



Extension

UNIVERSITY OF WISCONSIN-MADISON

## UW-Madison/Extension Plant Disease Diagnostic Clinic (PDDC) Update

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The PDDC is now once again accepting physical samples for diagnosis, but due to COVID-19, only with limited hours and limited sample processing capacity. [Click here](#) for the current submission policy. The PDDC is continuing to provide diagnoses through examination of digital photographs. Digital diagnoses have not traditionally been included in the Wisconsin Disease Almanac, because such diagnoses are not verified through lab testing (critical in most situations for a diagnosis to be accurate). However, in an attempt to keep clients as informed as possible, digital diagnoses will be included in the Almanac until normal PDDC operations resume. For Almanac entries below, when a digital diagnosis would normally require a lab confirmation, the disease/disorder will be labeled as “suspected”. The following diseases/disorders have been identified at the PDDC from August 8, 2020 through August 14, 2020.

| PLANT/SAMPLE TYPE                     | DISEASE/DISORDER                        | PATHOGEN                                    | COUNTY                                   |
|---------------------------------------|---|---|--|
| <b>BROAD LEAFED WOODY ORNAMENTALS</b> |   |   |  |
| Birch (Himalayan)                     | Septoria Leaf Spot (Suspected)          | <i>Septoria</i> sp.                         | Sheboygan                                |
| Birch (River)                         | Mouse Ear/Nickel Deficiency (Suspected) | None  | Milwaukee                                |
| Boxwood                               | Fusarium Canker (Suspected)             | <i>Fusarium</i> sp.                         | Milwaukee                                |
|                                       | Root/Crown Rot (Suspected)              | Unspecified rot/crown rot fungi/water molds | Milwaukee                                |
|                                       | Volutella Canker (Suspected)            | <i>Volutella</i> sp.                        | Milwaukee                                |
| Crabapple                             | Fire Blight (Suspected)                 | <i>Erwinia amylovora</i>                    | Dane                                     |
|                                       | Girdled Trunk                           | None  | Dane                                     |
|                                       | Gymnosporangium Rust                    | <i>Gymnosporangium</i> sp.                  | Dane                                     |
|                                       | Sphaeropsis Canker                      | <i>Sphaeropsis</i> sp.                      | Dane                                     |
| Elderberry                            | Transplant Shock (Suspected)            | None  | Unknown (IL)                             |
|                                       | Verticillium Wilt (Suspected)           | <i>Verticillium</i> sp.                     | Unknown (IL)                             |
| Hydrangea                             | Water Stress (Suspected)                | None  | Brown                                    |
| Lilac (Unspecified)                   | Powdery Mildew                          | <i>Oidium</i> sp.                           | Eau Claire                               |
|                                       | Septoria Leaf Spot (Suspected)          | <i>Septoria</i> sp.                         | Dane, Eau Claire, Green, Sauk, St. Croix |

