

Soybean Rust Update: September 26, 2013

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On September 17, 2013 the soybean rust (SBR) fungus (*Phakopsora pachyrhizi*) was observed and confirmed on soybean leaves collected from one of the sentinel plots at the Tidewater AREC in Suffolk, VA. At this time, 10 out of 34 leaflets (30%) had a few pustules with leaf coverage of approximately 2%. We are continuing to monitor these plots. In the most recent samples from the TAREC plots, 30% of the leaflets had SBR pustules but with greater leaf coverage (up to 100 pustules per leaflet and approximately 5% coverage). Furthermore, pustules were actively sporulating, and airborne spores are what lead to the spread of the fungus.

We are currently assessing soybean samples from additional counties/cities in Virginia, and this week **we confirmed SBR in Isle of Wight County**. SBR was detected at a low incidence (4/40 leaflets with less than 1% coverage), but this does indicate the fungus is spreading. Samples from two other locations in Isle of Wight County were negative for SBR. All locations sampled thus far are listed below in Table 1.

To reiterate previous recommendations, **growers with soybeans that have not yet reached the R6 stage should consider spraying fungicides for control of SBR**. Triazole or pre-mix fungicides are best, and some examples of the various products available were described in the September 19 SBR update. The general “rule of thumb” is that soybean within 100 miles of confirmed SBR that has not yet reached R6 be sprayed. Currently, this includes areas within 100 miles of Suffolk and Isle of Wight County. Growers outside this area or those who want to wait and see how SBR progresses should still be prepared to spray in the near future.

As always, feel free to contact me if you have any specific questions or concerns.

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Table 1. Locations in Virginia scouted for soybean rust in 2013

County/City	Number of sample locations	Date collected (most recent)	Date SBR first detected
Accomack	2	16-Sept	ND = none detected
Amelia	2	16-Sept	ND
Brunswick	4	19-Sept	ND
Chesapeake	5	16-Aug	ND
Dinwiddie	1	18-Sept	ND
Essex	1	20-Sept	ND
Gloucester	1	17-Sept	ND
Greensville	2	18-Sept	ND
Hanover	1	9-Sept	ND
Isle of Wight	3	20-Sept	23-Sept (collected 19-Sept, 1 location)
King William	1	9-Sept	ND
Lunenburg	1	3-Sept	ND
Mecklenburg	2	3-Sept	ND
Middlesex	2	4-Sept	ND
Powhatan	1	10-Sept	ND
Prince George	2	9-Sept	ND
Richmond	2	10-Sept	ND
Southampton	2	18-Sept	ND
Suffolk	2	19-Sept	17-Sept (collected 5-Sept, sentinel plot)
Surry	2	18-Sept	ND
Sussex	2	18-Sept	ND
Virginia Beach	2	19-Sept	ND
Westmoreland	1	3-Sept	ND

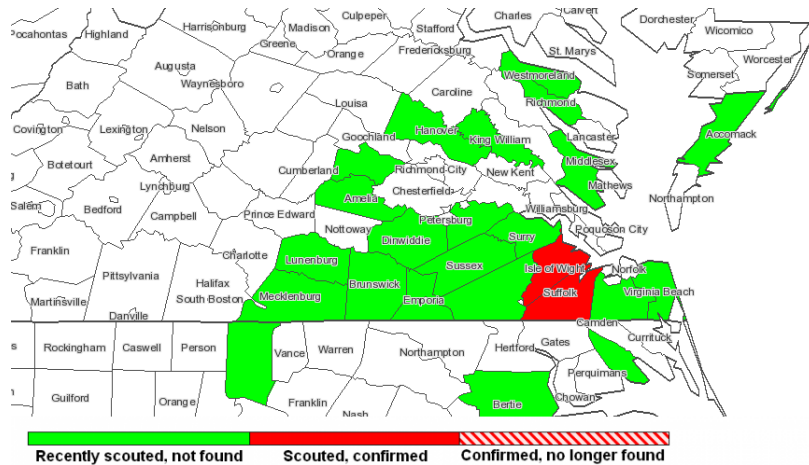


Figure 1. Counties in Virginia scouted for soybean rust in 2013. Counties in red are locations where soybean rust has been confirmed.