USDA-ARS Cereal Disease Laboratory provides sample envelopes and selfaddressed stamped envelopes.

Please promptly mail leaf, stem, and crown rust collections to:

Dr. Oluseyi Fajolu/ Dr. Shahryar Kianian Cereal Disease Laboratory, USDA-ARS 1551 Lindig Street University of Minnesota St. Paul, MN 55108

Send stripe rust collections to:

Dr. Xianming Chen USDA-ARS Washington State University 410 SE Dairy RD, 114B - 101 Pullman, WA 99164

Note: Stripe rust collections are vulnerable to heat. An overnight courier service is preferred for sending stripe rust collections.

For questions on stripe rust, send email to xianming.chen@usda.gov

For the latest cereal rust news from the field, subscribe to the cereal-rust-survey listserv. To subscribe and for more information, send an email to oluseyi.fajolu@usda.gov



United States Department of Agriculture

Agricultural Research Service

Cereal Rust Diseases



Leaf Rust







Stripe Rust

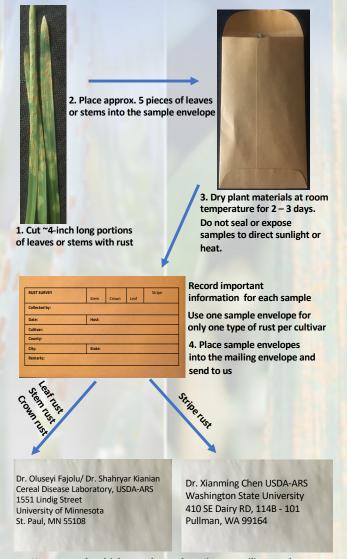
Crown Rust

Join the fight against these devastating diseases

Why Collect Cereal Rust Samples?

- Rusts are among the most damaging diseases of cereal crops.
- Cereal rusts occur every year as the pathogens can overwinter in the field or blow in from other locations.
- The ability of the fungi to change and to develop new virulent races makes continual monitoring of rust across the cereal growing regions of great importance.
- Understanding the rust pathogen populations in the fields allows for predicting the effectiveness of resistant cultivars, and it is crucial for developing durable resistant varieties.
- Major rust epidemics have occurred resulting in greater than 50% loss in cereal production.
- Use of resistant varieties is considered the best way to control cereal losses to rust.
- USDA-ARS Cereal Disease Laboratory is committed to research that help protect wheat, oat, and barley from rust epidemics, but we need YOU.

Guidelines for making cereal rust sample collections



You can send multiple sample envelopes in one mailing envelope

Cereal rust fungi are "shifty enemies" and are constantly changing. The knowledge gained from race surveys and sample testing today can help salvage the cereal fields tomorrow.