

Issued by:

**Cereal Disease Laboratory**

U.S. Department of Agriculture  
Agricultural Research Service  
1551 Lindig St, University of Minnesota  
St. Paul, MN 55108-6052  
(612) 625-6299 FAX (651) 649-5054

For the latest cereal rust news from the field, subscribe to the cereal-rust-survey listserv list. To subscribe, please visit:  
<http://www.ars.usda.gov/Main/docs.htm?docid=9970>

Or, send an email to: [Mark.Hughes@ars.usda.gov](mailto:Mark.Hughes@ars.usda.gov)

Reports from this list as well as all Cereal Rust Bulletins are maintained on the CDL website (<http://www.ars.usda.gov/mwa/cdl>)

- Wheat stem rust was found in susceptible wheat plots in the northern wheat growing area.
- Wheat leaf rust is at low-moderate levels in northern Great Plains fields and plots.
- Wheat stripe rust was found in North Dakota and Idaho.
- Oat crown rust is at moderate to severe levels in the northern oat growing area.
- Oat stem rust was found in Minnesota plots.
- Timothy stem rust was found in Minnesota and Wisconsin fields.

### **Wheat Stem Rust**

**Minnesota** – In late July, wheat stem rust was present in plots of the susceptible cultivars Baart and Max in northwestern Minnesota and in a plot of Baart in west central Minnesota. On July 23<sup>rd</sup>, high levels of stem rust were found on triticales growing in a mixture of field peas and clover planted as cover crop for forage production in west central Minnesota.

**South Dakota** – In mid-July, low levels of stem rust were found in the winter wheat variety plots at the Watertown experiment stations in east central South Dakota.

**North Dakota** – In late July, stem rust was present in plots of the susceptible spring wheat cultivar Baart in central North Dakota.

Stem rust observation maps can be found on the CDL website (<http://www.ars.usda.gov/Main/docs.htm?docid=9757>).

### **Wheat Leaf Rust**

**Minnesota** – In late July, moderate levels of leaf rust were found in plots of susceptible spring wheat in west central Minnesota.

**South Dakota** – In mid- July, moderate levels of leaf rust were observed in northeastern South Dakota fields and plots.

**North Dakota** – In late July, spring wheat was maturing rapidly in central North Dakota. Leaf rust was present in plots of commonly grown wheat cultivars. Moderate levels of leaf rust were present on susceptible or moderately susceptible cultivars. Resistant cultivars had trace to low levels of rust. Leaf rust was observed in different cultivars with *Lr21* at different locations.



## **Wheat Stripe Rust**

**North Dakota** – In late July, stripe rust was found in wheat plots in central North Dakota. The cultivar Faller was most affected by stripe rust, as other cultivars have more resistance.

**Idaho** – In mid-July, high levels of stripe rust were found in spring wheat fields in Bingham County in eastern Idaho. The cool nights and warm days were conducive for stripe rust increase. In late July, light levels of stripe rust were found in plots at Aberdeen. (For more detailed information see: Idaho reports on the [Current Cereal Rust Situation Reports page](#)).

**Oat Stem Rust** – In mid-July, low levels of oat stem rust were found in spring oat plots and fields in southern Minnesota and eastern South Dakota. Stem rust observation maps can be found on the CDL website (<http://www.ars.usda.gov/Main/docs.htm?docid=9757>).

**Oat Crown Rust** – In mid-July, moderate to severe levels of oat crown rust were found in plots and fields from northeast South Dakota to central Wisconsin. In late July, moderate to severe levels of oat crown rust were found in plots and fields from central North Dakota to northwest Minnesota. The crown rust development in the northern oat growing area has been more severe this year because of early warm temperatures that caused an early release of spores from the alternate host buckthorn which infects oat.

**Barley Stem Rust** – In mid-July, low levels of stem rust were found in plots of spring barley at the Morris experiment station in west central Minnesota.

