



Summary of 2024 Dryland Winter Wheat Variety Performance Results - Northeast Region

Brand/Source	Market Class	Variety ^a	2024 Multi-Location Average					2024 Individual Trial Yield ^b		
			Yield ^b	Yield	Test		Heading ^d	Akron	Julesburg	Orchard
					bu/ac	percent of average				
AgriPro	HRW	AP Sunbird	79.3	114%	58.6	10.6	-2	101.0	75.0	62.0
PlainsGold	HWW	Monarch	77.2	111%	58.2	11.1	1	99.5	74.0	58.0
PlainsGold	HRW	Langin	76.0	109%	57.5	10.4	-2	98.0	70.0	60.0
PlainsGold	HRW	Crescent AX	74.5	107%	57.6	11.0	-1	94.0	66.0	63.5
PlainsGold	HWW	Snowmass 2.0	74.2	107%	57.9	11.1	-2	96.0	66.5	60.0
Crop Research Foundation of WY	HRW	Steamboat	73.8	106%	60.2	10.7	0	94.0	60.5	67.0
PlainsGold	HRW	Byrd	73.7	106%	58.0	10.8	-1	93.5	67.0	60.5
AgriPro	HRW	AP Bigfoot	73.3	105%	59.0	11.4	-1	94.0	65.5	60.5
PlainsGold	HRW	Avery	73.2	105%	57.3	10.3	0	97.0	63.5	59.0
PlainsGold	HRW	Canvas	73.2	105%	57.2	11.1	1	95.0	64.5	60.0
PlainsGold	HRW	Whistler	72.8	105%	56.9	11.3	2	95.5	68.5	54.5
PlainsGold	HWW	Breck	71.7	103%	58.3	11.0	0	90.0	65.5	59.5
PlainsGold	HRW	Kivari AX	71.3	103%	55.8	10.9	0	90.5	62.0	61.5
PlainsGold	HRW	Byrd CL Plus	71.0	102%	57.5	10.9	-1	89.0	64.0	60.0
CROPLAN	HRW	CP7017AX	70.7	102%	57.6	12.0	-1	89.5	67.5	55.0
PlainsGold	HRW	Fortify SF	69.0	99%	57.9	11.5	0	94.0	59.0	54.0
Frenchman Valley Coop	HWW	Valley	68.2	98%	57.9	11.0	0	90.0	63.5	51.0
Limagrain	HRW	LCS Radar	67.8	98%	57.5	12.0	-1	84.5	66.5	52.5
AgriPro	HRW	AP Solid	67.3	97%	58.8	12.1	1	79.5	63.5	59.0
PlainsGold	HRW	Amplify SF	66.8	96%	57.9	11.1	2	86.5	58.5	55.5
PlainsGold	HRW	Guardian	66.3	95%	58.4	11.4	0	86.0	59.0	54.0
NU Horizon Genetics	HRW	NHH19668	66.3	95%	59.6	11.9	-1	88.0	56.5	54.5
Kansas Wheat Alliance	HRW	KS Territory	66.2	95%	56.2	11.9	1	85.5	61.0	52.0
Limagrain	HRW	LCS Atomic AX	65.3	94%	58.9	11.4	2	88.0	55.5	52.5
Limagrain	HWW	LCS White Lightning	64.5	93%	59.3	11.7	-1	84.0	58.5	51.0
CROPLAN	HRW	CP7220	64.2	92%	56.8	12.2	0	77.5	63.0	52.0
PlainsGold	HWW	Windom SF	63.3	91%	53.0	11.8	1	83.0	56.0	51.0
Limagrain	HRW	LCS Steel AX	57.2	82%	57.2	11.0	2	69.0	54.0	48.5
Experimentals										
Colorado State University exp.	HRW	CO19410R	77.7	112%	58.9	10.9	0	102.0	71.5	59.5
Colorado State University exp.	HRW	CO19D087R	76.5	110%	57.1	10.5	-2	102.0	66.5	61.0
Colorado State University exp.	HWW	CO18D007W	73.7	106%	58.1	10.8	-1	94.0	69.0	58.0
Colorado State University exp.	HRW	CO20SFD020R	73.2	105%	58.9	11.1	1	98.0	67.0	54.5
Colorado State University exp.	HRW	CO18D297R	71.7	103%	59.0	11.6	1	96.0	64.5	54.5
Colorado State University exp.	HRW	CO19D304R	71.5	103%	56.1	10.9	0	93.5	69.0	52.0
Colorado State University exp.	HRW	CO20D108R	71.3	103%	58.0	10.5	0	93.0	65.5	55.5
Colorado State University exp.	HRW	CO20022RC	71.3	103%	56.7	11.2	2	91.0	63.5	59.5
Colorado State University exp.	HRW	CO18042RA	71.0	102%	57.1	10.1	-2	90.0	64.0	59.0
Colorado State University exp.	HRW	CO20SFD019R	70.5	101%	60.2	11.4	-2	92.5	66.0	53.0
Colorado State University exp.	HRW	CO200037R	70.2	101%	56.9	11.6	-1	94.0	60.5	56.0
Colorado State University exp.	HWW	CO19S129W	69.8	100%	58.2	11.6	1	91.0	62.5	56.0
Colorado State University exp.	HRW	CO19393R	66.0	95%	58.3	11.1	1	88.0	57.5	52.5
Colorado State University exp.	HWW	CO20SF014W	65.5	94%	53.5	11.2	-1	86.5	59.0	51.0
Colorado State University exp.	HRW	CO20SF141R	64.7	93%	55.0	10.8	0	81.0	59.0	54.0
Colorado State University exp.	HRW	CO18035RA	63.2	91%	57.6	10.5	0	81.5	58.5	49.5
Colorado State University exp.	HRW	CO21SF191RA	60.2	87%	55.3	11.9	2	75.0	56.5	49.0
Colorado State University exp.	HRW	CO21SF263RA	53.2	76%	55.5	12.3	2	70.0	49.0	40.5
Average			69.6	100%	57.6	11.2	0	90.0	63.0	55.5
°LSD (0.30)					0.7			3.6	2.7	2.9
°LSD (0.05)					1.3			6.9	5.1	5.5
Coefficient of Variation (CV)					1.1			5.1	6.5	8.2

^aVarieties grouped according to released varieties or experimentals, and then ranked from highest to lowest yield across three northeast Colorado region trials in 2024.

^bYield adjusted to 12% moisture content. Variety yield and test weight values in the top least significant difference (LSD) yield group are in bold. Multi-location test weight values for each variety are least squares means across the three sites and not arithmetic averages. Multi-location yield values for each variety are arithmetic averages from across the three sites and could not be statistically analyzed due to the wide variation among locations.

^cProtein adjusted to 12% moisture content and averaged across three trials in 2024.

^dVarieties with positive values headed later than the trial averages and varieties with negative values headed earlier than average. Based on three trials.

^eFarmers 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).