

Issued by:

**Cereal Disease Laboratory**

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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 southern Texas and southern Louisiana plots.
- Wheat leaf rust levels are increasing in the southern U.S.
- Wheat stripe rust is at severe levels in plots and fields in the southern U.S and Washington state.
- Oat stem rust was found in southern Louisiana and southern Texas plots.
- Oat crown rust levels are increasing in the southern U.S.

### **Wheat Stem Rust**

**Texas** - On April 14, low levels of wheat stem rust were found on flag leaves and stems in McNair 701 disease detection plots in the irrigated nursery at Castroville in south Texas.

**Louisiana** - On April 28, low levels of stem rust were found in plots at Crowley in southern Louisiana. The crop is rapidly maturing so little additional development is anticipated.

### **Wheat Leaf Rust**

**Texas** - In mid-April, leaf rust was increasing (>90 severity) on susceptible cultivars (Jagalene, TAM 110, Fuller, etc.) growing in plots in southern and central Texas (For more detailed information see: Texas reports on the [Current Cereal Rust Situation Reports page](#)). The presence of wheat leaf rust and wheat stripe rust on the same leaf makes it difficult to estimate the severity of the latter.

**Oklahoma** - In mid-April, leaf rust was increasing on susceptible cultivars in central Oklahoma plots at Stillwater. In early-planted Jagalene, 25-40% severity was reported. (For more detailed information see: Oklahoma reports on the [Current Cereal Rust Situation Reports page](#)).

**Kansas** - In mid-April, leaf rust was at low levels on Jagalene in central Kansas.

**Nebraska** - On April 26, low levels of leaf rust were found in Nuckolls County in south central Nebraska. Nuckolls County is among the tier of counties that border Kansas. This is one of the earliest dates leaf rust has been found in Nebraska in recent years.

**Louisiana** - In late April, leaf rust levels were light in plots in southern and north central Louisiana. Rainfall has been limited in April.

**Arkansas** - In late April, no leaf rust had yet been reported in Arkansas.

**Georgia** - In late April, light levels of leaf rust were found in wheat plots at Plains in southwest Georgia.

**Kentucky** - In mid-April, no leaf rust had yet been reported in Kentucky.



**North Carolina** - In mid-April, leaf rust was occurring earlier than usual on the susceptible winter wheat check cultivar Saluda in plots at the Cunningham Research station in Kinston.

**Pacific Northwest** - As of mid-April, no wheat leaf rust had been reported in the Pacific Northwest.

**Wheat cultivar *Lr* gene postulation database:** see [Leaf rust resistance gene postulation in current U.S. wheat cultivars](#).

### **Wheat Stripe Rust**

**Texas** - In late April, stripe rust levels were severe in plots and fields throughout the state. There are severe levels of rust on cultivars Jagger, Jagalene and other related cultivars. In the past, the *Yr17* stripe rust resistance has been very effective, but the latest reports indicate that new races with virulence to this gene may be present. The cool nights and light dews in the morning have been conducive for stripe rust development. (For more detailed information see: Texas reports on the [Current Cereal Rust Situation page](#)).

**Oklahoma** - In mid-April, stripe rust was increasing in plots and fields of cultivars with *Yr17* stripe rust resistance. Spraying for the foliar disease has been recommended.

**Kansas** - The first report of stripe rust in Kansas was on April 20 in plots at Belleville in north central Kansas. Again the rust was found on the cultivars Jagalene, Jagger and Santa Fe. (For more detailed information see: Kansas reports on the [Current Cereal Rust Situation Reports page](#)).

**Louisiana** - In mid-April, wheat stripe rust was widespread throughout the state. Many fields were being sprayed to control the disease. In southern Louisiana nurseries, 60% rust severities were reported on susceptible cultivars. In late April, stripe rust development had slowed considerably.

**Arkansas** - On April 23 in northwestern Arkansas plots located at Kibler and Paris, stripe rust was severe in several cultivars, but the commonly grown cultivars such as Beretta, Magnolia, and Coker 9553 still were resistant. Cool nights and light dews in the morning have been conducive for stripe rust development. (For more detailed information see: Arkansas reports on the [Current Cereal Rust Situation Reports page](#)).

**California** - In April, 30 to 90% severities of stripe rust were reported on the common susceptible cultivars Anza, Yecora Rojo, Express and Summit in the regional wheat test sites throughout California.

**Pacific Northwest** - In mid-April, stripe rust reached 80% severity on susceptible entries in winter wheat nurseries at Mt. Vernon in western Washington, which was slightly higher than last year at the same location. In wheat fields, stripe rust infection was common and many fields had been sprayed with fungicides. As of mid-April no stripe rust had been found in eastern Washington. Traces of stripe rust were found in wheat nurseries at the Hermiston Experiment station in northern Oregon. (For more detailed information see: Washington stripe rust report on the [Current Cereal Rust Situation Reports page](#)).

**Oat Stem Rust** - On April 16, traces of oat stem rust were found in plots at College Station in central Texas. In late April, oat stem rust was light and increasing in plots at Baton Rouge, Louisiana.

**Oat Crown Rust** - In late April, oat crown rust levels were severe on the susceptible cultivars in southern Texas plots. In mid-April, crown rust infections were less than normal in southern Louisiana plots. Rust infections are light because of cooler and drier than normal conditions in March and early April.



**Buckthorn** - In mid-April, pycnia were developing on the buckthorn leaves at the St. Paul, Minnesota nursery. This is one week later than normal because of the cold nighttime temperatures.

**Barley Leaf Rust** - In mid-April, 60% leaf rust severities were reported on susceptible entries in winter barley nurseries at Mt. Vernon, in western Washington.

**Barley Stripe Rust** - In mid-April, stripe rust reached 80% severity on susceptible entries in winter barley nurseries at Mt. Vernon in western Washington, which was slightly higher than last year at the same location. There also have been reports of barley stripe rust being found in California.

**Barley Stem** - No barley stem rust has yet been reported in the U.S. this year.

**Rye Leaf Rust** - In mid-April, leaf rust was found in Elbon rye plots at McGregor, Texas.

