

Monday, March 30, 2015

## Long season wheats pose stem rust risk

**The risks of developing stem rust in longer season winter wheat crops are being highlighted as South Australian wheat growers begin to prepare for the 2015 growing season.**

Plant pathologist at the South Australian Research and Development Institute (SARDI) Dr Hugh Wallwork said growers needed to be aware of the susceptibility ratings of the long-season wheats and to ensure they plan appropriately to manage any rust outbreaks.

“Some of these longer season winter wheats are attractive for their high yield and are grown in the parts of SA that have longer and cooler seasons, but the problem is that some of them have susceptible or very susceptible ratings to stem rust,” he said.

“The problem is made worse by a greatly shortened break between crops over summer in the long season cropping areas.

“Rust needs a green living host, often called the green bridge, to survive between the seasons. Normally this is in the form of volunteer cereals growing as weeds, however, in the areas where these long season wheats are grown, the natural summer break between crops is greatly reduced. This therefore requires greater monitoring and rust management planning to prepare for any potential outbreaks.

“Stem rust is the most difficult of the three types of rust to control with fungicide as it is difficult for foliar fungicides to penetrate the canopy and protect the stem.”

Dr Wallwork advised that growers choosing a long-season wheat obtain information on that variety’s susceptibility rating from the breeding company or their local advisor before seeding and ensure they have an effective stem rust monitoring plan in place.

“There are other long-season wheat varieties available that have a higher stem rust resistance rating, including Bolac, Forrest, EGA-Wedgetail, Manning and SQP Revenue, and we recommend that growers should, if possible, look to growing these or others with stem rust resistance in the next season,” he said.

**ENDS**

**Dr Hugh Wallwork**

08 8303 9382

[Hugh.wallwork@sa.gov.au](mailto:Hugh.wallwork@sa.gov.au)

**Dr Grant Hollaway**

03 5362 2111

[Grant.hollaway@ecodev.vic.gov.au](mailto:Grant.hollaway@ecodev.vic.gov.au)

**Dr Andrew Milgate**

02 6938 1990

[Andrew.milgate@dpi.nsw.gov.au](mailto:Andrew.milgate@dpi.nsw.gov.au)

*The Australian Cereal Rust Control Program (ACRCP, established in 1973) monitors cereal rust pathogens throughout Australia, finds and characterises new sources of rust resistance, and assists Australian cereal breeding groups to incorporate rust resistance in new cultivars. The ACRCP is funded largely by the grains industry, through the Grains Research & Development Corporation (GRDC).*

[www.rustbust.com.au](http://www.rustbust.com.au)

Follow us on  
 **twitter** @the\_rustbust

**GRDC**  
Grains  
Research &  
Development  
Corporation  
Your GRDC working with you



Australian  
Cereal  
Rust  
Control  
Program  