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| BROAD LEAFED<br>WOODY<br>ORNAMENTALS<br>(Continued) |  |   |   |
|---|--|---|---|
| Linden  | Chlorosis<br>Girdling Roots (Suspected)<br>Overly Deep Planting<br>Verticillium Wilt (Suspected)   | None<br>None<br>None<br><i>Verticillium sp.</i>   | Brown<br>Brown<br>Brown<br>Brown  |
| Maple ('Autumn Blaze')                              | Frost Crack<br>Girdling Roots (Suspected)<br>Overly Deep Planting  | None<br>None<br>None  | Marathon<br>Marathon<br>Marathon  |
| Maple (Japanese)                                    | Cold Injury (Suspected)  | None  | Waukesha  |
| Maple (Japanese/Korean)                             | Verticillium Wilt (Suspected)  | <i>Verticillium sp.</i>   | Dane  |
| Maple (Norway)                                      | Tar Spot   | <i>Rhytisma acerinum</i>  | Dane,<br>Walworth   |
| Maple (Sugar)                                       | Steganosporium Canker  | <i>Steganosporium sp.</i>   | Green   |
| Maple (Unspecified)                                 | Canker Disease<br>Chlorosis<br>Frost Crack<br>Girdling Roots (Suspected)<br>Overly Deep Planting<br>Phytoplasma Disease (Suspected)<br>Verticillium Wilt (Suspected) | Unspecified canker fungus<br>None<br>None<br>None<br>None<br>Unspecified phytoplasma<br><i>Verticillium sp.</i>                                     | Ozaukee<br>Brown<br>Clark<br>Brown, Clark<br>Brown, Clark<br>Richland<br>Washburn |
| Mountain-Ash  | Lichens  | None  | Portage   |
| Oak (Pin)   | Oak Leaf Blister (Suspected)   | <i>Taphrina caerulescens</i>  | Jefferson   |
| Oak (Unspecified)                                   | Anthraxnose (Suspected)<br>Chlorosis<br>Heart Rot<br>Oak Wilt<br>Oak Wilt (Suspected)<br>Tubakia Leaf Spot   | <i>Discula sp.</i><br>None<br>Unspecified heart rot fungus<br><i>Bretziella fagacearum</i><br><i>Bretziella fagacearum</i><br><i>Tubakia dryina</i> | Brown<br>Brown,<br>Ozaukee<br>Dodge<br>Dane<br>Brown<br>Waukesha                  |



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| <b>BROAD LEAFED WOODY ORNAMENTALS (Continued)</b> |  |  |                    |
|---|--|--|--------------------|
| Oak (Unspecified)                                 | Tubakia Leaf Spot (Suspected)                                | <i>Tubakia dryina</i>                  | Brown, Ozaukee     |
| Pear (Ornamental)                                 | <a href="#">Pear Scab</a> (Suspected)                        | <i>Venturia pirina</i>                 | Winnebago          |
| Redbud  | <a href="#">Verticillium Wilt</a> (Suspected)                | <i>Verticillium</i> sp.                | Dane, Unknown (OH) |
| Serviceberry                                      | <a href="#">Powdery Mildew</a>                               | <i>Oidium</i> sp.                      | Dane               |
|   | Water Stress (Suspected)                                     | None                                   | Dane, Racine       |
| Spirea (Unspecified)                              | Spirea Stunt (Suspected)                                     | Spirea stunt phytoplasma               | Waukesha           |
| Tree (Unspecified)                                | Wood Rot   | <i>Irpex lacteus</i>                   | Waupaca            |
| <b>FRUIT CROPS</b>                                |  |  |                    |
| Apple   | <a href="#">Fire Blight</a> (Suspected)                      | <i>Erwinia amylovora</i>               | Sheboygan          |
|   | <a href="#">Gymnosporangium Rust</a>                         | <i>Gymnosporangium</i> sp.             | Waukesha           |
| Blueberry   | Gloeosporium Leaf Spot and Canker                            | <i>Gloeosporium</i> sp.                | Green              |
| Grape ('La Crosse')                               | <a href="#">Downy Mildew</a>                                 | <i>Plasmopara viticola</i>             | Vernon             |
|   | <a href="#">Powdery Mildew</a>                               | <i>Erysiphe necator</i>                | Vernon             |
| Grape ('Petite Perils')                           | Black Rot  | <i>Guignardia bidwellii</i>            | Vernon             |
| Grape ('St. Pepin')                               | <a href="#">Powdery Mildew</a>                               | <i>Erysiphe necator</i>                | Vernon             |
| Grape (Unspecified)                               | Black Rot (Suspected)  | <i>Guignardia bidwellii</i>            | Shawano            |
| Plum  | Bacterial Leaf Spot/ Bacterial Shot Hole                     | Unspecified leaf spot bacterium        | Marathon           |
| <b>HERBACEOUS ORNAMENTALS</b>                     |  |  |                    |
| Hosta   | Sunburn (Suspected)  | None                                   | Eau Claire         |
|   | Transplant Shock (Suspected)                                 | None                                   | Eau Claire         |
|   | Water Stress (Suspected)                                     | None                                   | Eau Claire         |
| Peony (Tree)                                      | <a href="#">Root Rot</a> (Suspected)                         | Unspecified root rot fungus/water mold | Dane               |
| <b>NEEDED WOODY ORNAMENTALS</b>                   |  |  |                    |
| Arborvitae  | Phyllosticta Needle Blight                                   | <i>Phyllosticta</i> sp.                | Brown, Dane        |
|   | Winter Injury (Suspected)                                    | None                                   | Dane               |
| Pine (Red)  | <a href="#">Diplodia Shoot Blight And Canker</a> (Suspected) | <i>Diplodia</i> sp.                    | Dane               |



