

Small Grain Quick Facts: Hard Red Spring Wheat
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<http://plantsciences.montana.edu/foundationseed/quickfacts>

VIDA - Vida was derived from the cross of Scholar/Reeder and is a semi dwarf hard red spring wheat with white glumes and awns. Vida is moderately resistance to leaf and stripe rust but is moderately susceptible to stem rust. Vida has good milling and baking characteristics.

REEDER - Developed by the North Dakota Agricultural Experiment Station from the cross IAS#4/H567.71//Stoa/3/ND674. Reeder was released in 1999. Reeder is an awned, semidwarf hard red spring wheat. Reeder yields well especially in northeastern Montana and western North Dakota. Reeder has resistance to the upper Midwest races of stem and leaf rust. Milling and baking qualities are acceptable.

DUCLAIR - Duclair was derived from a cross of Choteau//Reeder/Scholar. Duclair is a solid stem semidwarf hard red spring wheat with white glumes and awns. Compared with Choteau, Duclair is one day earlier in heading date and one inch taller. Duclair has slightly fewer solid stems than Choteau and generally has more solid stems than Fortuna. Duclair is resistant to the prevalent races of stem rust in Montana. Duclair exhibits good milling and baking traits.

LANNING – Lanning was released by the Montana Agricultural Experiment Station due to its yield potential in dryland areas of Montana and its superior end-use quality. Lanning was derived from the cross ‘Glenn’/MT0747 by single seed descent beginning in the F₂ generation. Lanning has grain yield similar to ‘Vida’ with higher grain protein and stronger gluten characteristics than Vida. Lanning is hollow-stemmed, suggesting that it will be susceptible to damage caused by the wheat stem sawfly.

NS PRESSER CLP – NS Presser CLP hard red spring wheat (*Triticum aestivum* L.) was developed by the Montana Agricultural Experiment Station and released in 2016 to the commercial partner Northern Seed LLC. NS Presser CLP is a two-gene Clearfield wheat intended for use with the selective imidazolinone herbicide imazamox (Beyond, BASF Corp.). NS Presser CLP was developed by a single backcross of alleles for resistance to the imidazolinone herbicide class into the recurrent parent ‘Vida’. Yield trials at sites in Montana showed that NS Presser CLP has yield potential under dryland production similar to Vida.

DAGMAR – Dagmar has similar grain yield potential to ‘Vida’ (PI 642366), the most widely grown cultivar in Montana. Stems of Dagmar are more solid than those of Vida, suggesting increased resistance to the wheat stem sawfly. Dagmar has higher grain protein and stronger gluten than Vida.

All varieties are covered by PVP and research fees are collected for (VIDA, DUCLAIR, LANNING, and DAGMAR).

Spring Wheat Variety Performance Evaluations: <http://plantsciences.montana.edu/crops>

Table 1. Agronomic parameters for selected varieties in the advanced spring wheat nursery, 2017-2020

VARIETY	KALISPELL, BOZEMAN, HUNTLEY, MOCCASIN, CONRAD, HAVRE, SIDNEY(DRY), SIDNEY(IRRI), & FORT BENTON						BOZEMAN
	YIELD (BU/AC)	TEST WEIGHT (LB/BU)	PROTEIN (%)	PLANT HEIGHT (IN)	HEADING (JULIAN DAYS)	HEADING DATE	STEM SOLIDNESS (5-25)
SY INGMAR	60.0	61.1	15.3	29.0	174	JUNE 23	9.5
SY ROCKFORD	63.8	59.9	14.4	29.8	176	JUNE 25	8.5
WB GUNNISON	59.5	61.4	13.9	28.9	174	JUNE 23	11.9
CORBIN	59.3	61.3	14.7	29.9	<u>172</u>	<u>JUNE 21</u>	12.1
FORTUNA	54.1	60.4	14.5	<u>36.0</u>	175	JUNE 24	14.9
LCS REBEL	62.8	62.0	15.0	32.3	173	JUNE 22	8.8
REEDER	62.1	60.9	14.9	31.3	175	JUNE 24	7.3
MCNEAL	60.5	59.8	14.7	31.5	176	JUNE 25	7.8
CHOTEAU	59.8	60.3	15.1	29.2	175	JUNE 24	22.6
VIDA	66.0	60.2	14.2	29.8	175	JUNE 24	11.8
DUCLAIR	63.6	60.2	14.5	30.0	<u>172</u>	<u>JUNE 21</u>	19.8
EGAN	59.2	59.4	<u>16.1</u>	30.4	176	JUNE 25	7.7
LANNING	62.8	60.5	15.2	29.1	173	JUNE 22	7.2
NS PRESSER CLP	<u>66.4</u>	59.3	14.5	32.0	178	JUNE 27	8.0
DAGMAR	<u>66.4</u>	61.3	15.0	30.5	<u>172</u>	<u>JUNE 21</u>	16.8
WB 9590	61.1	61.3	15.0	26.6	173	JUNE 22	8.7
WB 9719	65.6	<u>63.1</u>	14.3	28.5	176	JUNE 25	7.3
WB 9879 CLP	61.8	60.7	15.0	29.6	175	JUNE 24	<u>23.2</u>
ALUM	62.2	61.2	14.4	30.2	175	JUNE 24	9.1
LSD (0.05)	3.6	0.6	0.4	0.8	1.0	-	1.8
N=LOC*YEARS	N=29	N=29	N=29	N=29	N=28	N=28	N=4

