

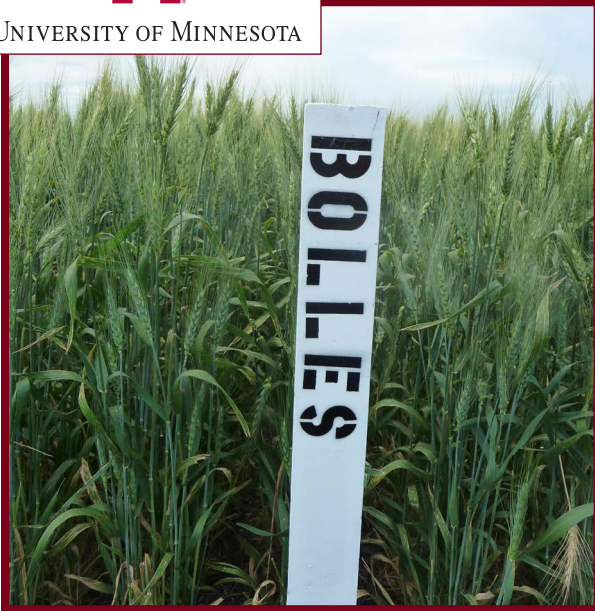


Bolles

Hard Red Spring Wheat



UNIVERSITY OF MINNESOTA



Characteristics

Yield	high
Protein	very high
Head Scab	MR ¹
Straw Strength	medium
Maturity	medium-late
Height	medium
Test Weight	average

¹MR = moderately resistant

Strengths

- Very high protein
- High yield potential
- Disease resistance

Comments

Bolles hard red spring wheat was released in 2015 by the Minnesota Agricultural Experiment Station. Bolles 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 excellent baking quality. Bolles has excellent pre-harvest sprouting resistance and good test weight. Maturity is similar to Faller with slightly better straw strength. Bolles possesses a good disease resistance package with excellent leaf rust resistance and a moderate rating for scab and bacterial leaf streak. The variety name Bolles was chosen in recognition of Lemuel Bolles who built the first commercial flour mill in Minnesota near Afton in 1846. North Dakota Foundation Seedstocks distributed Bolles in 2015 through the North Dakota Crop Improvement and Seed Association county increase program.

Agronomic Performance of Bolles Across ND, 2015

	U of M Varieties			NDSU Varieties					
	Bolles	Linkert	Rollag	Elgin-ND	Prosper	Velva	Barlow	Faller	Glenn
Yield Eastern ND (bu/acre)	62.0	67.6	69.0	63.5	60.3	--	64.3	60.2	64.1
Yield Western ND (bu/acre)	60.4	59.1	64.6	62.3	63.0	57.2	57.3	65.4	56.8
Protein (%)	16.3	15.7	15.1	14.9	13.7	14.4	15.1	13.7	15.4
Test Weight (lbs/bu)	59.2	59.8	60.6	59.0	58.9	--	60.4	58.6	61.5
Days to Heading	66	63	63	65	65	63	62	65	61
Height	32	31	32	36	35	35	35	35	37