



Summary of 2022 Dryland Winter Wheat Variety Performance Results

Brand/Source	Market Class	Variety ^b	2022 Individual Trial Yield ^a			2022 Multi-Location Average				
			Julesburg	Roggen	Yuma	Test				
			bu/ac	bu/ac	bu/ac	Yield ^c	Yield	Weight	Protein ^c	Heading ^d
			bu/ac	% of avg	lb/bu	%	days from avg.			
PlainsGold	HRW	Avery	28.0	37.5	41.5	35.7	115%	59	13.1	3
PlainsGold	HRW	Kivari AX	27.5	37.5	41.0	35.3	114%	59	13.4	2
PlainsGold	HWW	Monarch	30.0	35.0	39.5	34.8	112%	59	13.6	-1
PlainsGold	HRW	Whistler	28.5	33.0	41.0	34.2	110%	59	13.6	-1
PlainsGold	HRW	Byrd	27.0	37.5	37.5	34.0	110%	59	13.2	-1
PlainsGold	HRW	Canvas	28.5	32.5	40.0	33.7	108%	60	13.5	-1
PlainsGold	HRW	Crescent AX	28.0	36.0	37.0	33.7	108%	59	14.1	-1
PlainsGold	HWW	Breck	29.5	31.5	37.0	32.7	105%	61	14.1	0
Kansas Wheat Alliance	HWW	KS Silverado	26.0	31.0	40.5	32.5	105%	60	14.1	-6
PlainsGold	HRW	Langin	27.5	34.5	35.0	32.3	104%	59	13.9	-8
Crop Research Foundation of Wyoming, Inc.	HRW	Steamboat	22.0	36.0	39.0	32.3	104%	60	14.5	0
PlainsGold	HRW	Amplify SF	24.5	35.5	36.5	32.2	104%	59	13.8	-1
AgriPro	HRW	AP Solid	26.0	30.0	40.0	32.0	103%	61	13.9	1
PlainsGold	HRW	Guardian	27.0	30.5	38.0	31.8	103%	59	13.8	0
PlainsGold	HRW	Byrd CL Plus	23.0	35.5	35.5	31.3	101%	59	13.6	-1
CROPLAN	HRW	CP7017AX	27.0	29.5	37.0	31.2	100%	60	13.6	2
Meridian Seeds	HRW	MS Maverick	26.5	32.0	34.5	31.0	100%	59	13.7	3
Kansas Wheat Alliance	HRW	KS Hamilton	22.0	31.5	36.5	30.0	97%	59	13.7	-1
AgriPro	HRW	AP Roadrunner	23.0	29.5	35.5	29.3	94%	57	13.9	1
PlainsGold	HRW	Hatcher	22.0	32.0	34.0	29.3	94%	59	13.4	3
Kansas Wheat Alliance	HRW	KS Dallas	24.5	30.0	32.5	29.0	93%	59	13.8	-1
PlainsGold	HWW	Windom SF	24.5	29.5	33.0	29.0	93%	57	14.3	0
PlainsGold	HRW	Fortify SF	22.5	31.0	32.0	28.5	92%	60	13.9	1
AgriPro	HRW	AP Bigfoot	26.0	25.5	33.5	28.3	91%	59	14.1	1
PlainsGold	HWW	Snowmass 2.0	24.0	29.5	30.0	27.8	90%	59	13.4	3
PlainsGold	HRW	Brawl CL Plus	24.0	25.5	33.5	27.7	89%	60	14.2	-2
PlainsGold	HWW	Sunshine	20.5	26.5	35.0	27.3	88%	59	14.4	0
AgriPro	HRW	SY Legend CL2	22.5	27.5	32.0	27.3	88%	59	14.2	-4
CROPLAN	HRW	CP7266AX	21.5	28.5	30.0	26.7	86%	59	14.0	2
PlainsGold	HRW	Ray	14.0	25.0	27.0	22.0	71%	54	15.8	8
Experimentals										
Colorado State University exp.	HRW	CO18035RA	29.5	35.5	41.5	35.5	114%	59	13.0	-3
Colorado State University exp.	HRW	CO17449R	28.0	35.0	41.0	34.7	112%	60	13.7	3
Colorado State University exp.	HRW	CO18042RA	27.0	37.0	36.5	33.5	108%	59	13.6	3
Colorado State University exp.	HRW	CO18D297R	29.0	34.0	37.5	33.5	108%	59	13.9	2
Colorado State University exp.	HWW	CO13D1479	28.5	33.0	38.5	33.3	107%	59	13.8	3
Colorado State University exp.	HWW	CO18D007W	27.0	34.0	38.0	33.0	106%	60	13.8	-1
Colorado State University exp.	HWW	CO16D402W	25.0	32.5	37.0	31.5	101%	59	14.5	1
Colorado State University exp.	HRW	CO16SF032	26.0	31.0	35.0	30.7	99%	60	13.4	3
Colorado State University exp.	HWW	CO18D076W	21.5	29.0	31.5	27.3	88%	59	14.8	3
Colorado State University exp.	HRW	CO16SF067	17.0	30.0	30.0	25.7	83%	59	15.2	2
		Average	25.2	31.9	36.0	31.0	100%	59	13.9	May 28, 2022
		^e LSD (0.30)	1.5	2.5	2.0					
		^e LSD (0.05)	3.0	4.5	4.0					

^aVarieties in the top LSD yield group in each location are in bold.

^bVarieties ranked according to released varieties or experimentals, and then by average yield across three trials in 2022.

^cYield and protein adjusted to 12% moisture content. Protein averaged across three trials in 2022.

^dVarieties with positive values headed later than the trial average and varieties with negative values headed earlier than the trial average of May 28th.

^eFarmers 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. Any yield differences among varieties that are less than or equal to the LSD value are not statistically significant.

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