

Wheat Yellow Rust Genomics

How to prepare samples

Step 1: Contact Us

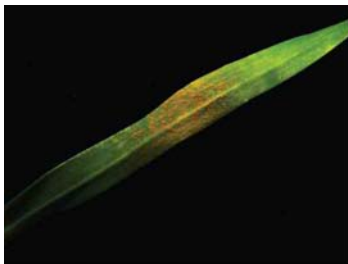
This project is in close coordination with the UK Cereal Pathogen Virulence Survey (UKCPVS). For this project a sample is the infected region from a single leaf. Each sample at the time of collection will need to be placed in a tube with RNAlater solution, which can be requested by emailing yellowrust@jic.ac.uk. In your email please state how many samples you would like to collect so we send you the correct number of tubes.

Step 2: Receive tubes containing RNAlater solution

Shortly following your request you should receive a package containing:

1. A freepost addressed envelope to return your samples to us.
2. Specified number of tubes containing RNAlater solution.
3. Sampling form for completion.
4. A copy of these instructions on how to collect samples.

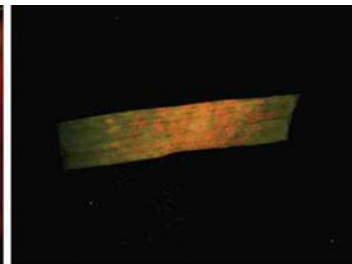
Step 3: Collecting samples



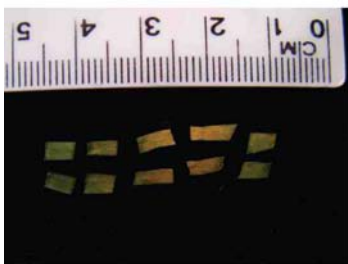
1. Select a leaf with clear yellow rust pustules.



2. Cut out a region close to the infection symptom (pustules) area.



3. Trim the leaf fragment to the pustule region.



4. Cut the large pustule-containing fragment into small segments.



5. Place the small segments into the supplied tube containing RNAlater solution. Briefly shake so segments are soaked in the solution. Ensure lid is tightly fastened.



6. Label tube with: Name, Date of collection and Location. Also complete the enclosed sampling form with full details.

Step 4: Post your samples to us for analysis

Please complete the sampling form and send this with your labeled tubes using the freepost envelope provided within 24hrs of collecting samples.

For any assistance with sample preparation or general enquires please visit FAQs at <http://yellowrust.com> or email us at: yellowrust@jic.ac.uk

Wheat Yellow Rust Genomics **Sampling form**

Please complete and send with your samples in the freepost envelope provided.

Sample no. FOR OFFICE USE ONLY	Tube number	Wheat variety	Date	Location (including County)	Severity of attack (% leaf area infection)	Crop growth stage	Notes – e.g. fungicide treatment

Name:

Address:

Tel No:

Fax:

Email address: