



## Summary of 2022 Irrigated Winter Wheat Variety Performance Results

Brand/Source	Market Class	Variety <sup>b</sup>	2022 Individual Trial Yield <sup>a</sup>			2022 Multi-Location Average				
			Fort			Yield <sup>c</sup>	Yield	Test		Heading <sup>d</sup>
			Burlington	Collins	Wiggins			Weight	Protein <sup>c</sup>	
			bu/ac			bu/ac	% of avg	lb/bu	%	days from avg.
Kansas Wheat Alliance	<b>HWW</b>	KS Silverado	97.0	83.5	66.0	82.2	104%	62	14.3	-4
PlainsGold	HRW	Canvas	94.5	80.5	69.5	81.5	104%	61	14.6	0
PlainsGold	<b>HWW</b>	Breck	92.0	79.0	<b>72.0</b>	81.0	103%	62	14.8	3
CROPLAN	HRW	CP7017AX	92.5	86.0	64.5	81.0	103%	62	14.5	0
PlainsGold	<b>HWW</b>	Monarch	94.5	83.5	64.5	80.8	103%	60	13.6	2
PlainsGold	HRW	Crescent AX	97.0	77.0	68.0	80.7	102%	61	13.9	-7
PlainsGold	HRW	Kivari AX	89.0	84.5	68.0	80.5	102%	61	13.0	-2
PlainsGold	<b>HWW</b>	Windom SF	91.5	74.0	<b>75.5</b>	80.3	102%	61	14.4	1
PlainsGold	HRW	Byrd CL Plus	86.0	83.0	63.0	77.3	98%	61	14.2	1
Oklahoma Genetics, Inc.	HRW	Breakthrough	87.0	73.0	65.5	75.2	95%	61	14.2	0
PlainsGold	HRW	Brawl CL Plus	99.0	66.0	59.0	74.7	95%	61	14.9	-4
PlainsGold	HRW	Guardian	86.5	84.0	53.5	74.7	95%	61	14.9	1
PlainsGold	HRW	Fortify SF	77.0	74.0	<b>71.5</b>	74.2	94%	60	14.5	-3
PlainsGold	HRW	Ray	67.0	81.0	<b>71.0</b>	73.0	93%	53	15.4	9
CROPLAN	HRW	CP7266AX	85.0	72.0	59.5	72.2	92%	61	14.3	0
PlainsGold	<b>HWW</b>	Snowmass 2.0	75.5	69.5	56.5	67.2	85%	61	14.0	2
<b>Experimentals</b>										
Colorado State University exp.	<b>HWW</b>	CO18D007W	<b>110.5</b>	84.5	64.5	86.5	110%	61	14.1	0
Colorado State University exp.	HRW	CO18D297R	98.0	<b>92.0</b>	68.5	86.2	109%	61	14.1	1
Colorado State University exp.	HRW	CO17449R	99.5	80.5	66.5	82.2	104%	62	14.0	3
Colorado State University exp.	HRW	CO18035RA	97.5	83.5	62.5	81.2	103%	60	14.0	-4
Colorado State University exp.	HRW	CO18042RA	87.5	<b>89.5</b>	63.0	80.0	102%	60	14.5	0
Colorado State University exp.	<b>HWW</b>	CO13D1479	88.0	79.5	<b>71.5</b>	79.7	101%	60	14.3	1
<b>Average</b>			<b>90.5</b>	<b>80.0</b>	<b>65.6</b>	<b>78.7</b>	<b>100%</b>	<b>61</b>	<b>14.3</b>	<b>May 26, 2022</b>
LSD (0.30)			6.0	2.5	4.5					
LSD (0.05)			11.5	5.0	9.0					

<sup>a</sup>Varieties in the top LSD yield group in each location are in bold.

<sup>b</sup>Varieties ranked according to released varieties or experimentals, and then by average yield across three trials in 2022.

<sup>c</sup>Yield and protein adjusted to 12% moisture content. Protein averaged across two trials in 2022.

<sup>d</sup>Varieties with positive values headed later than the trial average and varieties with negative values headed earlier than the trial average of May 26th.

<sup>e</sup>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. Any yield differences among varieties that are less than or equal to the LSD value are not statistically significant.

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