

Row Crop News

Jefferson County Cooperative Extension Service
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WEATHER EFFECTS

There is no doubt that lodged beans and other crops like corn and rice, as well as cotton and grain sorghum, have been cause for concern about yields being reduced this year. The weather of 2008 has been strange since last spring and has continued through to the current time. Crops have slowed in progress of maturation in recent weeks, and drying conditions have not been the most favorable. There will be added fuel expenses due to tractor/combine/picker tire slippage in fields. In addition, rutting is very likely to occur in many fields.

It is being reported that rice heads have shown some shattering due to recent high winds, although downed rice is less than expected at the current time. Only one farm has been reported to have significant downed rice over large acreages in the county. Many fields have had some downed rice in patches or paddies, but most can be harvested.

Corn has been blown down all over the county, and even wheat corn has suffered. Many folks are finished with irrigation on late-planted crops, but fields that can be irrigated should be monitored carefully over the next few weeks for moisture needs.

CORN FIELD DAY

The Cooperative Extension Service will host a **Corn Field Day at Smart Farm on September 17, beginning at 8:00 a.m.** The farm is located on the east side of Reed Lake Road, just north of the intersection with Rob Roy Road. There will be signs marking the location.

On display will be several varieties of double-cropped corn behind wheat. Scott Monfort (assistant professor – Extension plant pathologist) and Michael Emerson (program associate – plant pathology) will be on site to discuss disease pressure and several fungicide treatments on the late-planted corn. Jason Kelley (Extension agronomist – wheat and feed grains) will also be present to discuss management issues of late-planted corn. Illustrated below are two examples of rust common to corn.



Fig.1 Common Rust courtesy of
Jeremy Ross, U of A Extension Service

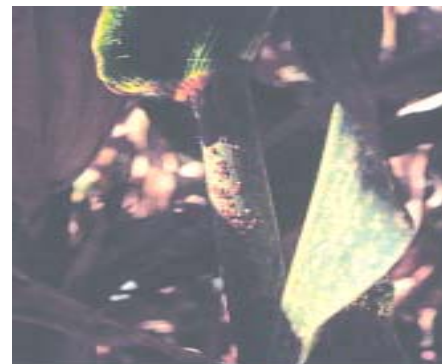


Fig.2 Southern Rust courtesy of
Dave TeBeest, U of A Extension Service

SOYBEAN RUST CONFIRMED IN ASHLEY, DREW, & DESHA COUNTIES

Scott Monfort

Assistant professor-Extension plant pathologist

Soybean rust was confirmed in three producer fields in Ashley, Drew, and Desha Counties. All three fields had very low levels of active soybean rust at an estimated 1% incidence (1 out of 100 leaves showing symptoms) and seem to be developing slowly. For the most part, soybean rust will not be a problem in a majority of our acreage due to the late arrival of soybean rust in the state. Unfortunately, we do estimate that we still have about 200,000 acres that could be impacted by soybean rust if cloudy and rainy conditions persist over the next two weeks.

So what do we recommend? **We are NOT recommending a blanket application of a fungicide for the state. At this time, the southeast part of the state is at more risk than the rest of the state and should be the primary area considering applying a fungicide.** This could change in the next few days as we continue to scout the other regions of the state and/or if Hurricane Ike decides to visit Arkansas.

Please scout your soybeans and send in samples if you have suspicious fields. Before you apply a fungicide, we recommend you consider a few things first:

1. Are you within a couple of counties from the confirmed locations?
 - a. Yes – you are a higher risk.
 - b. No – you have a little more time to make a decision. Have you scouted your soybeans?
2. What growth stage are your soybeans?
 - a. R1 to Early R5 are at more risk.
 - b. Mid R5 to R8 – you will more than likely outrun yield impacts.
3. Yield potential of your soybean crop?

SBR control may not be economical if yield potential of less than 25 bushels per acre (depends on what you have in your crop to date).

4. What fungicide/fungicide combination do I use if I need to make an application?
 - a. Soybean fields that are at Growth Stage R1 to R4 should be sprayed with a combination of a strobilurin and a triazole fungicide.
 - b. If soybeans are currently between Growth Stage late R4 to R6, an application of a triazole alone should be applied.
 - c. **See table for a list of labeled fungicides and their relative effectiveness against soybean rust.**
 - d. Soybean fields that are currently at or beyond Growth Stage R6 are no longer vulnerable and should not be sprayed.

We will continue to scout kudzu patches, soybean sentinel plots, and soybean fields throughout the state and will update everyone as soon as we have new information. **We also need your help over the next few weeks!!!** I would like to ask county agents to send in samples to the diagnostic lab at Lonoke. I would also encourage consultants and growers to send in samples (at least 100 leaves) if you think you have soybean rust.

Please pay attention to the updated fungicide list for we have made a few new corrections. Below, I have provided the updated version of the available soybean rust fungicides. **READ AND FOLLOW ALL LABELS.** The **Soybean Rust Hotline** is continually updated with information about the latest rust finds. That number is **1-866-641-1847**. If you have any questions or concerns please contact Dr. Scott Monfort (870-659-0648), Dr. Jeremy Ross (501-944-0621), or Amy Carroll (870-258-2509).

