

## Sample Collection and Submission Instructions – Seed (disease testing)

***Remember, taking a good sample is vital to obtaining useful laboratory results. Molecular assays conducted on plant samples RELY HEAVILY ON QUALITY SAMPLING PROCEDURES in order to produce quality results.***

1. Send 1-2 pounds of seed obtained from a representative sampling of each field or seed lot. This can be done in a number of ways by either probing bags or bins or by periodically drawing samples as the seed is going into or out of the bin. Please consult with the state seed department or local crop consultant for detailed instructions.
2. Package seed samples in a leak proof container. If zipper-seal plastic bags are used, fill only half of the bag with seeds as the seal may break if overfilled. For zipper-seal bags, remove excess air and fold bag over and secure with tape. A sealed coin or mail envelope are appropriate containers for smaller-sized seeds, which could easily escape from sealed containers. Secure envelopes with tape to ***ensure small seeds do not leak and seals do not break during transport.*** Clearly label bags or envelopes with a permanent marker for identification. The ID on each container must match the Specimen ID # listed on the Submission Form.
3. Seed packages should be packed tightly in the shipping box using packing material like newspaper or Styrofoam peanuts to prevent shifting during shipping. Bags that shift during shipment can easily be damaged resulting in seeds that are mixed and cannot be tested.
4. Store all seed samples in a cool, dark place until shipped to the lab. All shipments must be accompanied by a Submission Form. **Testing of samples will not begin without a completed Submission Form.** Please do not place the submission form inside the sample container, rather place the Submission Form inside the shipping box, but outside of the sample container. Send samples and Submission Form to the lab as soon as possible.

If there are any questions regarding sampling and shipping procedures, please contact the National Agricultural Genotyping Center Laboratory at 701-239-1451.

### Ship Samples To:

**National Agricultural Genotyping Center  
1616 Albrecht Blvd N  
Fargo, ND 58102**