



# Prosper

## Hard Red Spring Wheat

**NDSU** NORTH DAKOTA STATE UNIVERSITY



### Characteristics

Yield	high
Protein	average
Stem Rust	resistant
Leaf Rust	susceptible <sup>1</sup>
Head Scab	intermediate
Straw Strength	medium
Maturity	medium-late
Height	conventional
Test Weight	average

<sup>1</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

**Prosper** hard red spring wheat was jointly released by the ND and MN Agricultural Experiment Stations in 2011. This high yielding variety performs well especially in eastern ND and western MN. In 2013 Prosper was the most popular variety planted in MN and the fifth most popular in ND. Prosper is a conventional to semi-dwarf height variety with medium-late maturity and medium straw strength. Prosper's average protein content and test weight are similar to Faller. Overall, it has good milling and baking qualities. Prosper is resistant to stem rust and has intermediate resistance to scab.

### Strengths

- High yield
- Stem rust resistance

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

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