



Summary of 2022 Irrigated Winter Wheat Variety Performance Results

Brand/Source	Market Class	Variety ^b	2022 Individual Trial Yield ^a			2022 Multi-Location Average				
			Fort			Yield ^c	Yield	Weight	Protein ^c	Heading ^d
			Burlington	Collins	Wiggins					
Kansas Wheat Alliance	HWW	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	HWW	Breck	92.0	79.0	72.0	81.0	103%	62	14.8	3
CROPLAN	HRW	CP7017AX	92.5	86.0	64.5	81.0	103%	62	14.5	0
PlainsGold	HWW	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	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	71.5	74.2	94%	60	14.5	-3
PlainsGold	HRW	Ray	67.0	81.0	71.0	73.0	93%	53	15.4	9
CROPLAN	HRW	CP7266AX	85.0	72.0	59.5	72.2	92%	61	14.3	0
PlainsGold	HWW	Snowmass 2.0	75.5	69.5	56.5	67.2	85%	61	14.0	2
Experimentals										
Colorado State University exp.	HWW	CO18D007W	110.5	84.5	64.5	86.5	110%	61	14.1	0
Colorado State University exp.	HRW	CO18D297R	98.0	92.0	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.	HWW	CO18SFD009W	91.5	74.0	75.5	80.3	102%	61	14.4	1
Colorado State University exp.	HRW	CO18042RA	87.5	89.5	63.0	80.0	102%	60	14.5	0
Colorado State University exp.	HWW	CO13D1479	88.0	79.5	71.5	79.7	101%	60	14.3	1
Average			90.5	80.0	65.6	78.7	100%	61	14.3	May 26, 2022
°LSD (0.30)			6.0	2.5	4.5					
°LSD (0.05)			11.5	5.0	9.0					

^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 two 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 26th.

^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.

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