



Arkansas Soybean Rust Working Group Update



September 9, 2009

Soybean Rust Update

Scott Monfort - Cliff Coker

SOYBEAN RUST SPRAY ADVISORY FOR SOUTHEAST AND EAST CENTRAL ARKANSAS

Crittenden County has now been confirmed with soybean rust. This makes a total of 16 counties confirmed with soybean rust (Arkansas, Ashley, Chicot, **Crittenden**, Desha, Drew, Jefferson, Lee, Lincoln, Lonoke, Monroe, Phillips, Prairie, Pulaski, St. Francis, and Woodruff) in Southeast and east central Arkansas. The disease is continuing to develop and spread throughout the southeast and east central part of the state. In some confirmed counties, the disease can be found in a majority of the R6 to R7 soybeans where no fungicide was applied or the fungicide residual has worn off. Although the yield impact of soybean rust will be minimal in these fields, the fields do serve as an inoculum source for other soybeans in the state.

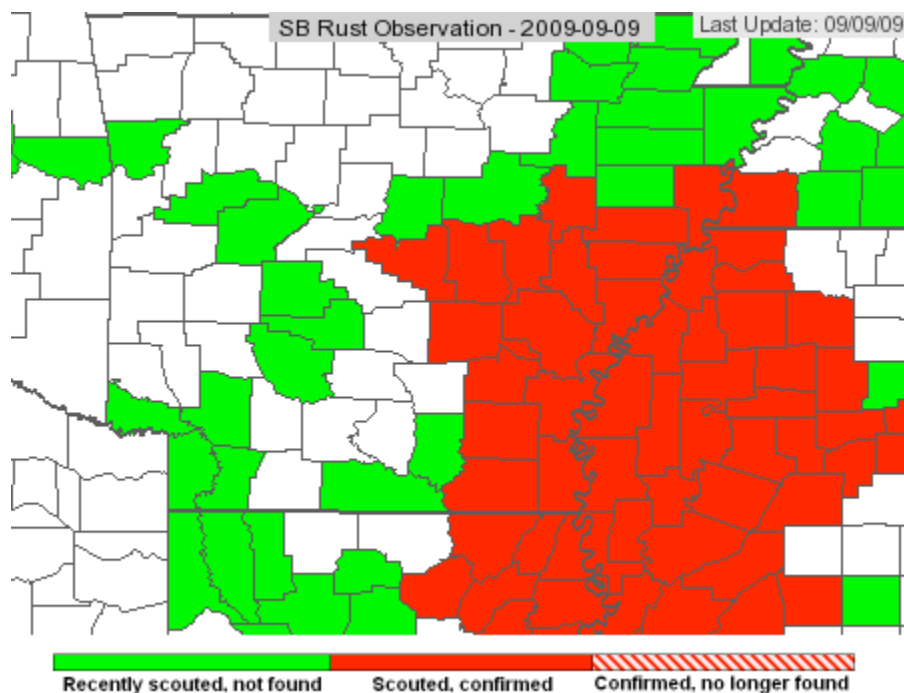
Southeast and East Central Arkansas

With the recent rainy and cloudy conditions in the state, Extended Forecast, and the increased activity of rust in the counties below I-40, we have made a few changes to our SOYBEAN RUST SPRAY ADVISORY. We are recommending producers in counties at or below I-40 to consider treating soybeans in the R1 to Mid-R5 with good yield potential for soybean rust. We would also recommend you use 10 gallons of water by plane and 15 gallons by ground in your application, if possible. This will ensure that you have adequate coverage of the fungicide throughout the canopy. Please be sure to determine the growth stage and yield potential of your fields before applying a fungicide.

Northeast Arkansas and Arkansas River Valley

The Northeast and River Valley regions remain on a conditional spray advisory. This could change over the next week as we continue to scout these areas. The weather events we are currently experiencing and have experienced over the last week has more than likely spread the disease further north. So far, the confirmed sites above I-40 have remained at low levels. We will continue to scout the Arkansas River Valley and other northeast counties over the next week and will alert you as soon as rust conditions and/or recommendations change. Please follow the below recommendations before applying a fungicide.

Please see the Recommendations below:



So what do we recommend?

At this time, the southeast and east central part of the state is more at risk and should be the primary area of concern when considering applying a fungicide. Please keep these criteria in mind when making a decision on applying a fungicide for soybean rust.