**Rye Leaf Rust** – In late June, high levels of rye leaf rust were found in west central Minnesota plots.

**Timothy Stem Rust** – In mid-July, stem rust was found on timothy (*Phleum pratense*) in southeast Minnesota and northwest Wisconsin.



Fig. 1. Leaf rust severities in wheat fields and plots - July 13 , 2010

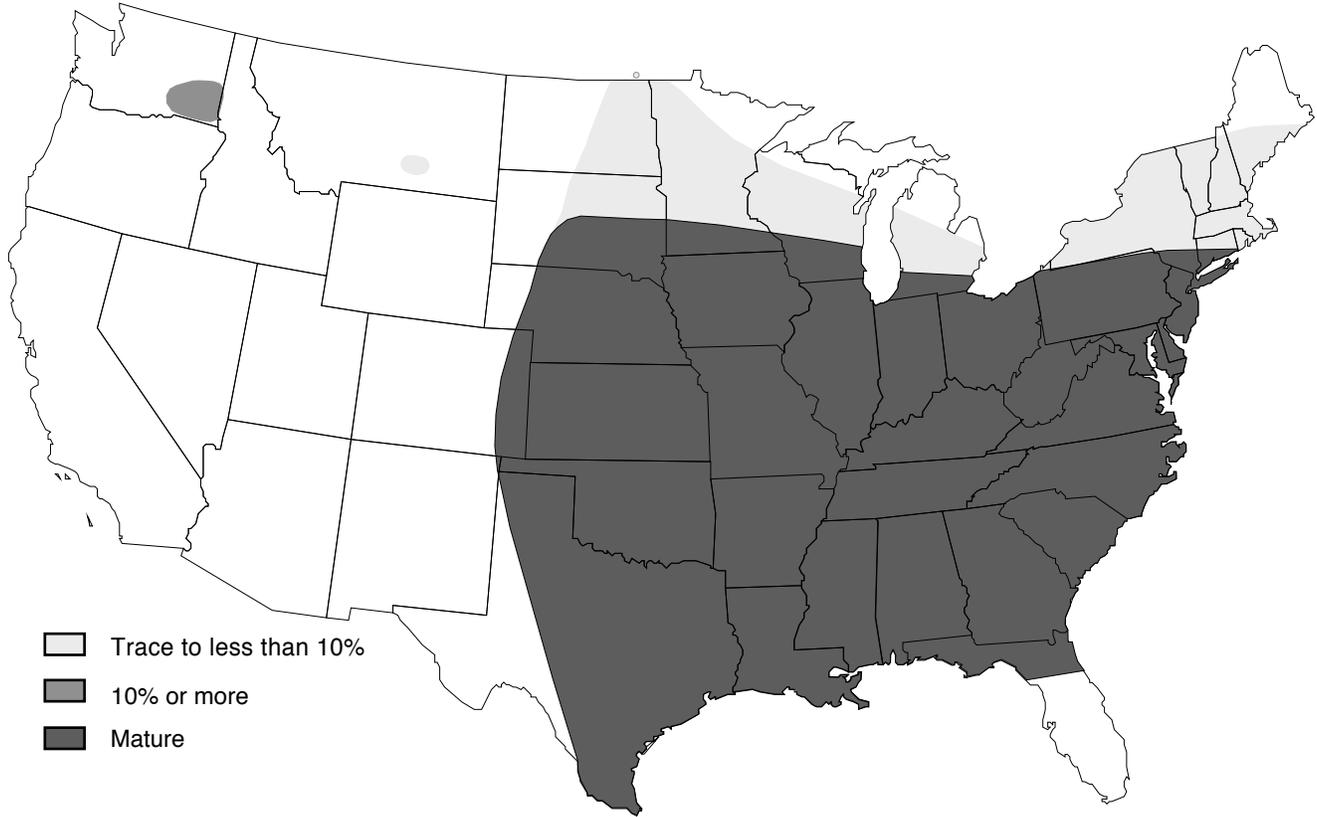


Fig. 2. Stripe rust severities in wheat fields and plots - July 13, 2010

