



**Plant Diagnostic Laboratory**  
 Walk-ins: NDSU campus – 206 Waldron Hall  
 Website: [www.ag.ndsu.edu/pdl](http://www.ag.ndsu.edu/pdl)  
 E-mail: [NDSU.PDL@ndsu.edu](mailto:NDSU.PDL@ndsu.edu)  
 Telephone: 701-231-7854 Fax: 701-231-7851

Lab use only:	
Date In:	
Lab #:	
PDIS #:	
Results:	Date: _____ <input type="checkbox"/> emailed <input type="checkbox"/> phoned
Condition:	<input type="checkbox"/> good <input type="checkbox"/> fair <input type="checkbox"/> poor

## Information Request Form

Submitted By: _____	Submitted For (Client): _____
Company: _____	Company: _____
Address: _____	Address: _____
City/State/Zip: _____	City/State/Zip: _____
Phone: _____ Fax: _____	Phone: _____ Fax: _____
Cell: _____	Cell: _____
E-mail: _____	E-mail: _____
<input type="checkbox"/> Extension <input type="checkbox"/> Individual <input type="checkbox"/> Grower <input type="checkbox"/> Hort/Turf professional <input type="checkbox"/> Consultant <input type="checkbox"/> Company Rep <input type="checkbox"/> Other:	<input type="checkbox"/> Extension <input type="checkbox"/> Individual <input type="checkbox"/> Grower <input type="checkbox"/> Hort/Turf professional <input type="checkbox"/> Consultant <input type="checkbox"/> Company Rep <input type="checkbox"/> Other:

**Fee:** This is a fee-based lab, and a nominal fee will be applied to your sample. Pre-payment is not necessary unless non-payment is habitual. An invoice will be sent along with a formal report. Current fees are available online at <http://www.ag.ndsu.edu/pdl>

<b>Send samples to:</b> NDSU Plant Diagnostic Lab NDSU Dept 7660, PO Box 6050 Fargo, North Dakota 58108-6050 <b>Private shipper:</b> NDSU Plant Diagnostic Lab 306 Walster Hall, Fargo ND 58102	<b>Services requested:</b> <input type="checkbox"/> Routine Diagnosis <input type="checkbox"/> Plant ID <input type="checkbox"/> Culture/ELISA <input type="checkbox"/> Insect ID <input type="checkbox"/> Special Test <input type="checkbox"/> Mold ID <input type="checkbox"/> Other:	<b>Results and Billing:</b> <b>Send results to:</b> <input type="checkbox"/> Submitter <input type="checkbox"/> Client <b>Send bill to:</b> <input type="checkbox"/> Submitter <input type="checkbox"/> Client
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**Sample collection instructions:** See reverse for details.

<b>Host:</b> _____ <b>Variety:</b> _____ Sample Origin (County, State): _____	<b>Planting Date:</b> _____ Date sample collected: _____ Date sample sent: _____	<b>Symptom development:</b> <input type="checkbox"/> Days <input type="checkbox"/> Weeks <input type="checkbox"/> Months <input type="checkbox"/> Occurred in previous years Date symptoms noticed: _____
<b>Turfgrass:</b> Year established: _____ <input type="checkbox"/> Sod <input type="checkbox"/> Seed <input type="checkbox"/> Plugs	<b>Trees:</b> Approx. age: _____	Height: _____ Years at site: _____

