

Description of winter wheat varieties in eastern Colorado trials.

Name, Class, and Pedigree	Origin	RWA*	HD	HT	SS	COL	YR	LR	WSMV	TW	MILL	BAKE	Comments
Above Hard red winter TAM 110*4/FS2	CSU-TX 2001	S	5	5	3	7	9	9	5	5	4	7	CSU/Texas A&M release (2001). Clearfield* winter wheat. Early maturing semidwarf, excellent dryland yield in CO. Leaf and stripe rust susceptible. Marginal baking quality.
Ankor Hard red winter Akron/Halt//4*Akron	CSU 2002	R*	5	6	5	5	8	9	9	5	6	5	CSU release (2002). Backcross derivative of Akron with resistance to RWA biotype 1.
Anton Hard white winter WA691213-27/N86L177//Platte	NE-USDA 2008	S	9	2	1	4	7	6	--	3	7	7	University of Nebraska-USDA release (2008), first entered in CSU irrigated trials in 2008. Short semidwarf, medium maturing, hard white winter wheat (HWW). Excellent straw strength, best adapted to irrigated production.
AP00x0100-51 Hard red winter W95-301/W98-151	Agripro EXP	S	4	5	5	4	3	3	--	3	--	--	Unreleased Agripro hard red experimental line. First entered in CSU trials in 2009, no prior testing in regional breeder trials.
Armour Hard red winter B1551-WH/KS94U326	Westbred 2008	S	1	1	1	7	2	8	--	7	5	5	Westbred release (2008). First entered in CSU trials in 2009. Early maturing semidwarf, stripe rust resistance.
Aspen Hard white winter TAM 302/B1551W	Westbred 2006	S	3	2	1	6	4	3	5	7	6	6	Westbred release (2006). Hard white winter wheat (HWW), good sprouting tolerance. Short semidwarf, good leaf and stripe rust resistance. First tested in CSU irrigated trials in 2007 and dryland trials in 2008.
Avalanche Hard white winter KS87H325/Rio Blanco	CSU 2001	S	6	6	5	5	8	8	5	2	2	5	CSU release (2001). Hard white winter wheat (HWW), sister selection to Trego, high test weight. Leaf and stripe rust susceptible. Moderate sprout susceptibility.
Baca Hard red winter Scout Selection	CSU 1973	S	5	9	9	9	6	4	7	4	3	3	CSU release (1973). Developed from a selection from Scout. Early maturing, tall, long coleoptile, good emergence and fall growth and stand establishment characteristics. Low yield relative to modern wheat varieties.
Bill Brown Hard red winter Yumar/Arlin	CSU 2007	R*	5	3	4	2	4	2	6	2	4	3	CSU release (2007). Good dryland and irrigated yield record in CSU trials. High test weight, good leaf and stripe rust resistance. Stem rust susceptible. Good baking quality, short coleoptile.
Bond CL Hard red winter Yumar//TXGH12588-120*4/FS2	CSU 2004	R*	6	6	6	5	8	6	8	8	7	3	CSU release (2004). Clearfield* winter wheat. Slightly later, slightly taller than Above. Excellent dryland yield in CO, very high irrigated yields, excellent baking quality, lower test weight. Leaf and stripe rust susceptible.

Russian wheat aphid resistance (RWA), heading date (HD), plant height (HT), straw strength (SS), coleoptile length (COL), stripe rust resistance (YR), leaf rust resistance (LR), wheat streak mosaic virus tolerance (WSMV), test weight (TW), milling quality (MILL), and baking quality (BAKE). Rating scale: 1 - very good, very resistant, very early, or very short to 9 - very poor, very susceptible, very late, or very tall.

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Camelot Hard red winter KS91H184/Arline SIB//KS91HW29/3/NE82761/Redland/4/VBF0168	NE 2008	S	3	7	7	6	7	2	--	6	6	6	Nebraska release (2008). Medium-early, taller wheat. Good leaf rust resistance, moderately susceptible to stripe rust. First entered in CSU dryland trials in 2008.
CSU Blend09 Hard red winter Hatcher-Ripper Blend	CSU 2004/2006	R*	3	4	4	--	6	8	--	6	--	--	50:50 blend of Hatcher and Ripper. First entered into CSU Dryland Variety Trial (UVPT) in 2009.
Danby Hard white winter TREGO/JGR 8W	KSU 2005	S	4	5	4	4	4	6	5	2	2	7	KSU-Hays release (2005). Hard white wheat (HWW), very high test weight. Similar to Trego with improved stripe rust resistance and preharvest sprouting tolerance.
Duster Hard red winter WO405D/HGF112//W7469C/HCF012	OK 2006	S	8	8	3	2	8	2	7	4	3	5	Oklahoma State release (2006). Good yield performance in western Plains breeder trials, first tested in CSU trials in 2007. Medium tall, medium late, short coleoptile, leaf rust resistant, stripe rust susceptible.
Fuller Hard red winter Bulk selection	KSU 2006	S	2	3	8	4	2	2	5	5	6	5	KSU-Manhattan release (2006). First tested in CSU trials in 2007. Early maturing semidwarf. Average test weight, good leaf and stripe rust resistance. Lower straw strength.
Goodstreak Hard red winter SD3055/KS88H164//NE89646 (=COLT*2/PATRIZANKA)	NE 2002	S	6	9	8	9	5	5	8	3	2	8	Nebraska release (2002). Later maturing tall wheat. Long coleoptile, good test weight, marginal baking quality.
Hatcher Hard red winter Yuma/PI 372129//TAM-200/3/4*Yuma/4/KS91H184/Vista	CSU 2004	R*	6	2	6	5	4	8	8	4	2	4	CSU release (2004). Medium maturing semidwarf. Good test weight, good stripe rust resistance. Excellent dryland yield across the High Plains, good milling and baking quality. Develops "leaf speckling" condition.
Hawken Hard red winter Rowdy/W96-427	Agripro 2006	S	2	2	2	5	2	2	8	4	5	6	Agripro release (2006). First tested in CSU trials in 2007. Medium maturing, short semidwarf. Good leaf and stripe rust resistance, good straw strength, good quality.
Hitch Hard red winter 53/3/ABL/1113//K92/4/JAG/5/KS89180B	Westbred 2008	S	6	2	2	2	3	8	--	4	6	8	Westbred release (2008). First entered in CSU trials in 2009, positioned for High Plains irrigated production. Good straw strength, good stripe rust resistance, marginal baking quality.
Infinity CL Hard red winter Windstar/3/NE94481//TXGH125888-120*4/FS2	NE 2004	S	5	7	6	6	4	3	--	4	4	4	Nebraska release (2005). Clearfield* winter wheat. Medium maturing, taller wheat. Improved baking quality relative to Above. Develops "leaf speckling" similar to Hatcher.

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Jagalene Hard red winter Abilene/Jagger	Agripro 2001	S	5	5	5	4	3	9	4	3	2	5	Agripro release (2001). Good test weight, good stripe rust resistance, good wheat streak mosaic virus tolerance. Observed to shatter in CO and KS trials. Very leaf rust susceptible.
Jagger Hard red winter KS82W418/Stephens	KSU 1994	S	3	5	5	5	2	9	4	5	5	3	KSU-Manhattan release (1994). Early maturing semidwarf, good baking quality, good WSMV tolerance and stripe rust resistance, very leaf rust susceptible. Breaks dormancy very early in the spring.
Keota Hard red winter Custer/Jagger	Westbred 2005	S	5	6	5	5	2	8	8	6	6	6	Westbred release (2005). First tested in CSU trials in 2005. Good stripe rust resistance, leaf rust susceptible. Taller plant stature, maintains height under stress.
Mace Hard red winter YUMA//T-57/3/CO850034/4/4*YUMA/5/(KS91H184/ARLIN S/KS91HW29//NE89526)	NE-USDA 2007	S	8	3	2	1	2	4	1	9	6	3	Nebraska release (2008). First entered in CSU trials in 2009. Later maturing, medium height. Excellent resistance to wheat streak mosaic virus but low yield in absence of wheat streak. Low test weight, very short coleoptile.
NuDakota Hard white winter Jagger/Romanian	Agripro 2005	S	5	2	3	4	2	2	4	9	7	5	Agripro release (2005). Hard white wheat (HWW). Medium maturing, short semidwarf. Very good dryland and irrigated yields, good leaf and stripe rust resistance. Moderate sprouting tolerance, very low test weight.
OK Rising Hard white winter KS96WGRC39/Jagger	OK 2008	S	4	5	2	3	3	8	--	6	2	2	Oklahoma State release (2008). Hard white reselection from OK Bullet. First entered in CSU dryland and irrigated trials in 2008. Excellent straw strength and quality, good stripe rust resistance, good sprout tolerance.
Overland Hard red winter Millennium 'S'/ND8974	NE 2006	S	9	8	4	5	3	2	--	7	5	8	Nebraska release (2006) as "Husker Genetics Brand Overland". First tested in CSU trials in 2007. Taller, later maturing. Good leaf and stripe rust resistance, lower test weight, poor baking quality.
Prairie Red Hard red winter CO850034/PI372129//5*TAM 107	CSU 1998	R*	4	3	3	6	9	9	5	6	4	7	CSU release (1998). Backcross derivative of TAM 107, resistant to RWA biotype 1. Good stress tolerance, poor end-use quality reputation, lower yields relative to more recent wheat releases.
Prowers 99 Hard red winter CO850060/PI372129//5*Lamar	CSU 1999	R*	9	8	8	8	5	6	7	2	5	1	CSU release (1999), reselection from Prowers. Tall, long coleoptile, medium-late maturity, high test weight, excellent milling and baking quality characteristics.
Ripper Hard red winter CO940606/TAM107R-2	CSU 2006	R*	2	4	4	7	9	9	7	7	2	2	CSU release (2006). Excellent stress tolerance, high dryland yields in Colorado, excellent milling and baking quality. Very good recovery from stand reduction. Leaf and stripe rust susceptible, lower test weights.

