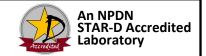


## **Plant Disease Diagnostic Clinic**

Oak Wilt Suspect Sample Instructions



# Sample Submission Instructions for Oak Wilt Analysis in New York State

The Cornell Plant Disease Diagnostic Clinic (PDDC) is working with the NYS Department of Environmental Conservation (NYSDEC) to collect and analyze samples that may be infected with the oak wilt pathogen. We are interested in learning about suspect trees.

### Prior to collecting and shipping a sample, please submit one or more good digital photos.

- We would like to see an image of the overall symptoms on the tree(s) and another image of the symptoms on individual leaves. Digital photos may be submitted to the CU-PDDC laboratory director at: kls13@cornell.edu. Note: Please downsize photos before sending them so you can include a few good images. Large photos may be rejected.
- If symptoms are determined to be suspicious and sample submission approved, you will be contacted by a PDDC staff member. Please provide as much information as you can on this form and include it with the submitted plant material.
- We provided instructions for how to collect and ship a sample below, but if needed, you can also contact your local Cornell Cooperative Extension Office for assistance with a possible oak wilt suspect sample. County Educators will assist you with determining if a sample is a good candidate for submission and how to collect and send a quality sample.
- If you are a private citizen, please do not collect samples from or take photos of trees on others' private property. If you know of a suspect tree at a location other than your own property, contact the NYSDEC reporting hotline at 866-650-0652. State regulatory officials (NYSDEC, New York State Department of Agriculture & Markets [NYSDAM]) will contact the owners of the property regarding analysis.

For additional information on symptoms of Oak Wilt please visit our web page at:

www.plantclinic.cornell.edu/oakwiltpage.html or http://www.dec.ny.gov/lands/46919.html

-----

## Instructions for Collecting and Shipping the Sample(s)

- Collect six (6) to ten (10) twigs that are 6 to 12 inches long and a minimum of 1/2 inch and not more than 2 inches in diameter from one or more <u>living, symptomatic</u> branches on each suspicious tree. A minimum of three (3) twigs is acceptable if the branch segments fit the larger suggested length and width.
- Provide a unique identification that is descriptive to you for each sample, such as: "West side of house" or "Right front corner of yard" or "Tree #1, Tree #2 and Tree #3", etc.; Label each sample accordingly.
- Although leaf tissue is not tested for oak wilt, leaf symptoms can provide diagnostic information and may be used if testing for a different pathogen is deemed necessary. Please include 10-15 symptomatic leaves. **Leaves should be dry.**
- Suspect branch tissue for each sample should be placed in a sealable plastic bag. Associated leaf tissue should be placed in a <u>separate</u> sealable plastic bag. Both should then be placed in a third plastic bag to <u>create a double-bagged sample</u>.
- Place the completed sample submission form in the outer plastic bag with the twig and leaf bags or in a separate sealable plastic bag. This step is necessary to ensure the paperwork does not get moist in transit. Moist paper can break down easily and submission information can be lost on a degraded form. Label the bags with a marker just in case the forms are damaged or separated in shipment.
- Ship samples in a secure container such as a sturdy cardboard box, mailing tube, or styrofoam container. Samples should be shipped via overnight delivery service or hand delivered to the diagnostic facility.

#### Shipping address:

Karen Snover-Clift-Plant Disease Diagnostic Clinic 329 Plant Science Building; 236 Tower Road Ithaca NY 14853

607-255-7850 (Clinic main office-Sandra) or 607-227-0397 (Karen's cell)

CU-PDDC-Form-OW-002 Approved by: Karen Snover-Clift Effective Date: 04-17-20 Version 1.3



# **Plant Disease Diagnostic Clinic**

Oak Wilt Suspect Sample Submission Form



**If you suspect one or more oak trees** of being infected with the **oak wilt pathogen** and you wish to submit a sample for analysis, please include the following information. These details are important!

Provide <b>site or contact information</b> below. This is needed for reference to the location of the sample and/or to contact you if the PDDC staff have questions.	NYSDEC, NYSDAN	act information of the <b>referring agent</b> (CCE, A, Arborist) if submitting for a client or an your home or for others to be copied:
Name:	Name:	
Address:		
Phone: () Cell Phone: ()		Cell Phone: ()
Email address:	Email address:	
Are you informing our staff of		
If the site specific tree species is not known, please indicate one of the following:  The majority of symptomatic tree(s) appear to be in the red oak family (leaves typically have pointed lobes)  The majority of symptomatic tree(s) appear to be in the white oak family (leaves typically have rounded lobes)  More than one tree is showing symptoms, and trees may not be the same species		
Number of complex submitted for englysics   1	]2 🖂 🖂 🖂 🗆	Observed Signs & Symptoms:
Number of samples submitted for analysis:   1,  2,  3,  4,  5		Branch flagging
Collection date (MM/DD/YY)?:		Cracks in bark
Symptoms appeared date (MM/DD/YY)?:		Leaf distortion/cupping/curling
Location (If differs from contact info)?		Marginal leaf scorch (browning)
Please provide for each sample being submitted:		Shedding leaves (also answer below):
Unique/Field ID Host Genus and species Host common name		☐ all colors dropped at same time
1		only brown leaves dropped
2		Thinning of leaves (canopy appears thin)
3		Twig dieback
4		Vascular discoloration/streaking
5.		Wilting
		Yellowing Othor:
The <b>number of trees showing symptoms</b> near sample collection area:		Other:
1 2 to 5 6 or more too many to estimate		Symptoms Distribution on Plant:
Other details or comments?		Lower branches Upper branches
Cities details of confinents:		Scattered branches Entire tree(s)
		Varies by tree
		Other:

Effective Date: 04-17-20