

Small Grain Quick Facts: Hard Red Spring Wheat
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<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.

NS PRESSER CLP – NS Presser CLP is a high yielding hard red spring wheat Clearfield variety released by Montana State University in 2016 and licensed to Nutrien LLC. NS Presser CLP is a two-gene Clearfield variety intended for use with the selective imidazolinone herbicide imazamox (Beyond, BASF Corp.). It was developed by transferring the imidazolinone herbicide class resistance genes into Vida. Yield trials show NS Presser CLP’s yield potential, grain protein content and end-use quality is similar to Vida but is not as resistant 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.

All varieties are covered by PVP and research fees are collected for (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, 2018-2021

VARIETY	KALISPELL, BOZEMAN, HUNTLEY, MOCCASIN, CONRAD, HAVRE, 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)
DAGMAR	<u>67.1</u>	61.5	15.3	30.5	<u>174</u>	<u>JUNE 23</u>	18.5
VIDA	66.9	60.5	14.3	30.3	177	JUNE 26	13.0
NS PRESSER CLP	65.9	59.4	14.6	<u>31.9</u>	179	JUNE 28	8.1
WB 9719	65.6	<u>63.4</u>	14.4	28.5	178	JUNE 27	7.6
SY ROCKFORD	65.5	60.0	14.6	30.0	178	JUNE 27	8.9
MT SIDNEY	65.3	61.5	14.8	30.6	174	JUNE 23	9.8
LANNING	63.4	60.5	15.4	29.0	174	JUNE 23	7.6
SY LONGMIRE	63.2	61.5	15.0	28.9	176	JUNE 25	19.5
REEDER	62.3	61.1	15.0	31.4	176	JUNE 25	7.9
DUCLAIR	62.3	60.1	14.9	29.8	174	JUNE 23	20.0
SY 611 CL2	61.9	62.0	15.0	27.7	175	JUNE 24	9.1
WB 9590	61.8	61.4	15.3	26.3	174	JUNE 23	9.2
WB 9879 CLP	61.7	60.7	15.2	29.5	177	JUNE 26	<u>23.0</u>
SY INGMAR	61.6	61.4	15.4	28.9	176	JUNE 25	9.4
CHOTEAU	60.8	60.5	15.0	29.5	176	JUNE 25	22.0
WB GUNNISON	60.3	61.5	14.2	28.7	176	JUNE 25	12.5
SY McCLOUD	59.9	62.4	15.6	29.4	174	JUNE 23	9.2
CORBIN	59.2	61.3	15.0	29.9	174	JUNE 23	13.1
McNEAL	59.1	60.0	15.0	31.1	178	JUNE 27	8.3
EGAN	58.0	59.4	<u>16.3</u>	30.1	177	JUNE 26	8.2
LSD (0.05)	3.3	0.5	0.3	0.7	0.6	-	1.8
N=LOC*YEARS	28	28	28	28	26	26	4

