PlainsGold	HRW	42	57
CO16D1487	Colorado State University exp.	HRW	42	59
Hatcher	PlainsGold	HRW	42	58
Canvas	PlainsGold	HRW	41	58
EXP 301	Allegiant	HRW	41	58
KS Dallas	Kansas Wheat Alliance	HRW	41	58
Avery	PlainsGold	HRW	41	58
Byrd	PlainsGold	HRW	41	58
Denali	PlainsGold	HRW	41	59
Guardian	PlainsGold	HRW	41	60
Kivari AX	PlainsGold	HRW	41	57
CO16D402W	Colorado State University exp.	HWW	41	58
WB4595	WestBred	HRW	40	59
KS Silverado	Kansas Wheat Alliance	HWW	40	58
Byrd CL Plus	PlainsGold	HRW	40	58
Crescent AX	PlainsGold	HRW	40	58
WB4418	WestBred	HRW	39	57
LCS Atomic AX	Limagrain Cereal Seeds	HRW	39	57
CO18D007W	Colorado State University exp.	HWW	39	58
Whistler	PlainsGold	HRW	39	57
CO13007-F6R	Colorado State University exp.	HRW	39	59
*Langin Trt 1	Indigo Ag	HRW	38	57
Breck	PlainsGold	HWW	38	59
CP7017AX	CROPLAN by WinField United	HRW	38	57
AP Solid	AgriPro	HRW	37	56
CO16SF070	Colorado State University exp.	HRW	37	55
LCS Julep	Limagrain Cereal Seeds	HRW	37	60
AP Roadrunner	AgriPro	HRW	37	57
CO16SF067	Colorado State University exp.	HRW	36	58
Fortify SF	PlainsGold	HRW	36	58
Snowmass 2.0	PlainsGold	HWW	36	58
Monarch	PlainsGold	HWW	35	58
CO16SF027	Colorado State University exp.	HRW	35	59
CO16SF032	Colorado State University exp.	HRW	35	58
CO18D076W	Colorado State University exp.	HWW	35	57
*Langin Trt 2	Indigo Ag	HRW	35	57
Brawl CL Plus	PlainsGold	HRW	34	58
CP7050AX	CROPLAN by WinField United	HRW	34	58
LCS Helix AX	Limagrain Cereal Seeds	HRW	33	59
Warhorse	Montana State University	HRW	30	55
Lonerider	Oklahoma Genetics Inc.	HRW	28	56
	Average		38	58
	^b LSD (0.30)		2	1
	^b LSD (0.05)		4	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.

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

Site Information

Collaborator: Scherler Farms
 Harvest date: July 9, 2021
 Planting date: September 11, 2020
 Soil Type: Kim-Harvey-Stoneham loams
 GPS Coordinates: 38.53533, -102.43567
 Trial Comments: Planted 1.5" deep into good moisture and standing corn residue and old milo stubble. Sandy ground, no-till. Moisture down to 3" at planting. Early March there was little to no soil moisture in the top 4" of soil profile, and little fall growth and poor stands. By the end of April stands were improved but variable plant size due to field residue and spring-emerged plants was evident. Brown wheat mites noted in April and variable plant heights and stands still noted. Good moisture by end of May, but hot and dry in June. Radar estimates showed the trial received 14.3" of precipitation and 3617 growing degree-days (GDD) (base 32°F) from Jan. 1st through July 10th, which was 6.4" above and 320 GDD below the 10-year average, respectively.