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
2. **Have you scouted your soybeans?**
3. What growth stage are your soybeans?
 - a. R1 to Mid R5 are more at risk
 - b. Late R5 to R8 --- more than likely yield will not be impacted
4. Yield potential of your soybean crop?
 - a. 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)
5. What fungicide/fungicide combination do I use if I need to make an application?

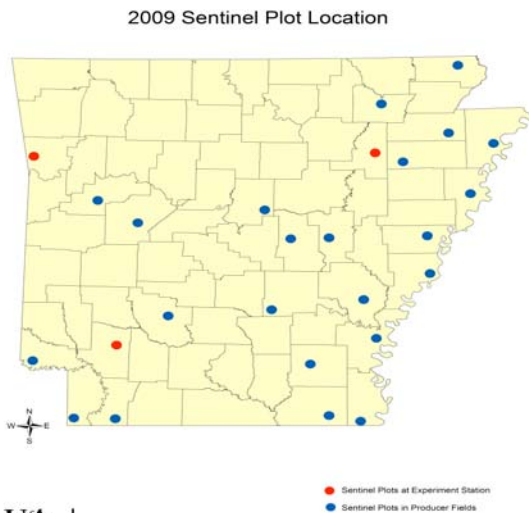
- a. Soybean fields that are at Growth Stage R-1 to mid R-4 should be sprayed with a combination of a strobilurin and a triazole fungicide.
- b. If soybeans are currently between Growth Stage late R-4 to mid R-5, an application of a triazole alone should be applied.
- c. **See table below for a list of labeled fungicides and their relative effectiveness against soybean rust.**
- d. Soybean fields that are currently at or beyond Growth Stage R-6 are no longer vulnerable and should not be sprayed.

We will revisit the confirmed locations along with other counties in the Arkansas Delta to determine if the disease is continuing to develop and/or beginning to spread. 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!!!** County agents should be sending in samples to the Lonoke Diagnostic Lab or the Monticello Lab. I would also encourage consultants and growers to send in samples (at least 100 leaves) if you think you have soybean rust.

We will continue to update you on a regular basis on any new developments of Soybean Rust via email or through the Soybean Rust Hotline (1-866-641-1847). If you have any questions or concerns please contact Dr. Scott Monfort (870-659-0648) or Cliff Coker (870-723-5519).

Please note the latest map of the Arkansas Sentinel Plot Monitoring Plots below:

Any Questions... Contact us:



Scott Monfort	870-659-0648
Cliff Coker	870-723-5519
Amy Carroll	501-258-2509
Amanda Greer	870-460-5563
Jeremy Ross	501-944-0621
Kim Rowe	870-777-9702 ext 106
John Rupe	479-601-2480

Arkansas Soybean Rust Fungicide List (not listed in order of effectiveness)				
FUNGICIDE	TYPE	CHEMISTRY	LABELED	RATES
Quadris Xtra	P/C	strob + triaz	YES (Full)	4 – 6.8 OZ
Folicur	P/C	Triazole	YES (FULL)	3 - 4 OZ
Orius	P/C	Triazole	YES (FULL)	3-4 OZ
Alto	P/C	Triazole	YES (Full)	4 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
Tilt	P/C	Triazole	YES (FULL)	4 – 8 OZ
Bumper	P/C	Triazole	YES (18)	4 – 8 OZ
Preventative Fungicides Only (not listed in order of effectiveness)				
Quadris	P	Strobilurin	YES (FULL)	6.0 – 15.5 OZ
Headline	P	strobilurin	YES (FULL)	6 – 12 OZ
Stratego	P	strob + triaz	YES (FULL)	10 OZ
Bravo, Echo, Equus	P	chlorothalonil	YES	1.5 – 2.25 PTS
Bold fungicides contain a triazole that is NOT as effective on Soybean Rust compared to other triazoles in the list.				

Table 2. Recommended Fungicide for Soybean Rust and Other Foliar Diseases				
			Recommended Triazoles (not listed in order of effectiveness)	
Headline	6 oz/ac	+	Laredo	5 oz/ac
or			Domark	5 oz/ac
Quadris	6 oz/ac		Topguard	7 oz/ac
			Punch	3 oz/ac
			Alto	4 oz/ac
			Folicur	4 oz/ac
			Proline	3 oz/ac
Stratego	10 oz/ac	+	Folicur	2 oz/ac
			or	
			Proline	1 oz/ac
Quilt	14 oz/ac	+	Alto	2 oz/ac
or Quadris Xtra	6.8 oz/ac			

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