Location	Size of Planting	Symptoms	Parts Affected	Distribution in Site	Site History
<input type="checkbox"/> Crop/Field	_____ Total Acres, or	<input type="checkbox"/> Yellowing	<input type="checkbox"/> Stems/trunk	<input type="checkbox"/> High areas	<b>Soil pH:</b> _____
<input type="checkbox"/> Greenhouse	_____ Total # of plants	<input type="checkbox"/> Browning	<input type="checkbox"/> Roots	<input type="checkbox"/> Low areas	<b>Soil drainage:</b>
<input type="checkbox"/> Golf course		<input type="checkbox"/> Stunting	<input type="checkbox"/> Leaves	<input type="checkbox"/> Scattered plants	<input type="checkbox"/> Good
<input type="checkbox"/> Lawn/Turf	<b>Incidence</b>	<input type="checkbox"/> Wilting	<input type="checkbox"/> Flowers	<input type="checkbox"/> Groups of plants	<input type="checkbox"/> Moderate
<input type="checkbox"/> Landscape	_____ # Acres affected	<input type="checkbox"/> Rot	<input type="checkbox"/> Fruits/seeds	<input type="checkbox"/> Uniform	<input type="checkbox"/> Poor
<input type="checkbox"/> Home - interior	_____ sq. ft. affected	<input type="checkbox"/> Dead areas	<input type="checkbox"/> Entire plant	<input type="checkbox"/> Wet areas	<b>Previous crops:</b>
<input type="checkbox"/> Nursery/Orchard	_____ % of area affected	<input type="checkbox"/> Tip Dieback	<input type="checkbox"/> Branches__%	<input type="checkbox"/> Sunny spots	Yr 1: _____
<input type="checkbox"/> Pasture	_____ % of area affected	<input type="checkbox"/> Leaf drop	<input type="checkbox"/> Other:	<input type="checkbox"/> Shady spots	Yr 2: _____
<input type="checkbox"/> Garden	-- Or --	<input type="checkbox"/> Bending or Twisting	<b>Distribution on Plant</b>	<input type="checkbox"/> Edge of planting	Yr 3: _____
<input type="checkbox"/> Shelterbelt	_____ # of plants affected	<input type="checkbox"/> Abnormal growth	<input type="checkbox"/> Upper canopy	<input type="checkbox"/> Other:	
<input type="checkbox"/> Other:	_____ % of plants affected	<input type="checkbox"/> Other:	<input type="checkbox"/> Lower canopy		
			<input type="checkbox"/> Inner canopy		
			<input type="checkbox"/> Outer Canopy		
			<input type="checkbox"/> Random		

**Cultural practices:** Where applicable, please provide active ingredients or trade names, application dates, and rates:  
 Fertilizers:  
 Seed treatments:  
 Herbicides:  
 Insecticides:  
 Fungicides:  
 Tillage practices:  
**Please describe problem in detail on reverse side**

**Detailed description of problem and additional information:**

**PLANTS:** For general plant problems, try to send several affected plants showing a range of symptoms. Completely dead plants rarely are informative. Try to send entire plants, when feasible, since some above-ground symptoms can be attributed to a problem with the lower stem or roots. When digging plants, try to keep the roots intact with soil, as a root ball, to help prevent the sample from drying out. Wrap the root ball in a separate plastic bag (tied off at the stem) to prevent soil from coming in contact with leaves. Wrap foliage in DRY paper towels (to absorb moisture and to prevent decay), and the entire sample should then be placed in another, loosely folded plastic bag. Do not allow leaves, paper tags, or labels to contact soil.

**MUSHROOMS AND FRUITS:** Wrap mushrooms or fruits in dry paper towels or newspaper and place in sturdy box to avoid crushing.

**INSECTS:** Send small insects in a small vial of alcohol (never in an envelope). Pack large insects, such as moths, in cotton.  
Please **DO NOT SEND LIVE INSECTS**.

***Turfgrass samples:***

Plugs that are about 3-5" in diameter and deep enough to include the roots (usually about 3") are ideal. The best sample consists of a completely diseased plug, a healthy plug, and a plug from the transition zone between diseased and healthy turf.

***Dutch elm disease testing and other vascular wilt testing:***

Live, symptomatic branches that are at least 1" in diameter and 6-8" long should be submitted, with leaves attached.

***Soil samples for nematode screen or Aphanomyces assay:***

1. Use a soil probe to collect samples, 6-8 inches in depth.
2. Using a zigzag pattern, collect 10-20 soil cores per every 10 to 20 acres.
3. Collect cores from areas of similar soil type and crop history.
4. Dump cores from each 10-20 acre set into a bucket or tub and mix thoroughly.
5. For nematode screening, send 1 pint (2 cups) of mixed soil in a soil sampling bag or plastic zippered bag. For Aphanomyces indexing, send about 1 gallon (32 cups) of soil per 10-20 acre set. Label the bags with a permanent marker. Don't allow paper labels to come in contact with soil.
6. Store sample in a cool, dark place until shipped to the lab. Ship as soon as possible to: NDSU Plant Diagnostic Lab, NDSU Dept 7660, PO Box 6050, Fargo ND 58108-6050 (for United States Postal Service); or NDSU Plant Diagnostic Lab, 306 Walster Hall, Fargo ND 58102 (for private shippers).

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