

**Small Grain Quick Facts: Hard Red Spring Wheat**  
**Jason Cook and Hwa young Heo, Montana State University (Updated January 2023)**  
<http://plantsciences.montana.edu/foundationseed/quickfacts>

**VIDA** - Vida is a high yielding semi dwarf hard red spring wheat variety released by Montana State University in 2005. Vida performs well in dryland environments and has moderate wheat stem sawfly resistance. Grain protein content and end-use quality are average.

**DUCLAIR** - Duclair is a solid stem, early maturing semidwarf hard red spring wheat variety released by Montana State University in 2011. Duclair has good yield potential and above average wheat stem sawfly resistance. Duclair exhibits above average grain protein content, good end-use quality and has tolerance to high aluminum soils.

**LANNING** – Lanning is a hollow stem, early maturing, semi dwarf hard red spring wheat variety released by Montana State University in 2016 due to good yield potential in dryland environments and superior end-use quality. Lanning has higher grain protein content and stronger gluten strength than Vida. Lanning is tolerant to high aluminum soils but susceptible to wheat stem sawfly.

**DAGMAR** – Dagmar is a semi-solid, high yielding, high protein, early maturing semi-dwarf hard red spring wheat variety released by Montana State University in 2019. Dagmar has performed very well in dryland environments, has excellent end-use quality and good resistance to wheat stem sawfly.

**MT SIDNEY** – MT Sidney is a hollow-stem, high yielding semi dwarf hard red spring wheat variety released by Montana State University in 2021. MT Sidney is moderately resistant to FHB (Scab), has 0.5% higher grain protein content than Vida, above average TWT and average end-use quality. MT Sidney is susceptible to wheat stem sawfly.

**MT 1809** – Released by the Montana Agricultural Experiment Station in 2023, MT 1809 is an unnamed variety that has high yield potential, good grain protein content and aluminum tolerance. MT 1809 is resistant to common races of stem rust, has moderate resistance to foliar disease and scab (fusarium head blight). MT 1809 is moderately susceptible to wheat stem sawfly and has average end-use quality. Registered seed will be available for this line in 2024.

All varieties are covered by PVP and research fees are collected for CHOTEAU, VIDA, DUCLAIR, LANNING, DAGMAR and MT SIDNEY.

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

**Table 1. Agronomic parameters for selected varieties in the advanced spring wheat nursery, 2019-2022**

VARIETY	KALISPELL, BOZEMAN, HUNTLEY, MOCCASIN, CONRAD, HAVRE, FORT BENTON, SIDNEY(DRY), and SIDNEY(IRRI)						BOZEMAN
	YIELD (BU/AC)	TEST WEIGHT (LB/BU)	PROTEIN (%)	PLANT HEIGHT (IN)	HEADING (JULIAN DAYS)	HEADING DATE	STEM SOLIDNESS (5-25)
MT 1809	<b>65.6</b>	60.0	14.4	29.4	179	28-Jun	12.3
DAGMAR	<b>64.4</b>	61.3	14.7	29.5	<b>176</b>	<b>25-Jun</b>	18.3
VIDA	<b>63.1</b>	60.5	13.9	29.6	179	28-Jun	13.1
SY ROCKFORD	<b>62.8</b>	59.8	14.4	28.9	180	29-Jun	8.9
WB 9719	61.7	<b>63.4</b>	14.1	27.7	180	29-Jun	7.3
MT SIDNEY	61.5	61.2	14.5	29.4	<b>177</b>	<b>26-Jun</b>	9.8
LANNING	60.4	60.4	<b>14.9</b>	28.1	<b>177</b>	<b>26-Jun</b>	8.1
SY LONGMIRE	60.3	61.6	14.5	28.4	178	27-Jun	20.1
DUCLAIR	60.0	59.9	14.5	29.4	<b>176</b>	<b>25-Jun</b>	19.7
SY 611 CL2	59.3	62.0	14.5	26.7	178	27-Jun	9.5
WB 9879 CLP	59.2	60.5	14.7	28.7	179	28-Jun	<b>23.0</b>
SY INGMAR	59.1	61.4	<b>15.0</b>	28.1	179	28-Jun	9.0
REEDER	59.0	61.1	14.6	<b>30.1</b>	179	28-Jun	7.7
WB GUNNISON	58.2	61.3	13.8	27.8	178	27-Jun	12.9
CHOTEAU	58.1	60.3	14.5	28.9	178	27-Jun	<b>21.8</b>
CORBIN	57.7	61.1	14.5	29.0	<b>177</b>	<b>26-Jun</b>	13.4
McNEAL	56.4	60.1	14.4	<b>30.3</b>	180	29-Jun	8.1
LSD (0.05)	<b>3.4</b>	<b>0.4</b>	<b>0.3</b>	<b>0.7</b>	<b>0.5</b>	-	<b>1.7</b>
N=LOC*YEARS	<b>30</b>	<b>29</b>	<b>30</b>	<b>29</b>	<b>24</b>	<b>24</b>	<b>4</b>

