



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 July 25, 2020 through July 31, 2020.

| PLANT/SAMPLE TYPE                             | DISEASE/DISORDER                             | PATHOGEN                    | COUNTY                  |
|---|--|-----------------------------|-------------------------|
| <b>BROAD LEAFED<br/>WOODY<br/>ORNAMENTALS</b> |  |                             |                         |
| Ash (White)                                   | <a href="#">Herbicide Damage</a>             | None                        | Winnebago               |
| Ash (Unspecified)                             | Deer Damage (Suspected)                      | None                        | Dane                    |
| Aspen (Unspecified)                           | Septoria Leaf Spot (Suspected)               | <i>Septoria</i> sp.         | Dane                    |
| Boxwood                                       | Canker Disease (Suspected)                   | Unspecified canker fungus   | Waukesha                |
|   | Winter Injury (Suspected)                    | None                        | Waukesha                |
| Burning Bush                                  | Phomopsis Canker (Suspected)                 | <i>Phomopsis</i> sp.        | Dane                    |
| Cherry (Ornamental)                           | <a href="#">Bacterial Canker</a> (Suspected) | <i>Pseudomonas syringae</i> | Racine                  |
| Chokeberry                                    | <a href="#">Chlorosis</a>                    | None                        | Dane                    |
|   | Entomosporium Leaf Spot (Suspected)          | <i>Entomosporium</i> sp.    | Dane                    |
|   | Transplant Shock (Suspected)                 | None                        | Dane                    |
| Crabapple                                     | <a href="#">Fire Blight</a> (Suspected)      | <i>Erwinia amylovora</i>    | Dane, Ozaukee, Waukesha |
|   | <a href="#">Gymnosporangium Rust</a>         | <i>Gymnosporangium</i> sp.  | Dane, Ozaukee           |
|   | Sphaeropsis Canker                           | <i>Sphaeropsis</i> sp.      | Dane                    |
| Dogwood (Cornelian Cherry)                    | Excessive Shade                              | None                        | Dane                    |



## Extension

UNIVERSITY OF WISCONSIN-MADISON

| BROAD LEAFED<br>WOODY<br>ORNAMENTALS<br>(Continued) |  |   |   |
|---|--|---|---|
| Dogwood<br>(Unspecified)                            | Septoria Leaf Spot<br>(Suspected)  | <i>Septoria</i> sp.   | La Crosse                                     |
| Elderberry  | <a href="#">Verticillium Wilt</a><br>(Suspected)   | <i>Verticillium</i> sp.   | Racine  |
| Elm (Unspecified)                                   | <a href="#">Anthracnose</a><br><a href="#">Bacterial Wetwood</a>   | <i>Gloeosporium</i> sp.<br>Miscellaneous bacteria                               | Winnebago<br>Dane                             |
| Hackberry   | Hackberry Island Chlorosis<br><br><a href="#">Herbicide Damage</a>   | Hackberry island chlorosis<br>virus<br>None                                     | Dane<br>Jefferson                             |
| Honeylocust   | Butt Rot<br>Honeylocust Gall<br>(Suspected)  | <i>Ganoderma</i> sp.<br>Unknown   | Brown<br>Waukesha                             |
| Lilac (Japanese Tree)                               | <a href="#">Verticillium Wilt</a><br>(Suspected)   | <i>Verticillium</i> sp.   | Dane  |
| Lilac (Late)  | Lilac Witches' Broom<br>(Suspected)  | <i>Candidatus phytoplasma<br/>fraxini</i>                                       | Milwaukee                                     |
| Lilac (Shrub)                                       | Cold Injury (Suspected)<br>Overly Shaded Location<br><a href="#">Powdery Mildew</a><br>Septoria Leaf Spot<br>Septoria Leaf Spot<br>(Suspected) | None<br>None<br><i>Oidium</i> sp.<br><i>Septoria</i> sp.<br><i>Septoria</i> sp. | Dane<br>Dane<br>Dane<br>Grant<br>Dane, Vernon |
| Linden  | <a href="#">Verticillium Wilt</a><br>(Suspected)   | <i>Verticillium</i> sp.   | Milwaukee                                     |
| Maple ('Northwind')                                 | <a href="#">Verticillium Wilt</a>  | <i>Verticillium</i> sp.   | Dane  |
| Maple (Norway)                                      | <a href="#">Anthracnose</a> (Suspected)<br>Zonate Leaf Spot<br>(Suspected)   | <i>Discula</i> sp.<br><i>Grovesinia pyramidalis</i>                             | Dane<br>Dane                                  |
| Maple (Red)   | <a href="#">Anthracnose</a> (Suspected)  | <i>Discula</i> sp.  | Dane  |
| Maple (Silver)                                      | <a href="#">Anthracnose</a> (Suspected)<br><a href="#">Chlorosis</a>   | <i>Discula</i> sp.<br>None  | Sauk<br>Sauk                                  |
| Maple (Unspecified)                                 | <a href="#">Bacterial Wetwood</a><br>(Suspected)<br>Coryneum Canker<br>(Suspected)   | Miscellaneous bacteria<br><br><i>Coryneum</i> sp.                               | Eau Claire<br>Lafayette                       |



## Extension

UNIVERSITY OF WISCONSIN-MADISON

# Wisconsin Disease Almanac

| BROAD LEAFED<br>WOODY<br>ORNAMENTALS<br>(Continued) |  |   |                          |
|---|--|---|--------------------------|
| Maple (Unspecified)                                 | Girdling Roots (Suspected)                 | None  | Dane,<br>Lafayette, Rock |
|   | Overly Deep Planting                       | None  | Dane,<br>Lafayette, Rock |
| Mulberry (Weeping)                                  | Cylindrosporium Leaf Spot (Suspected)      | <i>Cylindrosporium</i> sp.                        | La Crosse                |
| Ninebark  | Leaf Spot                                  | Unspecified leaf spot fungus                      | Wood                     |
| Oak (Bur)   | Bur Oak Blight (Suspected)                 | <i>Tubakia iowensis</i>                           | Milwaukee                |
|   | Chlorosis                                  | None  | Bayfield                 |
| Oak (Northern Red)                                  | Chlorosis                                  | None  | Outagamie                |
|   | Tubakia Leaf Spot                          | <i>Tubakia dryina</i>                             | Outagamie                |
| Oak (Pin)   | Anthracnose (Suspected)                    | <i>Discula</i> sp.                                | Sauk                     |
|   | Chlorosis                                  | None  | Sauk                     |
| Oak (Unspecified)                                   | Anthracnose (Suspected)                    | <i>Discula</i> sp.                                | Dane, Iowa               |
|   | Chlorosis                                  | None  | Brown,<br>Waukesha       |
|   | Construction Damage (Suspected)            | None  | Dane                     |
|   | Fungicide Toxicity (Suspected)             | None  | Adams                    |
|   | Hypoxylon/Biscogniauxia Canker (Suspected) | <i>Hypoxylon</i> sp./<br><i>Biscogniauxia</i> sp. | Ozaukee                  |
|   | Tubakia Leaf Spot (Suspected)              | <i>Tubakia dryina</i>                             | Brown                    |
| Pear (Callery)                                      | Cold Injury (Suspected)                    | None  | Dane                     |
|   | Fire Blight (Suspected)                    | <i>Erwinia amylovora</i>                          | Door,<br>Waukesha        |
| Peony (Tree)  | Chlorosis                                  | None  | Waukesha                 |
| Plum (Ornamental)                                   | Overly Deep Planting                       | None  | Dane                     |
| Rhododendron  | Phytophthora Root/Crown Rot (Suspected)    | <i>Phytophthora</i> sp.                           | Dane                     |
| Serviceberry  | Cylindrosporium Leaf Spot                  | <i>Cylindrosporium</i> sp.                        | Chippewa                 |
|   | Powdery Mildew                             | <i>Podosphaera clandestina</i>                    | Chippewa                 |



