



SOYBEAN FACTS



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Information Resources about the Movement, Risk of Infection and Management of Soybean Rust

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Modeling and forecasting websites for Soybean Rust

Asian soybean rust (SBR) is caused by the aggressive fungus *Phakopsora pachyrhizi*, and it has the potential to cause severe damage to soybeans and other legume hosts. Because of this potential, a number of Web sites have been established to track and discuss this disease. The primary website for soybean rust forecasting and modeling information and to track the movement of SBR in the U.S. can be found at: <http://sbr.ipmpipe.org/>. There are a number of good sites for information about soybean rust, including the *American Phytopathological Society* information site, <http://www.plantmanagementnetwork.org/infocenter/topic/soybeanrust/>. The United Soybean Board provides partial funding for the commercial website, *Stop Soybean Rust*, at: <http://www.stopsoybeanrust.com>. The *North Central Soybean Research Program* (NCSRP) website, <http://www.planthealth.info/> provides the latest research information from twelve North Central land-grant universities not only on soybean rust, but on other soybean insect and disease problems as well. The *National Sustainable Agriculture Information Service* (ATTRA) hosts a website with soybean rust information and management for organic soybean growers at: http://attra.ncat.org/attra-pub/asian_soy_rust.html.

<http://sbr.ipmpipe.org/> Formerly the *USDA Soybean Rust Information Site*, it has been renamed the *USDA Public PIPE* (Pest Information Platform for Extension and Education) mapping web site. There are now separate maps of soybean rust including maps of current locations of rust, management tips, and information on scouting for the disease. The first time that you go to this site, click on "getting started". This describes the commentaries printed below each map: i.e. observations, disease management and scouting (you will have to load each map). The site consists of an interactive map, calendar, map thumbnails, overlays, map description and links. Look for map commentaries below the printed maps. These commentaries will provide information on new occurrences of the disease as well as recommendations for rust management. The site contains several soybean rust ID/scouting tools, including an SBR ID card, a "Soybean Rust: Scout Before You Spray" video, and a soybean plant disease and management guide. You will also find a pest management toolbox, containing tactics, guidelines, a GFP (Good Farming Practices) tool, insurance documents and a chronological commentary of soybean rust reports for each state. Currently, under Tactics- USA you'll find national soybean rust fungicide guidelines updated for 2009. Clicking on Guidelines-USA brings up information related to good farming practices.

The GFP tool is a printable, interactive form that can be filled in to generate a report to document good farming practices taken by a grower to control soybean rust and/or aphids, information that is needed for crop insurance claims. Under Insurance Docs you'll find a list of documents that are needed to substantiate best management practices or to file an insurance claim. The chronological commentary allows you to view or print state commentaries and guidelines for a particular date or range of dates.

Soybean rust management manual

<http://oardc.osu.edu/soyrustr/> is the website to visit to obtain an online copy of the updated manual, *Using Foliar Fungicides to Manage Soybean Rust*. For the foreseeable future, the standard management practice to limit yield losses caused by soybean rust will be the application of foliar fungicides to the soybean canopy. This book was newly revised and expanded in 2008 to include additional topics. It reviews the factors involved in making fungicide spray decisions and basic fungicide information, including mode of action, application, and use strategies. Prepared by a group of soybean pathologists working in many regions of North America, this full-color publication contains numerous illustrations, photographs, maps, tables, and charts, as well as a glossary of terms and a list of sources for additional information. Proper fungicide timing will be key to maintaining profitability for the coming years. This reference book will help growers maintain that profitability.

Information websites for Soybean Rust

<http://www.plantmanagementnetwork.org/infocenter/topic/focusonsoybean/> hosted by the **American Phytopathological Society**, is an information site dedicated to the health, management and production of soybean crops. This site includes *educational webcasts on a variety of soybean diseases, crop production, crop protection, soybean news, soybean information services, proceedings from the 2005-2007 National Soybean Rust Symposia, plant disease lessons about soybean cyst nematode, Phytophthora root and stem rot and state soybean disease contacts.*

<http://www.usda.gov/soybeanrust/> The USDA site provides up-to-date news as well as links to other sites. Among the information you will find here is: identifying soybean rust, fungicides labeled for rust, a link to locate your county extension agent, Good Farming Practices and information about crop insurance.

<http://www.stopsoybeanrust.com> is a commercial site, sponsored by both the United Soybean Board, and industry. It includes links to the PIPE site and other rust websites, news stories related to soybean management issues from a number of sources, an "ask the experts" column, a table of labeled fungicides for soybean rust, fungicide labels, MSDS and a list of States where each fungicide is registered for use.

<http://www.planthealth.info/> This **Plant Health Initiative** website, sponsored by NSRCP, covers more than soybean rust. There is current research on other soybean diseases and pests, including soybean aphid. It includes diagnostic tools such as scouting guidelines for common insect and disease problems, soybean growth stages, and photos of injury caused by insects, diseases, and nematodes.

All web sites mentioned present other information on Asian soybean rust, and no one site is preferred over the other. All provide good information and can be used to find other Web-based information on soybean rust.

http://attra.ncat.org/attra-pub/asian_soy_rust.html The **ATTRA** website contains information for organic soybean growers about Asian soybean rust and organic production, current research on organic methods of control, organically acceptable products and practices to control rust, and soybean rust references and resources.

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