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| NEEDED WOODY ORNAMENTALS<br>(Continued) |  |   |                      |
|---|--|---|----------------------|
| Pine (White)                            | Canker Disease                                       | Unspecified canker fungus                                 | Washington           |
|   | <a href="#">Chlorosis</a> (Suspected)                | None  | Washington           |
|   | Girdling Roots (Suspected)                           | None  | Washington           |
|   | Improper Planting (Suspected)                        | None  | Washington           |
|   | Overly Deep Planting                                 | None  | Washington           |
| Spruce (Norway)                         | Needle Loss From Shading                             | None  | Racine               |
|   | <a href="#">Rhizosphaera Needle Cast</a> (Suspected) | <i>Rhizosphaera kalkhoffii</i>                            | Racine               |
| Spruce (Unspecified)                    | Drought Stress (Suspected)                           | None  | Waukesha             |
| VEGETABLE CROPS                         |  |   |                      |
| Basil                                   | <a href="#">Downy Mildew</a> (Suspected)             | <i>Peronospora belbahrii</i>                              | Dane                 |
|   | <a href="#">Root Rot</a>                             | Unspecified root rot fungus/water mold                    | Dane                 |
| Cucumber                                | Angular Leaf Spot (Suspected)                        | <i>Pseudomonas syringae</i> pv. <i>lachrymans</i>         | Dane                 |
|   | Anthracnose (Suspected)                              | <i>Colletotrichum orbiculare</i>                          | Barron, Dane         |
|   | <a href="#">Bacterial Wilt</a> (Suspected)           | <i>Erwinia tracheiphila</i>                               | Dane                 |
| Eggplant                                | Viral Disease (Suspected)                            | Unspecified virus   | Waukesha             |
| Pepper                                  | Bacterial Spot (Suspected)                           | <i>Xanthomonas</i> sp.                                    | Price                |
| Snapbean                                | <a href="#">Crown Gall</a>                           | <i>Agrobacterium tumefaciens</i>                          | Waukesha             |
|   | Rust   | <i>Uromyces appendiculatus</i> var. <i>appendiculatus</i> | Fond Du Lac          |
| Squash (Spaghetti)                      | <a href="#">Crown Gall</a>                           | <i>Agrobacterium tumefaciens</i>                          | Waukesha             |
|   | Plectosporium Blight (Suspected)                     | <i>Plectosphaerella cucumerina</i>                        | Vernon               |
| Tomato                                  | <a href="#">Blossom End Rot</a>                      | None  | Juneau               |
|   | <a href="#">Early Blight</a>                         | <i>Alternaria solani</i>                                  | Juneau               |
|   | Fertility Issues (Suspected)                         | None  | Green Lake, Waukesha |
|   | Water Stress (Suspected)                             | None  | Green Lake           |

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| MISCELLANEOUS |               |      |                    |
|---------------|---------------|------|--------------------|
| Plant ID      | Giant Ragweed | None | Dane,<br>Manitowoc |

To learn more about plant diseases and their control, as well as PDDC educational resources and activities, visit the PDDC website at [pddc.wisc.edu](http://pddc.wisc.edu), follow the clinic on Facebook and Twitter @UWPDDC or email [pddc@wisc.edu](mailto:pddc@wisc.edu) to subscribe to the PDDC listserv "UWPDDCLearn".