

July 10, 2006

**Special points of interest:**

- Soybean Rust Update
- Winter Canola Production Conferences

# Cropping Systems Newsletter



## Soybean Rust Update

**John Damicone, extension plant pathologist**

Dry conditions in the southeastern US and Texas has limited the development of soybean rust in 2006. There are a few patches of kudzu in FL, AL, and GA currently infected with rust, but the only rust found on soybeans thus far this growing season has been on sentinel plots in far south Florida. Early this year, rust was identified in Weslaco, TX on some experimental soybean plots. These plots matured and were harvested during the late winter. Since that time, the Rio Grande Valley and other areas of Texas have experienced prolonged and severe drought conditions. As a result, no new rust has been found on either Kudzu or soybeans in Texas to date. Because of the lack of rust pressure in Texas, and the dry conditions in the mid-south states of Arkansas, Louisiana, and Mississippi, the risk for rust development in Oklahoma is currently low.

Oklahoma has continued participating in the national soybean rust monitoring program in 2006. There are 15 sentinel plot locations in Oklahoma in 2006 (Figure 1) planted and sampled by county educators and area specialists. Most of the locations are planted with maturity group 3, 4, and 5 varieties. Samples (100 leaves) are being taken each week and submitted to the Plant Disease and Insect Diagnostic Laboratory where they are being incubated in a moist chamber and scanned under a dissecting scope for the presence or absence of rust pustules. We have not found soybean rust in Oklahoma to date.

### Useful Links:

[www.soybean.okstate.edu](http://www.soybean.okstate.edu)

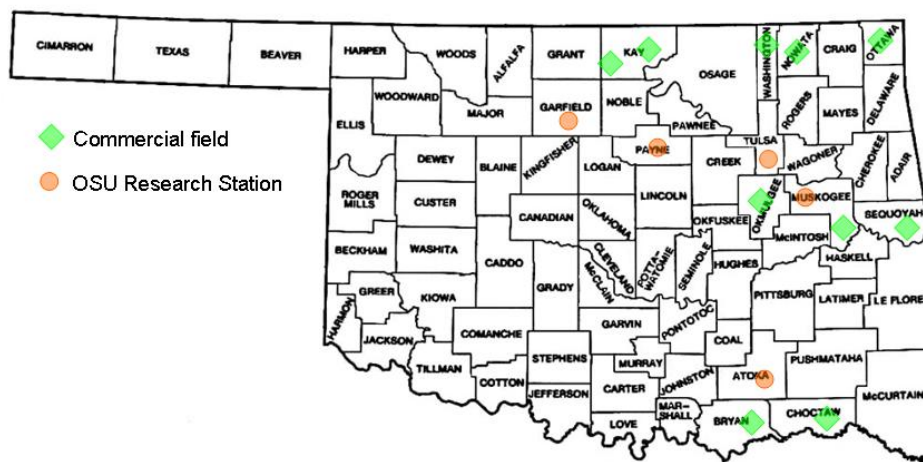
[www.canola.okstate.edu](http://www.canola.okstate.edu)

<http://alfalfa.okstate.edu>

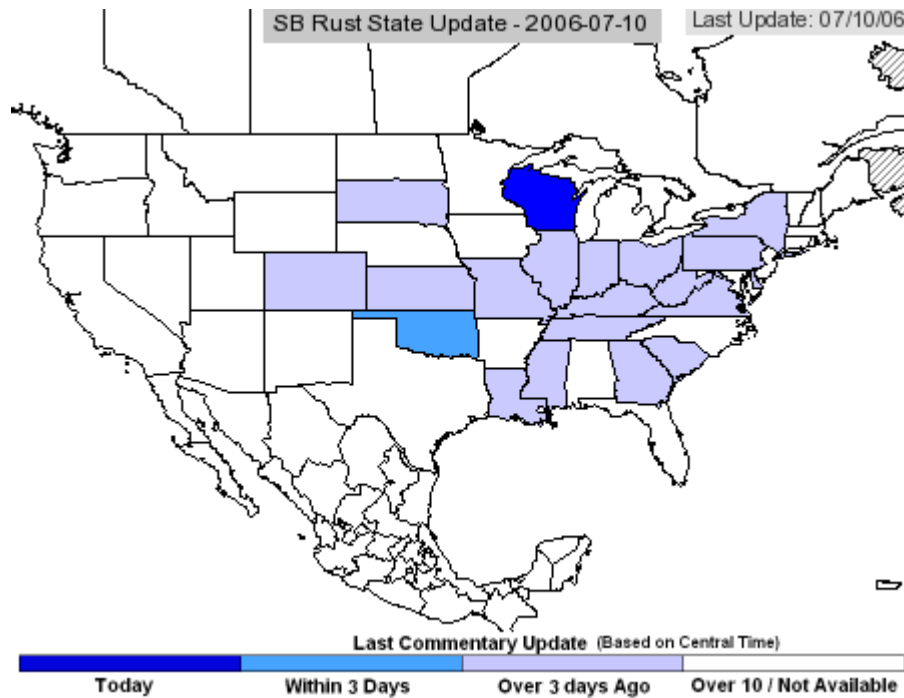
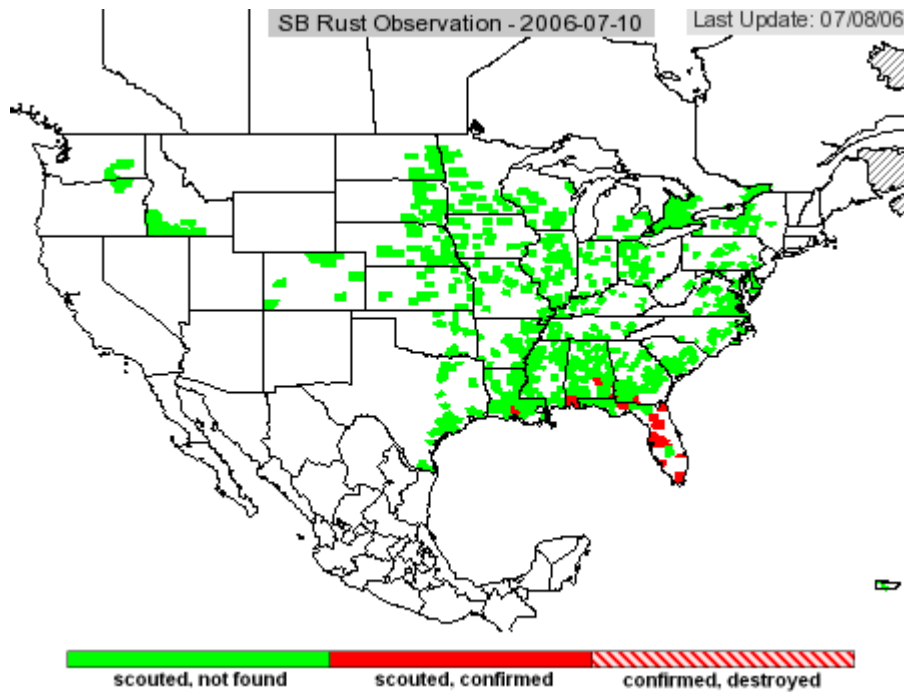
[www.wheat.okstate.edu](http://www.wheat.okstate.edu)