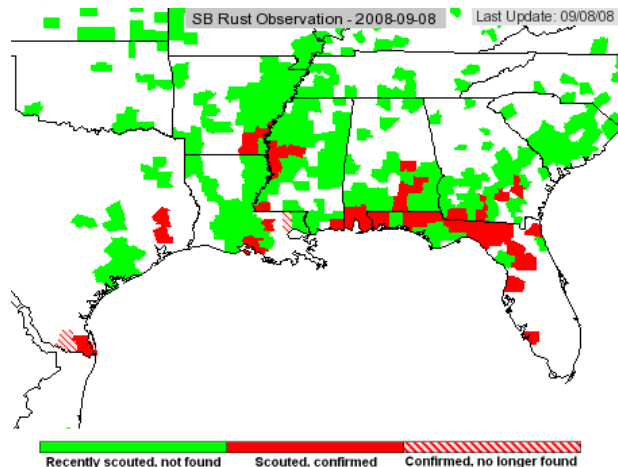


Table 1. Available Fungicides for Soybeans				
FUNGICIDE	TYPE	CHEMISTRY	LABELED	RATES
<u>Quadris</u>	P	strobilurin	YES (FULL)	6.0 – 15.5 OZ
<u>Headline</u>	P	strobilurin	YES (FULL)	6 – 12 OZ
<u>Stratego</u>	P	strob + triaz	YES (Full)	10 OZ
Folicur	P/C	triazole	YES (Full)	3 - 4 OZ
Uppercut	P/C	triazole	Section 18 Expired	3 - 4 OZ
Alto	P/C	triazole	YES (18) (Section 3 registration in 2008)	4 OZ
Caramba	P/C	triazole	YES (18)	8.2 – 9.6 OZ
Laredo	P/C	triazole	YES (Full)	4 – 8 OZ
Topguard	P/C	triazole	YES (18)	7.0 OZ
Domark	P/C	triazole	YES (Full)	4 – 5 OZ
Punch	P/C	triazole	YES (18)	3 – 4 OZ
ProLine	P/C	triazole	YES (Full)	2.5 – 3 OZ
Quilt	P/C	strob + triaz	YES (Full)	14 – 20.5 OZ
Stratego	P/C	strob + triaz	YES (Full)	10 OZ
Tilt	P/C	triazole	YES (18)	4 – 8 OZ
PropiMax	P/C	triazole	Not Available for SBR	4 – 8 OZ
Bumper	P/C	triazole	YES (18)	4 – 8 OZ
Bravo, Echo, Equis	P	chlorothalonil	YES	1.5 – 2.25 PTS

Headline, Quadris, and Stratego are preventative treatment only for SBR (underlined).

Italicized, and Bold fungicides are NOT as effective on Soybean Rust compared to other triazoles in list.

Table 2. Recommended Fungicide Mixtures for Soybean Rust and Other Foliar Diseases				
		Recommended triazoles		
Quadris	6.0 oz	+	Folicur	4.0 oz
			or	
or	6.0 oz	+	Laredo	5.0 oz
			or	
Headline	6.0 oz	+	Domark	5.0 oz
			or	
or	6.0 oz	+	Topguard	7.0 oz
			or	
Headline	6.0 oz	+	Punch	3.0 oz
			or	
or	6.0 oz	+	Alto	4.0 oz
			or	
Stratego	10.0 oz	+	Caramba	6.1 oz
			or	
Stratego	10.0 oz	+	ProLine	1.0 oz
Quilt	14.0 oz	+	Alto	2.0 oz

BE PREPARED TO HARVEST WHEN APPLYING HARVEST AIDS

Many farmers are applying a harvest aid, such as sodium chlorate, to dry down greenery in fields before harvesting. This is particularly helpful where weed populations exist in the field. Care should be taken to ***harvest the crop within 5 days of application*** to prevent overdrying and potential reduction in milling quality. Plan your applications around your ability to get in and harvest the crops. Also, ***try to avoid applying with rain in the 5-day forecast.***

ABANDONED PESTICIDE COLLECTION

There will be an **Abandoned Agricultural Pesticide Collection on October 27, 2008, in Jefferson County**. Begin to plan now for ridding your farm of old and abandoned pesticides that may have been left on the farm for years and now have no label, have congealed or are otherwise unusable. More information will be coming later.

The Jefferson County Farm Bureau will be the lead agency in this collection effort of old and abandoned agricultural pesticides. When you get an informational letter about the program, you will need to respond to Jefferson County Farm Bureau with the required information that will be treated in a confidential manner. No government agency will have possession of the information sheet that will be required to be submitted. The program is being administered through the Arkansas State Plant Board, and funding is limited. The program is also a ***very confidential program***, and those bringing in products for disposal will not be asked any questions on collection day.

QUORUM COURT PASSES ORDINANCE TO PROTECT ROADS

The Jefferson County Quorum Court passed Ordinance No. 2008-63 on Monday, September 8. Farmers should adhere to weight limits when traveling on county roads. Care should also be taken to refrain from impacting road ditches and from depositing soil “clods” and debris in roads when leaving fields and entering roads. For more information on the ordinance, please contact your county Extension office at 870-534-1033.

UPCOMING EVENTS

September 27 – Corn After Wheat Field Day – Smart Farm

September 28 & 29 – Southeast Arkansas District Fair - Check-in Row Crops – Hestand Stadium

December 9 – Arkansas Soybean Research Conference – Brinkley Convention Center

January 9 – 2009 Tri-State Soybean Forum – Oak Grove Inn & Suites – 10304 Hwy 27 – Oak Grove, LA 71264 – 318-428-2088 – www.oakgroveinnandsuites.com

University of Arkansas, United States Department of Agriculture and County Governments Cooperating.

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