FACULTY OF AGRICULTURE AND ENVIRONMENT
THE UNIVERSITY OF SYDNEY
PLANT BREEDING INSTITUTE

Cereal Rust Report

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Wheat leaf rust and wheat stripe rust situation, late Winter 2016

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This report provides a brief update on the current distribution of wheat leaf rust and wheat stripe confirmed from samples received at the Australian Cereal Rust Survey at the University of Sydney's Plant Breeding Institute. Details on the current distributions are provided as are pathotype details where known. Wheat growers are advised to inspect their crops for wheat leaf rust and wheat stripe rust and to submit samples of any rusts observed to the Australian Cereal Rust Survey. Submission details are provided on the back page of this report.

Wheat leaf rust

Samples of wheat leaf rust have been received from Victoria, South Australia and Queensland. Victorian samples off the wheat varieties SQP Revenue, Manning and Sunlamb were received from Bairnsdale in mid-June. The pathotypes identified from these samples included: 104-1,3,5,7,9,10,12+Lr37, 104-1,3,4,6,7,8,10,12+Lr37 and 76-1,3,5,7,9,10,12+Lr37. A sample off SQP Revenue was received from Lismore in western Victoria in late June and was determined to be pathotype 104-1,3,4,6,7,8,10,12+Lr37.

A sample of wheat leaf rust off Mace was received from Port Neill in South Australia in late June and a further sample off wheat from Paskeville was received in late August. Pathotype identifications are continuing for these samples.

Samples of wheat leaf rust off Sunzell were received from Millmerran and Mirabooka in Queensland in mid- and late-August respectively. Pathotype identifications for these two samples are underway. A sample of wheat leaf rust was also received from natural infection at Cleveland and was determined to be pathotype 104-1,3,4,6,7,8,10,12+Lr37.

Samples of wheat leaf rust off Mace from Western Australia were received in mid-July from Coomalbidgup and late August from Grass Patch. Pathotype identifications are underway.

Pathotype 104-1,3,4,6,7,8,10,12+Lr37 was first detected in South Australia in 2014 and was the most recent exotic incursion of a wheat leaf rust pathogen into Australia. It has since spread across the eastern and western grainbelts and was a commonly sampled pathotype in the eastern grainbelt in 2015.

Wheat stripe rust

Samples of wheat stripe rust have been received from southern NSW and Queensland. Samples from Sandigo, Wagga Wagga and Colingullie in NSW were received from mid- to late-August. A sample off Suntop was received from Bungunya in Queensland in late August. Pathotype identifications are underway.

GENERAL ENQUIRIES

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RUSTED PLANT SAMPLES
can be mailed in paper envelopes; do not use plastic wrapping or plastic lined packages. If possible, include the latitude and longitude of the sample location.

Direct samples to:

University of Sydney
Australian Rust Survey
Reply Paid 88076
Narellan NSW 2567

The Australian Cereal Rust Control Program is supported by growers through the Grains Research & Development Corporation.