

Public (when completed)

Research and Innovation Division

The personal information that you provide on this form and any attachments will be used for the purpose of administering the *Agriculture Pests Act* and *Weed Control Act*. It is collected under the authority of section 33(c) of the *Freedom of Information and Protection of Privacy Act* (RSA 2000) and protected by the privacy provisions of the Act. If you have any questions about the collection and use of your information contact the Plant Health Laboratory, Alberta Agriculture and Forestry, 17507 Fort Road, Edmonton AB T5Y 6H3, 780-644-3436, [planthealthlab@gov.ab.ca](mailto:planthealthlab@gov.ab.ca).

Internal Use Only

|                      |                          |
|----------------------|--------------------------|
| Seq                  | Received Date yyyy-mm-dd |
| <input type="text"/> | <input type="text"/>     |

## Submitter's Information

- Inspector   
  Researcher   
  Other   
  Sample is being submitted on behalf of a client

|                      |                      |                      |
|----------------------|----------------------|----------------------|
| Last Name            | First Name           | Middle Name          |
| <input type="text"/> | <input type="text"/> | <input type="text"/> |

|                      |                      |
|----------------------|----------------------|
| Company              | Job Title            |
| <input type="text"/> | <input type="text"/> |

|                      |                      |                      |                      |
|----------------------|----------------------|----------------------|----------------------|
| Street Address       | City or Town         | Province             | Postal Code          |
| <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |

|                          |                      |
|--------------------------|----------------------|
| Email Address (Required) | Phone                |
| <input type="text"/>     | <input type="text"/> |

If submitted on behalf of a client

|                      |                      |                      |
|----------------------|----------------------|----------------------|
| Last Name            | First Name           | Affiliation          |
| <input type="text"/> | <input type="text"/> | <input type="text"/> |

|                      |                      |
|----------------------|----------------------|
| Email Address        | Phone                |
| <input type="text"/> | <input type="text"/> |

## Sample Details

|   |                            |                          |
|---|----------------------------|--------------------------|
| Type  | Collection Date yyyy-mm-dd | Shipping Date yyyy-mm-dd |
| <input type="checkbox"/> Physical Sample <input type="checkbox"/> Digital Image | <input type="text"/>       | <input type="text"/>     |

|                      |                      |                      |                      |
|----------------------|----------------------|----------------------|----------------------|
| County               | Legal Land Location  | GPS Longitude        | GPS Latitude         |
| <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |

|                               |                            |
|-------------------------------|----------------------------|
| Number of Samples in Delivery | Sample Identification Name |
| <input type="text"/>          | <input type="text"/>       |

## Plant Habitat and Features

|                      |                      |                              |                          |
|----------------------|----------------------|------------------------------|--------------------------|
| Crop                 | Cultivar/Variety     | % of Plants in Crop Affected | When did symptoms appear |
| <input type="text"/> | <input type="text"/> | <input type="text"/>         | <input type="text"/>     |

Plant Habitat

Field   
  Pasture/Range   
  Roadside   
  Greenhouse   
  Forest   
  Other

Soil Moisture

Drier than usual   
  Average   
  Wetter than usual   
  Unknown

## Symptom Type

|  |  |  |  |
|--|--|--|--|
| <input type="checkbox"/> Poor Germination or Emergence | <input type="checkbox"/> Malformed Plant Parts | <input type="checkbox"/> Root (Below Ground) | <input type="checkbox"/> Premature Sprouting |
| <input type="checkbox"/> Post Emergence Seedling Death | <input type="checkbox"/> Wilting               | <input type="checkbox"/> Root (Above Ground) | <input type="checkbox"/> Storage Rot         |
| <input type="checkbox"/> Lesions/Cankers/Spots         | <input type="checkbox"/> Stunting              | <input type="checkbox"/> Poor Fruit/Seed Set | <input type="checkbox"/> Discoloration       |

## Distribution of Symptoms

Whole Crop   
  Random   
  Localized   
  Edge of Field   
  Few Rows   
  High Dry Area   
  Low Wet Area

Sunny   
  Shady   
  Varietal   
  Other

## Severity of Symptoms

Slight       Moderate       Severe

## Pest Control Products Applied

Yes       No       Don't Know

## Describe Fertility and Agronomy Program

Amounts fertilizer and chemical applied, amount NPK available, products used, application timing, rates, etc.

Irrigated

Crop Residue

Level of Concern

Yes    No

Heavy    Light

Extreme - potential disaster

Moderate - will most likely affect yield

Moderate    None

Mild - showing in small numbers

Curious - not a trend, the odd plant affected

## Field Rotation - Past & Present

HTC System

Crop/Cultivar

Current Year    None    Round Up Ready    Clearfield    Liberty Link    Tetrazine

Previous Year    None    Round Up Ready    Clearfield    Liberty Link    Tetrazine

2 Years Ago    None    Round Up Ready    Clearfield    Liberty Link    Tetrazine

## Description

Describe anything concerning the problem that was not covered above as fully possible

**Please save a copy of this form and submit completed forms  
(and any digital images) to: [planthealthlab@gov.ab.ca](mailto:planthealthlab@gov.ab.ca)  
Additional questions, call 780-644-3436**

**Alberta Plant Health Lab  
Crop Diversification Centre North  
17507 Fort Road NW  
Edmonton AB T5Y 6H3  
Phone: 780-644-3436**

## Sample collection, packaging and submission information

Once submitted to the Plant Health Laboratory, samples and digital images are the property of Alberta Agriculture and Forestry.

**For insect sample:** collect multiple (2-6) intact specimens if available; fill out the Submitter's Information section on this form; Specimens should be dead when shipped and mailed in a bottle; box or padded envelope to protect against crushing (go to step 8 for continuation).

### For plant sample:

1. Ensure the sample is representative of the problem. Whole plants with roots attached are best. If the plants are small, send several.
2. Send fresh specimens. Plants that are in the process of dying or plants with various degrees of symptom severity are preferred over dead plants. Include a healthy plant for comparison, if possible.
3. For woody specimens (branches, stem sections, roots and crown, etc.) ensure that the samples do not dry out. Wrap in damp paper towel if needed and enclose the sample in a plastic bag. Do not add moisture to other specimen types.
4. DO NOT expose the sample to heat or freezing, minimize crushing.
5. Dig up the plants instead of pulling them from the ground. Cover the root ball in burlap or plastic to keep the soil in contact with the roots and prevent them from drying out and to keep the upper plant tissue from being contaminated with soil.
6. It is important to collect samples prior to pesticide application whenever possible. Once pesticides have been applied, it may be difficult to get an accurate and timely diagnosis.
7. Enclose samples securely in a plastic bag and keep the package refrigerated prior to shipment. Ensure that any ice packs included in the package do not directly contact the plant.
8. If you are not sure how to collect a sample, please call the laboratory at **780-644-3436** for advice.
9. Complete the sample submission form and email to [planthealthlab@gov.ab.ca](mailto:planthealthlab@gov.ab.ca). In addition, include a paper copy of the completed form (enclose in a paper or plastic bag) with the sample.
10. Contact your shipper to find out the rules applicable to the sending of plant samples.
11. The Plant Health Laboratory will return completed diagnoses report to the submitter, with a copy of the submission form for reference.