



TEXAS PLANT DISEASE DIAGNOSTIC LABORATORY

1500 Research Parkway, Suite A130
 Texas A&M University
 College Station, TEXAS 77845
 phone: 979.321.5390 fax:979.845.6499

email: plantclinic@tamu.edu http://plantclinic.tamu.edu

PIERCE'S DISEASE (Xylella) DETECTION FORM

Accurate disease identification, diagnosis and management recommendations are dependent on submission of appropriate specimens with thorough background information. Incomplete information and/or poor samples may lead to inaccurate diagnosis. Refer to the back of this form for sampling and mailing instructions.

This assay is currently available to growers in Texas only.

SUBMITTER CONTACT INFORMATION (PLEASE PRINT)

Name: _____ Company Name: _____
 Address: _____ County: _____
 City: _____ State/Zip: _____
 Phone: _____ Fax: _____ cell: _____
 Email: _____

This service is only available to the following: **Submitter is** Grower(Vineyard) Extension Consultant
Send result via: Email Fax Standard mail

SAMPLE LOCATION INFORMATION (please complete if different from submitter)

Company Name: _____ County: _____
 Address: _____
 City: _____ State/Zip: _____

For TPDDL Use Only

SAMPLE(s) DESCRIPTION:

Date problem first noticed : _____ % of plants affected (symptomatic plants/total plants): _____
 Is vineyard treated to manage sharpshooter insect? YES NO Last treatment date: _____
 Has PIERCE'S DISEASE been diagnosed in this vineyard? YES NO Lab: _____

Please complete one line per sample, additional input table found on page 2 of form. Also please complete vineyard sketch (page 2).

For Office Use Only TPDDL #	LABEL	Grape Variety	Planting Date	Symptoms observed (Please check <input checked="" type="checkbox"/> all that apply)
				<input type="checkbox"/> Burn/scorch <input type="checkbox"/> Raisining <input type="checkbox"/> Petiole Retention <input type="checkbox"/> Dieback <input type="checkbox"/> Green islands <input type="checkbox"/> Stunting <input type="checkbox"/> Other: _____
				<input type="checkbox"/> Burn/scorch <input type="checkbox"/> Raisining <input type="checkbox"/> Petiole Retention <input type="checkbox"/> Dieback <input type="checkbox"/> Green islands <input type="checkbox"/> Stunting <input type="checkbox"/> Other: _____
				<input type="checkbox"/> Burn/scorch <input type="checkbox"/> Raisining <input type="checkbox"/> Petiole Retention <input type="checkbox"/> Dieback <input type="checkbox"/> Green islands <input type="checkbox"/> Stunting <input type="checkbox"/> Other: _____
				<input type="checkbox"/> Burn/scorch <input type="checkbox"/> Raisining <input type="checkbox"/> Petiole Retention <input type="checkbox"/> Dieback <input type="checkbox"/> Green islands <input type="checkbox"/> Stunting <input type="checkbox"/> Other: _____
				<input type="checkbox"/> Burn/scorch <input type="checkbox"/> Raisining <input type="checkbox"/> Petiole Retention <input type="checkbox"/> Dieback <input type="checkbox"/> Green islands <input type="checkbox"/> Stunting <input type="checkbox"/> Other: _____
				<input type="checkbox"/> Burn/scorch <input type="checkbox"/> Raisining <input type="checkbox"/> Petiole Retention <input type="checkbox"/> Dieback <input type="checkbox"/> Green islands <input type="checkbox"/> Stunting <input type="checkbox"/> Other: _____

PIERCE'S DISEASE (Xylella) DETECTION Assay - Charges per submission. PLEASE CHECK ONE (ELISA testing will be done if left unchecked).

ELISA testing: \$55 per sample for first 5 samples. \$15 for each subsequent sample. (Default) Real-Time PCR testing: \$75 per sample for first 5 samples. \$15 for each subsequent sample.

IF AG-257 filled, send invoice to submitter. Payment enclosed.
 Acct/PO reference _____ Please make checks payable to Texas AgriLife Extension Service (TPDDL).