<http://forage.okstate.edu>

### Soybean Rust Sentinel Plot Locations - Oklahoma - 2006



The status of soybean rust in Oklahoma and nationally can be tracked at <http://www.sbrusa.net/>. Figure 2 shows the national rust picture from sentinel plots. By clicking on the state icon and selecting 'Oklahoma' a better resolution of the current reports from sentinel plot locations in the state can be viewed. Commentary from each state detailing state-specific conditions and disease status can be read by clicking on a state in the "blue map" (Figure 3).



A "field view" picture of soybean plants affected by Soybean Rust. The disease seems to give a "bronze cast" to the field of plants.



A close-up view of Soybean Rust on the underside of a soybean leaf.

*"The status of soybean rust in Oklahoma and nationally can be tracked at <http://www.sbrusa.net/>."*

## Winter Canola Production Conferences

**Chad Godsey, Cropping Systems Extension Specialist**

Three conferences on winter canola production and utilization will be held in Kansas and Oklahoma this July:

- \* July 18. Dodge City, Kansas. Dodge City Community College Auditorium.
- \* July 19. Enid, Oklahoma. Hoover Building, Garfield County Fairgrounds.
- \* July 20. Altus, Oklahoma. Altus Community Center, Falcon Road and Spurgeon.

Registration starts at 8:30 a.m. each day. The conference lasts from 9 a.m. to 3 p.m.

These conferences are free, but producers will need to register in advance for the lunch, notebook of information, and Great Plains Canola Production Handbook. To register, producers should call (405) 744-6420 before July 15 (or e-mail: [titus@okstate.edu](mailto:titus@okstate.edu)). Producers should include their name, city, which conference they plan to attend, and names of any guests they plan to bring.

The program will provide an in-depth look at winter canola for profitability and as a means of weed management to clean up wheat fields. **Federal Crop Insurance for winter canola is now available across Oklahoma, Kansas, and Texas.** Details will be available from USDA-RMA.

Results will be presented from OSU and K-State trials. There will be a discussion of what is going on in Oklahoma and Washington, D.C. concerning biodiesel. Producers will also learn about new varieties and hybrids and hear directly from several Oklahoma and Kansas growers who harvested canola in June.

Other topics will include seeding method options; no-till canola; seed supplies, conventional and Roundup Ready; how to grow canola; how to kill rye, cheat, and other weeds; how to scout for and kill aphids; harvesting methods; and economics of production compared to wheat. Producers will hear from elevator operators who bought canola this year, and there will be plenty of question and answer time.

CEUs will be available for Certified Crop Advisors and OK Pesticide Applicators (pending ODAFF approval).

### Upcoming Events/Meetings

- **July 17—Peanut Field Tour, Beckham County, Erick, OK (email Chad Godsey for more information [chad.godsey@okstate.edu](mailto:chad.godsey@okstate.edu))**  
**Opportunity to view herbicide trials, variety trials, and fungicide trials.**
- **July 18—Southern Plains Canola Conference Dodge City, KS**  
**Dodge City Community College Auditorium**
- **July 19—Southern Plains Canola Conference Enid, OK**  
**Hoover Building, Garfield County Fairgrounds**
- **July 20—Southern Plains Canola Conference Altus, OK**  
**Altus Community Center, Falcon Road and Spurgeon**

**To register, producers should call (405) 744-6420 before July 15 (or e-mail: [titus@okstate.edu](mailto:titus@okstate.edu))**

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PLANT & SOIL SCIENCES  
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