## Extension

UNIVERSITY OF WISCONSIN-MADISON

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| <b>BROAD LEAFED<br/>WOODY<br/>ORNAMENTALS<br/>(Continued)</b> |  |  |                           |
|---|--|--|---------------------------|
| Spirea (Unspecified)  | Leaf Spot  | Unspecified leaf spot fungus                       | Waukesha                  |
|   | Salt Injury (Suspected)                          | None   | Waukesha                  |
|   | Transplant Shock (Suspected)                     | None   | Waukesha                  |
| Virginia-Creeper  | <a href="#">Guignardia Leaf Spot</a> (Suspected) | <i>Guignardia bidwellii</i>                        | Dane                      |
| <b>FIELD CROPS</b>  |  |  |                           |
| Corn  | Southern Rust                                    | <i>Puccinia polysora</i>                           | Dodge                     |
| Soybean   | Fusarium Root Rot                                | <i>Fusarium oxysporum</i> ,<br><i>Fusarium sp.</i> | Grant,<br>Outagamie       |
|   | <a href="#">Phytophthora Root and Stem Rot</a>   | <i>Phytophthora sp.</i>                            | Grant, Iowa,<br>Outagamie |
|   | Rhizoctonia Root Rot                             | <i>Rhizoctonia sp.</i>                             | Outagamie                 |
|   | Stem Canker                                      | <i>Diaporthe sp.</i>                               | Grant                     |
|   | Stem Canker (Suspected)                          | <i>Diaporthe sp.</i>                               | Iowa                      |
| <b>FORAGE CROPS</b>   |  |  |                           |
| Alfalfa   | <a href="#">Aphanomyces Root Rot</a>             | <i>Aphanomyces euteiches</i>                       | Calumet                   |
| Unspecified Forage Grass                                      | Fungal Leaf Spot (Suspected)                     | Unspecified leaf spot fungus                       | Langlade                  |
| <b>FRUIT CROPS</b>  |  |  |                           |
| Apple   | <a href="#">Fire Blight</a> (Suspected)          | <i>Erwinia amylovora</i>                           | Brown, Vernon             |
|   | <a href="#">Gymnosporangium Rust</a>             | <i>Gymnosporangium sp.</i>                         | Milwaukee                 |
| Blueberry   | Overly High Soil pH (Suspected)                  | None   | Milwaukee                 |
|   | Transplant Shock (Suspected)                     | None   | Milwaukee                 |
| Cherry  | Cherry Leaf Spot (Suspected)                     | <i>Blumeriella jaapii</i>                          | Dane                      |
| Grape   | <a href="#">Anthracnose</a>                      | <i>Sphaceloma ampelinum</i>                        | Dodge                     |
|   | <a href="#">Anthracnose</a> (Suspected)          | <i>Sphaceloma ampelinum</i>                        | Douglas                   |
|   | Black Rot  | <i>Guignardia bidwellii</i>                        | Dodge                     |
| Raspberry   | Fertility Issues (Suspected)                     | None   | Sheboygan                 |
|   | Raspberry Leaf Spot (Suspected)                  | <i>Cylindrosporium rubi</i>                        | Sheboygan                 |



## Extension

UNIVERSITY OF WISCONSIN-MADISON

# Wisconsin Disease Almanac

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|---|---|--|---|
| Raspberry                               | Transplant Shock<br>(Suspected)   | None   | Waukesha  |
| Strawberry                              | Angular Leaf Spot<br>Common Leaf Spot<br>Phomopsis Leaf Blight<br>Root/Crown Rot  | <i>Xanthomonas fragariae</i><br><i>Mycosphaerella fragariae</i><br><i>Phomopsis obscurans</i><br><i>Rhizoctonia</i> sp.,<br><i>Pythium</i> sp. | Columbia<br>Columbia<br>Columbia<br>Columbia    |
| <b>HERBACEOUS<br/>ORNAMENTAL</b>        |   |  |   |
| Coneflower (Purple)                     | Cucumber Mosaic   | <i>Cucumber mosaic virus</i>   | Waukesha  |
| Gout Weed                               | Septoria Leaf Spot<br>(Suspected)   | <i>Septoria</i> sp.  | Kewaunee  |
| Milkweed (Common)                       | Phytoplasma Disease<br>(Suspected)  |  | Portage   |
| Peony (Shrub)                           | Gray Mold/Botrytis Blight<br>Powdery Mildew   | <i>Botrytis cinerea</i><br><i>Oidium</i> sp.   | Unknown (MO)<br>Dane                            |
| Sedum                                   | Bacterial Soft Rot<br>(Suspected)   | <i>Dickeya chrysanthemi</i>  | Unknown (MO)                                    |
| Zinnia                                  | Bacterial Leaf Spot<br>(Suspected)  | <i>Xanthomonas</i> sp.   | Unknown (MO)                                    |
| <b>NEEDED WOODY<br/>ORNAMENTALS</b>     |   |  |   |
| Fir (White)                             | Canker Disease<br>(Suspected)   | Unspecified canker fungus  | Dane  |
| Japanese Umbrella<br>Tree (Unspecified) | Canker Disease<br>(Suspected)   | Unspecified canker fungus  | Dane  |
| Larch (Unspecified)                     | Girdling Roots (Suspected)<br>Overly Deep Planting  | None<br>None   | Dane<br>Dane                                    |
| Spruce (Unspecified)                    | Canker Disease<br>(Suspected)<br>Herbicide Damage<br>Rhizosphaera Needle Cast<br>(Suspected)<br>Transplant Shock<br>(Suspected) | Unspecified canker fungus<br>None<br><i>Rhizosphaera kalkhoffii</i><br>None  | Waukesha<br>Freeborn (MN)<br>Vernon<br>Waukesha |
| Yew (Unspecified)                       | Cold Injury (Suspected)   | None   | Milwaukee                                       |