Please refer to <https://plantclinic.tamu.edu/fees/> for most current fees

Signature _____ Printed Name _____ Submission date _____

†Signature required before sample can be processed (AgriLife Extension personnel exempted)

The Texas Plant Disease Diagnostic Laboratory (TPDDL) is a service to the people of Texas by the Department of Plant Pathology and Microbiology at Texas A&M University in conjunction with Texas AgriLife Extension Service. The TPDDL is open from 8:00 am-12:00pm & 1:00pm-5:00pm Monday-Friday (except holidays) and is located at the Centeq Building at Texas A&M University in College Station. Samples and payments should be submitted to:

Texas AgriLife Extension Service –TPDDL
 1500 Research Parkway, Suite A130
 College Station, TX 77845
 Phone: 979.321.5390 Fax: 979.845.6499
 Email: plantclinic@tamu.edu Website: http://plantclinic.tamu.edu

TPDDL POLICY

1. Submitted sample must be of adequate quality and quantity accompanied with a completed PIERCE's DISEASE (Xylella) Detection Form (TPDDL 1004) or equivalent information for diagnostic testing. NOTE: TPDDL personnel reserve the right to discard any sample that does not meet the submission criteria.
2. Samples are typically processed on a first come, first served basis. Please call to query turn-around time.
3. Report (results and recommendations) are emailed, faxed, or direct mailed to the person(s) as specified on the submission form. If not specified, only payee of services will receive the report. This assay will only specify the presence of the pathogen based on the type of testing used.

GRAPE VINE SAMPLING and SHIPPING GUIDELINES

Quality of diagnosis is dependent on the quality of the submitted sample

1. SAMPLE COLLECTION- Vines with suspect symptoms are the best candidates for confirmation of Pierce's Disease. A sample should consist of a minimum of 3-4 petioles, with leaf blades attached, removed from symptomatic canes. The leaves should be distributed along the cane, starting with the basal-most leaf and moving toward the tip of the cane. Not all leaves need to have symptoms. One cane per vine is sufficient, but multiple samples consisting of numerous different canes on a vine may also be submitted, particularly if those canes are symptomatic. Composites of different vines are also acceptable, depending on the objectives of the sampling scheme.
2. SAMPLE LABELING - If submitting more than one sample, please LABEL outside each bag clearly with a permanent marker.
3. COMPLETE FORM – Complete the PIERCE's DISEASE (Xylella) Detection Form (TPDDL 1004). Make sure that sample label is consistent with information describe on form. Check type of testing requested (ELISA testing will be performed as a default). Consent to pay signature needed before testing are performed.
4. SHIPPING SAMPLES – You may use Postal Service or private shipping service, but same day or next day service is recommended. Place petiole and blade tissues in a sealed plastic bag with a paper towel – DO NOT add water to sample. Store the sample in a refrigerator until being shipped. Following collection of the sample in the field, they should be stored in a cooler with "blue ice" until placed into the container for shipping. Please ensure that specimen does not get crushed.

<p>Please sketch vineyard plan (# - location of sampled vine)</p> <div style="text-align: right; margin-top: 10px;"> </div>
<p>GPS Coordinates of vineyard</p>

For Office Use Only TPDDL #	LABEL	Grape Variety	Planting Date	Symptoms observed (Please check <input checked="" type="checkbox"/> all that apply)
				<input type="checkbox"/> Burn/scorch <input type="checkbox"/> Raisining <input type="checkbox"/> Petiole Retention <input type="checkbox"/> Dieback <input type="checkbox"/> Green islands <input type="checkbox"/> Stunting <input type="checkbox"/> Other: _____
				<input type="checkbox"/> Burn/scorch <input type="checkbox"/> Raisining <input type="checkbox"/> Petiole Retention <input type="checkbox"/> Dieback <input type="checkbox"/> Green islands <input type="checkbox"/> Stunting <input type="checkbox"/> Other: _____
				<input type="checkbox"/> Burn/scorch <input type="checkbox"/> Raisining <input type="checkbox"/> Petiole Retention <input type="checkbox"/> Dieback <input type="checkbox"/> Green islands <input type="checkbox"/> Stunting <input type="checkbox"/> Other: _____
				<input type="checkbox"/> Burn/scorch <input type="checkbox"/> Raisining <input type="checkbox"/> Petiole Retention <input type="checkbox"/> Dieback <input type="checkbox"/> Green islands <input type="checkbox"/> Stunting <input type="checkbox"/> Other: _____
				<input type="checkbox"/> Burn/scorch <input type="checkbox"/> Raisining <input type="checkbox"/> Petiole Retention <input type="checkbox"/> Dieback <input type="checkbox"/> Green islands <input type="checkbox"/> Stunting <input type="checkbox"/> Other: _____
				<input type="checkbox"/> Burn/scorch <input type="checkbox"/> Raisining <input type="checkbox"/> Petiole Retention <input type="checkbox"/> Dieback <input type="checkbox"/> Green islands <input type="checkbox"/> Stunting <input type="checkbox"/> Other: _____
				<input type="checkbox"/> Burn/scorch <input type="checkbox"/> Raisining <input type="checkbox"/> Petiole Retention <input type="checkbox"/> Dieback <input type="checkbox"/> Green islands <input type="checkbox"/> Stunting <input type="checkbox"/> Other: _____