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Sandy Hard red winter Mexican spring semidwarf/Trapper//Centurk	CSU 1981	S	5	8	6	8	8	8	--	4	3	4	CSU release (1981). Tall, medium-late, good stand establishment, good tolerance to root rot and crown rot. Low yield relative to modern wheat varieties.
Settler CL Hard red winter N95L164/3/MILLENNIUM SIB//TXGH125888-120*4/FS2	NE 2008	S	8	5	3	6	7	8	--	4	4	6	Nebraska release (2008). Clearfield* winter wheat. First entered in CSU dryland trials in 2008, good dryland yield on two-year average. Later maturing, medium height. Moderately susceptible to leaf and stripe rust.
Smoky Hill Hard red winter 97 8/64 MASA	Westbred 2006	S	6	3	4	4	2	2	8	5	5	2	Westbred release (2006). First tested in CSU trials in 2007. Medium late, shorter semidwarf. Good leaf and stripe rust resistance, good baking quality.
Snowmass Hard white winter KS96HW94//Trego/CO960293	CSU 2009	S	7	6	8	5	4	5	2	4	2	2	CSU release (2009). Medium-maturing, taller semidwarf. Good resistance to wheat streak mosaic virus and stripe rust, moderate sprouting resistance, excellent milling and baking quality.
TAM 111 Hard red winter TAM-107//TX78V3630/CTK78/3/TX87V1233	TX 2002	S	6	7	3	6	2	8	5	2	3	4	Texas A&M release (2002), marketed by Agripro. Medium maturing, taller wheat. Good test weight, good milling and baking quality, good straw strength. Leaf rust susceptible, good stripe rust resistance.
TAM 112 Hard red winter U1254-7-9-2-1/TXGH10440	TX 2005	S	2	4	7	7	9	9	2	2	6	6	Texas A&M release (2005), marketed by Watley Seed. First tested in CSU trials in 2007. Good test weight, good quality, excellent wheat streak mosaic virus tolerance. Susceptible to leaf and stripe rust, lower straw strength.
Thunder CL Hard white winter KS01-5539/CO99W165	CSU 2008	R*	4	4	3	5	3	5	4	4	5	2	CSU release (2008). Hard white Clearfield* wheat. Good straw strength, top yields under irrigation. Excellent baking quality, moderate resistance to stripe rust and wheat streak mosaic virus, moderate sprout susceptibility.
Trego Hard white winter KS87H325/Rio Blanco	KSU 1999	S	6	4	6	5	8	7	5	2	2	6	KSU release (1999). Hard white winter wheat (HWW), medium-late maturity, semidwarf, high test weight. Susceptible to both leaf and stripe rust.
Winterhawk Hard red winter 474S10-1/X87807-26//HBK0736-3	Westbred 2007	S	5	5	5	7	3	8	5	2	2	4	Westbred release (2007). First tested in CSU dryland trials in 2008. Medium maturing, medium tall, longer coleoptile. Good stripe rust resistance, susceptible to both leaf and stem rust. Good test weight, good quality.
Yuma Hard red winter NS14/NS25//2*Vona	CSU 1991	S	6	3	3	2	6	5	6	6	7	3	CSU release (1991). Medium maturity, semidwarf, short coleoptile, good baking quality characteristics. Good yields under dryland conditions and especially under irrigation.

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