



# Barlow

## Hard Red Spring Wheat

**NDSU** NORTH DAKOTA STATE UNIVERSITY



### Characteristics

Yield	high
Protein	high
Stem Rust	resistant
Leaf Rust	MR/MS <sup>1,2</sup>
Head Scab	intermediate
Straw Strength	medium
Maturity	medium-early
Height	conventional
Test Weight	high

<sup>1</sup> MR = moderately resistant; MS = moderately susceptible.

<sup>2</sup> Was resistant to moderately resistant to races prevalent prior to 2011 and shows some level of susceptibility to a new race of the pathogen that was detected at low frequency in 2012.

### Comments

**Barlow** hard red spring wheat was released in 2009. It was the most popular spring wheat variety planted in ND in 2012 and 2013. Barlow has high yield and test weight, good protein, and performs well across the state. It is a conventional height variety with early to medium-early maturity and medium straw strength. Barlow has excellent milling and baking qualities, especially high water absorption which is a desirable trait for bakers. It is resistant to stem rust, moderately resistant/moderately susceptible to leaf rust, and intermediately resistant to scab.

### Strengths

- High yield
- High test weight and protein
- Disease resistance

### Agronomic Performance of Barlow Across ND, 2008-2013

	Barlow	Elgin-ND	Prosper	Velva	Faller	Glenn
Yield Eastern ND (bu/acre)	67.9	71.4	75.1	65.1	76.7	64.7
Yield Western ND (bu/acre)	55.5	59.1	55.7	57.4	54.4	52.7
Protein (%)	15.0	15.0	14.3	14.7	14.3	15.2
Test Weight (lbs/bu)	60.7	59.8	59.3	58.5	59.1	62.2
Days to Heading	58.0	58.5	61.4	61.8	61.1	57.7
Height (inches)	33.1	34.2	32.1	31.6	32.0	33.9