

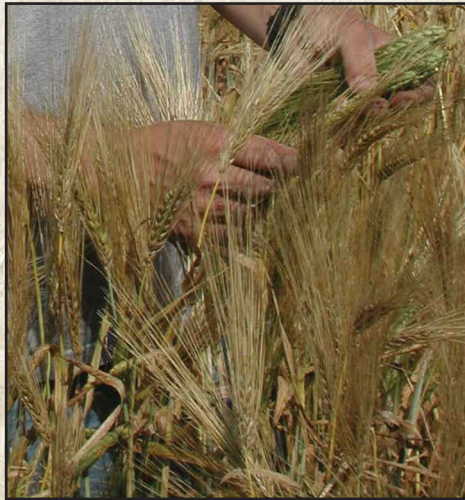
# Sampling Procedure

## SAMPLING TO DETERMINE DISEASE SEVERITY

One or two mildly infected plants in a field is of no concern, but higher numbers of infected plants or the numbers of plants becoming infected at a rapid rate is important.

Determining disease incidence or how severity is progressing requires repeatable and accurate sampling. Walk about 20 yards into a crop and then begin walking in a very large circle stopping at regular intervals so that 8 to 10 stops are made during the circuit.

Each time you stop, randomly choose a plant and inspect it for disease. Estimate the amount of disease on each plant and record the average.



# SHIPPING SAMPLES TO THE NDSU DIAGNOSTIC LABORATORY

- Collect samples from several plants.
- Collect large samples, e.g. whole leaves, whole plants.
- Place samples in a plastic bag loosely folded at the top, but not sealed.
- Wrap roots in damp (not wet) paper towels.
- Do not add moistened paper towels to plant leaves; there should be no surface moisture.
- Regular mail is sufficient if the sample is not sealed in plastic or sent late in the week.
- Complete a sample submission form found on [www.ag.ndsu.nodak.edu/diaglab](http://www.ag.ndsu.nodak.edu/diaglab) or,
- Include your name, address and phone number.
- Describe the problem (symptoms, when they began, spread, location in field, etc.)
- Provide background (field history, management, chemical use, neighboring fields, etc.)

**Note:** A fee may apply for disease diagnosis, see website for details.

Ship to:  
NDSU Plant Diagnostic Lab  
306 Walster Hall  
Fargo, ND 58105-5012

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