

How to prepare samples for submission to the Australian Cereal Rust Survey

1. Collect good samples.

The better the sample you send, the faster we can process it and provide timely information on cereal rust diseases.

Good sample material will have sufficient rust to allow inoculation straight onto a seedling assay. The minimum requirements are as follows.

- Please collect material while the leaves and stems are **dry**. Wet samples (with dew or rain) decrease the viability of the spores.
- Please send 10 to 15 leaves or stem for each good sample, more if sample is not covered in rust

2. Packaging and dispatch

Packaging the sample is important to maintain the viability of the spores

- Place leaves or stems into **paper envelopes**.
****Please DO NOT use any plastic packaging, including plastic parcel bags, plastic lined bags, or bubble wrap**
- If you are sending multiple samples, please place them in separate envelopes
- With every sample that is sent, please fill out the dispatch form that can be downloaded from https://www.sydney.edu.au/content/dam/corporate/documents/faculty-of-science/research/life-and-environmental-sciences/cereal-rust-sample-submission-form_editedmc.rtf
- **Please include:**
 - Location of the sample with postcode of the nearest town is vital for mapping the sample.
 - Cereal host species and the variety, whenever it is known
 - Date the sample collected
 - **Alternatively**, you can contact us (details below) and we will send you some sample envelopes with the form printed on the outside.
- **Fungicide insensitivity:**
 - Location of the sample with postcode of the nearest town is vital for mapping the sample.
 - Cereal host species and the variety, whenever it is known
 - Date the sample collected
 - Name of fungicide used
 - Please indicate how many sprays of fungicide if applied and application dates.
- **Post your samples to the Australian Cereal Rust Survey** as soon as you collect the samples for optimizing viable spores.

Send samples to the address below:

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

More samples received provides better surveillance, monitoring, tracking, and the delivery of cereal rust disease, early warning and forecasting. Thanking you for sending us the samples and in return we can serve the Australian grains industry with accurate and timely information on cereal rust diseases.

To request sample envelopes, contact:

Matthew Williams	matthew.williams@sydney.edu.au	(02) 9351 8808
Margerita Pietilainen	margerita.pietilainen@sydney.edu.au	(02) 9351 8849

Further information regarding sample contact:

Dr Mumta Chhetri	mumta.chhetri@sydney.edu.au	(02) 9351 8811
Professor Robert Park	robert.park@sydney.edu.au	(02) 9351 8806