## Extension

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# Wisconsin Disease Almanac

| VEGETABLE CROPS    |  |   |  |
|--------------------|--|---|--|
| Cabbage            | Crown Gall (Suspected)   | <i>Agrobacterium tumefaciens</i>  | Marathon   |
| Cucumber           | Angular Leaf Spot (Suspected)<br>Anthracnose (Suspected)   | <i>Pseudomonas syringae</i> pv. <i>lachrymans</i><br><i>Colletotrichum orbiculare</i>   | Chippewa<br>Columbia, Washington, Waukesha   |
| Kohlrabi           | Crown Gall (Suspected)   | <i>Agrobacterium tumefaciens</i>  | Marathon   |
| Pepper             | Anthracnose (Suspected)  | <i>Colletotrichum</i> sp.   | Marathon   |
| Potato             | Black Leg<br><br>Early Blight (Suspected)  | <i>Pectobacterium atrosepticum</i> ,<br><i>Pectobacterium parmentieri</i> ,<br><i>Pectobacterium</i> spp.<br><br><i>Alternaria solani</i>   | Waushara<br><br>Portage  |
| Snapbean           | Anthracnose (Suspected)  | <i>Colletotrichum lindemuthianum</i>  | Iron   |
| Squash (Butternut) | Root Rot   | <i>Pythium</i> sp.,<br><i>Fusarium oxysporum</i>  | Adams  |
| Squash (Delitica)  | Virus Disease  | Unspecified virus   | Lafayette  |
| Tomato             | Bacterial Speck (Suspected)<br>Bacterial Spot (Suspected)<br>Crown Gall (Suspected)<br>Early Blight (Suspected)<br>Fertility Issues (Suspected)<br>Glyphosate Damage (Suspected)<br>Leaf Mold<br>Leaf Spot/Blight<br>Septoria Leaf Spot<br>Virus Disease (Suspected) | <i>Pseudomonas syringae</i> pv. <i>tomato</i><br><i>Xanthomonas</i> sp.<br><i>Agrobacterium tumefaciens</i><br><i>Alternaria solani</i><br>None<br>None<br><i>Passalora fulva</i><br>Unspecified leaf spot fungi/bacteria<br><i>Septoria lycopersici</i><br>Unspecified virus | Forest<br>Portage<br>Marathon<br>Racine<br>Brown<br>Brown<br>Rock<br>Brown<br>Dane, Milwaukee<br>Columbia, La Crosse |

# Wisconsin Disease Almanac



Extension

UNIVERSITY OF WISCONSIN-MADISON

| VEGETABLE CROPS (Continued) |   |      |               |
|-----------------------------|---|------|---------------|
| Vegetables (Miscellaneous)  | <a href="#">Herbicide Damage (Suspected)</a>      | None | Waukesha      |
|                             | <a href="#">Walnut Toxicity (Suspected)</a>       | None | Waukesha      |
| <b>MISCELLANEOUS</b>        |   |      |               |
| Slime Mold ID               | <a href="#">Dog Vomit Slime Mold (Fuligo sp.)</a> | None | Dane, Portage |

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".