

NOVEMBER 7, 2007



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Important Dates:
Private Applicator Training,
Tuesday, November 27 at
7PM located at the Holt
County Courthouse

December 5-6 Crop
Management Conference in
Columbia

December 12-13
Soybean School at TJ Hall
Building in Oregon

Jan 3 MU Mark your
calendar to visit with MU
Professors to discuss
research to help manage
increase in input prices.
Holiday Inn, Maryville

Jan 22-23
CCA Meeting in St. Joseph

Jan 29
Corn and Soybean Growers
Association Meeting in St.
Joseph

Agronomy Information and Tips

Wayne Flanary, Agronomist

Soybean School scheduled for Dec 12-13 in Oregon. This is an in-depth school on soybean management. Pre-registration is required with \$150 payment per person to cover meals, notebooks and other resources. We have applied for 6.5 hours in Pest Management, 6.5 hours in Crop Management, 1 hour in Nutrient Management and 0.5 hours in Soil and Water CEUs for Crop Advisers. The course will be taught by Flanary and other regional agronomists including Dr. Wayne Bailey, UMC State Entomologist.

The Crop Management Conference will be held in Columbia on December 5 & 6. 'Next Generation Biofuels: Opportunities and Obstacles,' will be the opening keynote presentation. This will be followed by ten 1-hour sessions on a wide range of crop management topics, including Pest Update, Profitable Wheat, Corn after Corn, Crop Insurance, Planting Date, More Missouri Stockers, Compaction, Precision Agriculture, and Carbon Trading. For more information: <http://muconf.missouri.edu/cropmgt> , scharfp@missouri.edu, or Peter Scharf at (573) 882-0777.

Soybean Rust made its way north into the Midwest. "I have a different perspective since it has been found locally," commented area growers. Growers have told me that now they need to pay attention to soybean rust reports.

The University of Missouri Extension had 25 sentinel plots this year and 2 kudza plots that were monitored. My sites were west of Faucett from I-29 and in southern Holt county on the Missouri River Bottom. Through the summer, I took 100 leaves randomly sampled from these fields and these were over-nighted to Dr. Sweets lab where they were examined for rust and I had a response the following day by 3PM. That is quick turn around!

After the two sites I sampled lost their leaves and finding soybean rust in Rulo, NE, I started looking at other fields. Soybean Rust was found south of Big Lake, south of Napier and north of Mound City on Route N. All samples taken were positive at each of the sites in Holt County.

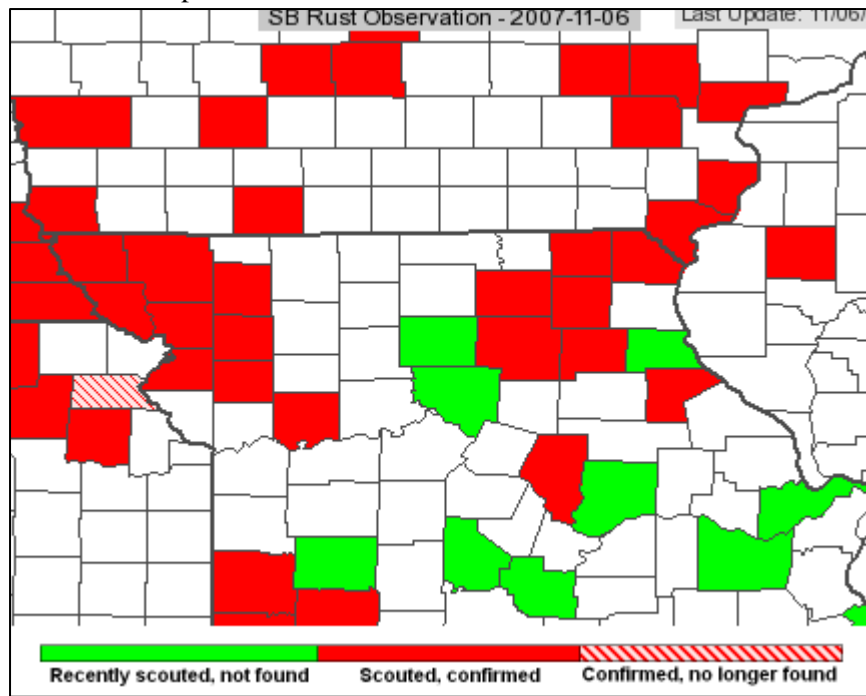
Backing up in time, on October 9, I traveled to Columbia to look at Soybean Rust samples that had arrived from south Missouri at Dr. Sweet's lab. This gave me the opportunity to see the disease on live tissue and practice identification.

Based on this experience, if we have one or two pustules per 100 leaves in the field, it would be like looking for a needle in a hay stack. The pustules were difficult to see and I need a 30X hand lens to see them easily. If infections get to moderate and severe, I had no problem in identification.

Also, we need to continue to rely on sentinel plots and get the leaflets to the MU lab to look for pustules and continue to watch the movement northward from the southern states. The Extension Service in southern states monitor sentinel plots and this information is fed into the USDA Rust website and University professors all communicate with each other through a network.

Keep in mind that Soybean Rust must have live tissue to live on so the freeze will kill the spores. Then the monitoring will start each year and utilize the Extension Service and University models as far as movement from south to north.

As additional follow-up, I found rust in each individual sample that I took from October 10th on. Here is a map of latest finds.



If you would like to be added to our electronic mailing list, please contact Rosa Matthews, Holt County Secretary at 660-446-3724.

Information contained in this newsletter is intended for use in Northwest Missouri and may need to be adapted to other locations. We ask that you credit University of Missouri Extension if you use this information.

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