Washington State University Extension

Hard Red Winter Wheat Variety Characteristics

Variety	Class[a]	Year Released	Plant Height	Maturity	Emergence Rating[b]	Winter Survival Index[c]	Aluminum Tolerance[d]	Lodging Rating[e]	Hessian Fly Rating[f]	Stripe Rust Rating[f]	Possible HTAP[g] Resistance	Snow Mold Rating[h]	Straw Breaker Rating[h]	Ceph. Stripe Rating[h]	Soil-borne Wheat Mosaic Virus Rating	Falling Number Rating[h]	End Use Quality[i]
Battle AX	HRW	2021	Medium	Early-Med.	6	7	MTS	4	R	S	Low	--	--	--	--	--	--
Canvas	HRW	2021	Medium	Early-Med.	--	2	S	2	R	S	Low	--	--	--	--	--	--
Guardian	HWW	2021	Medium	Early-Med.	7	2	S	8	R	S	Low	--	--	--	--	--	MD
Irv	HWW	2018	Medium	Medium	--	8	S	1	S	MS	Moderate	--	--	--	S	--	MD
Kairos	HRW	2020	Short	Early-Med.	--	8	S	2	S	R	Low	--	--	--	--	--	--
Keldin	HRW	2011	Medium	Early-Med.	5	3	S	4	S	MS	Moderate	6	8	7	--	--	D
Kivari AX	HRW	2022	--	--	2	--	--	--	S	--	--	--	--	--	--	--	--
LCS Eclipse AX	HRW	--	--	--	6	--	--	--	S	--	--	--	--	--	--	--	--
LCS Evina	HRW	2018	Med.-Tall	Med.-Tall	--	8	S	1	S	R	High	--	--	--	S	--	A
LCS Helix AX	HRW	2021	--	--	7	3	MTS	7	S	MS	Low	--	--	--	--	--	A
LCS Jet	HRW	2015	Short-Med.	Early-.Med.	5	5	S	1	S	MS	Low	6	1	6	S	4	A
LCS Rocket	HRW	2018	Medium	Medium	--	8	S	2	S	R	High	8	6	6	S	5	A
Millie	HWW	2021	Medium	Medium	--	6	S	1	R	MR	Moderate	--	--	--	S	--	MD
Scorpio	HRW	2019	Short-Med.	Medium	6	6	T	1	MR	MR	Low	--	7	4	S*	--	MD
Sequoia	HRW	2015	Tall	Med.-Late	5	5	S	--	--	MR	Low	--	--	--	S*	--	D
Snowmass 2.0	HRW	2021	Medium	Medium	--	5	S	--	S	S	Low	--	--	--	--	--	--
WB4303	HRW	2018	Medium	Early-Med.	5	4	T	2	S	S	Low	7	6	8	R	6	A
WB4311	HRW	2017	Medium	Early-Med.	7	6	MTS	2	S	R	Moderate	2	5	7	MS	7	D
WB4394	HRW	2020	Med.-Tall	Medium	5	5	MT	3	S	MR	Low	--	9	--	--	--	A
WB4510CLP	HRW	2017	Med.-Tall	Medium	5	3	S	4	S	R	High	--	--	--	--	--	--
Whistler	HRW	2021	Med.-Tall	Early-Med.	8	3	T	7	S	S	Low	--	--	--	R	--	--

[a] HRW = Hard Red Winter Wheat, HWW = Hard White Winter Wheat

[b] Rating reflects the likelihood of good emergence under adverse planting conditions using deep furrow planting from 1 to 9, where 1 = highly likely and 9 = very unlikely.

[c] Rankings from 1-9, 1 = highest survival, 9 = lowest survival.

[d] T = Tolerant, TMT = Tolerant- Moderately Tolerant, MT = Moderately Tolerant, MTS = Moderately Tolerant-Susceptible, S = Suscpetible

[e] Rating from 1 to 9, 1 = least likely to lodge, 9=most likely to lodge.

[f] R = resistant, MR = moderately resistant, MS = moderately susceptible, and S =susceptible.

[g] The high-temperature adult-plant (HTAP) resistance data were based on greenhouse tests. Unknown= Wheat the entry has HTAP
resistance or not couldn't be determined as it was resistant to all tested races in the seedling stage. TBT= to be tested. Entries with
the combination of Yr5 and/or Yr15 may not have HTAP resistance but their resistance should be highly effective as no races virulent
to either of the genes are found in the US.

[h] Rating reflects the degree of resistance and ranges from 1 to 9, where 1= highly resistant and 9= highly susceptible.

[i] MD= Most Desirable, D= Desirable, A= Acceptable, LD= Least Desirable

*Soil-borne Wheat Mosaic Virus Rating based off of genetic markers and not confirmed in field setting.