

Bolles HRSW (MN08165-8)

Bolles tested as MN08165-8, is a high protein spring wheat, well suited for much of the spring wheat growing region. In addition to its superior protein it has very good yield potential and high baking quality. Bolles yields are comparable to SY-Soren and higher than WB-Mayville with 1% better protein. It has excellent pre-harvest sprouting resistance and good test weight. Maturity and straw strength are similar to Faller. Bolles possesses a good disease package with excellent leaf rust resistance and a moderate rating for scab and bacterial leaf streak similar to Prosper. Plant Variety Protection (PVP94) pending, a research fee applies to this variety. Released by the Minnesota Agricultural Experiment Station, the name Bolles was chosen in recognition of Lemuel Bolles who built the first flour mill in Minnesota near Afton in 1846. Table 1 includes Minnesota trial data.

Table 1. Yield and Agronomic Data Minnesota Trials

Comparison of MN08165-8 with popular varieties. Varieties are sorted based on 3-Yr. yield.

Entry	Yield (bu/A)			TWT 2014	Protein (%)		Straw Strength*	Baking Quality	Diseases*			
	2014	2-Yr	3-Yr		2014	2014			3-Yr	PHS ¹	Lr ²	BLS ³
LCS Albany	88.8	88.5	85.0	60.4	13.0	13.2	5	Low-Med	5	2	6	4
Prosper	87.8	87.2	81.0	60.4	13.4	13.8	6	Med	2	5	4	5
Faller	87.7	86.1	79.7	60.2	13.3	13.8	5	Med	2	5	4	4
Forefront	82.7	80.7	77.1	60.9	14.6	14.7	5	Med	4	2	3	3
SY Soren	80.2	78.3	75.7	60.6	14.4	14.7	4	Med	1	3	4	4
MN08165-8	79.7	78.8	75.5	60.0	15.7	15.7	5	High	1	1	4	4.5
Norden	77.8	77.4	73.4	61.4	13.9	14.1	3	Med	1	2	4	5
WB-Mayville	75.3	75.3	73.2	58.9	14.7	14.8	3	Med-High	4	3	6	7
Linkert	75.6	75.2	71.7	60.3	14.9	15.2	2	High	2	3	4	5
Vantage	75.9	76.3	71.5	61.9	15.2	15.4	2	Med	3	6	7	5
Rollag	76.7	75.0	71.4	61.1	14.8	15.0	3	Low-Med	1	4	4	3
No. Env.	15	28	41									

*: 1-9 scale where 1=most resistant, 9=most susceptible.

1: PHS - Pre-harvest Sprouting

2: Lr - Leaf rust

3: BLS - Bacterial Leaf Streak

4: Scab - Fusarium Head blight