

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

*Brian Hudelson, Sue Lueloff, John Lake and Ann Joy*

The PDDC receives samples of many plant and soil samples from around the state. The following diseases/disorders have been identified at the PDDC from January 1, 2018 through May 18, 2018.

PLANT/SAMPLE TYPE	DISEASE/DISORDER	PATHOGEN	COUNTY
<b>BROAD-LEAFED WOODY ORNAMENTALS</b>			
Boxwood	Volutella Blight/Canker <i>Winter Burn</i>	<i>Volutella</i> sp. None	Dane
Crabapple	Sphaeropsis Canker	<i>Sphaeropsis</i> sp.	Dane
Kentucky Coffeetree	Cytospora Canker	<i>Cytospora</i> sp.	Crawford
Magnolia	Phomopsis Canker	<i>Phomopsis</i> sp.	Dane
Oak (Red)	White Rot	Unidentified white rot fungus	Dane
Oak (Swamp White)	White Rot	Unidentified white rot fungus	Dane
Oak (White)	<i>Oak Wilt</i> White Rot	<i>Bretziella fagacearum</i> <i>Phellinus gilvus</i>	Dane Ozaukee
Oak (Unspecified)	White Rot	<i>Ganoderma applanatum</i>	Walworth
Poplar	Diplodia Canker	<i>Diplodia</i> sp.	Dane
Rhododendron	Pestalotiopsis Leaf Spot	<i>Pestalotiopsis</i> sp.	Columbia
<b>FRUIT CROPS</b>			
Apple	<i>Crown Gall</i> Cytospora Canker Phomopsis Canker Sooty Mold	<i>Agrobacterium tumefaciens</i> <i>Cytospora</i> sp. <i>Phomopsis</i> sp. Miscellaneous Sooty Mold Fungi	Columbia La Crosse Washington (MN) Washington (MN)
Cranberry	Phyllosticta Leaf Spot	<i>Phyllosticta</i> sp.	Dane

# Wisconsin Disease Almanac

<b>HERBACEOUS ORNAMENTALS</b>			
Begonia	Bacterial Blight Gray Mold/ Botrytis Blight Root Rot	<u>Xanthomonas</u> sp. <u>Botrytis cinerea</u> <u>Pythium</u> sp., <u>Rhizoctonia</u> sp.	Dane Clark Clark
Dahlia	Root Rot	<u>Pythium</u> sp.	Jefferson
Liriope	Root Rot	<u>Pythium</u> sp., <u>Fusarium</u> sp.	Dane
Periwinkle	Phomopsis Canker	<u>Phomopsis</u> sp.	Milwaukee
Verbena	<u>Verticillium</u> Wilt	<u>Verticillium</u> sp.	Jefferson
<b>NEEDED WOODY ORNAMENTALS</b>			
Arborvitae	Phyllosticta Needle Blight	<u>Phyllosticta</u> sp.	Crawford, Dane
Fir (Balsam)	<u>Phytophthora</u> Root Rot  <u>Rhizosphaera</u> Needle Cast	<u>Phytophthora gregata</u>  <u>Rhizosphaera</u> sp.	Chippewa, Jackson Chippewa
Fir (Fraser)	<u>Damping Off/Seedling</u> <u>Blight</u>  <u>Phytophthora</u> Root Rot	<u>Fusarium</u> sp.  <u>Phytophthora europaea</u>	Portage Jackson
Fir (Unspecified)	Root Rot Winter Burn	<u>Pythium</u> sp. None	Dane Dane
Juniper	Phomopsis Canker Winter Burn	<u>Phomopsis</u> sp. None	Dane Dane
Pine (Austrian)	<u>Diplodia</u> Shoot Blight and Canker  <u>Dothistroma</u> Needle Blight  Winter Burn	<u>Diplodia</u> sp.  <u>Dothistroma pini</u>  None	Outagamie  Outagamie, Walworth Outagamie
Pine (Scots)	Blue Stain  <u>Diplodia</u> Shoot Blight and Canker	<u>Leptographium</u> sp.  <u>Diplodia</u> sp.	Washington Washington
Pine (White)	Winter Burn	None	Sauk
Spruce (Alberta)	<u>Rhizosphaera</u> Needle Cast  Winter Burn	<u>Rhizosphaera kalkhoffii</u>  None	Dane Dane

# Wisconsin Disease Almanac

<b>NEELED WOODY ORNAMENTALS (Continued)</b>			
Spruce (Black Hills)	<a href="#">Rhizosphaera Needle Cast</a>	<a href="#">Rhizosphaera kalkhoffii</a>	Dane
	<a href="#">Stigmina Needle Cast</a>	<a href="#">Stigmina sp.</a>	Sauk
Spruce (Blue)	<a href="#">Rhizosphaera Needle Cast</a>	<a href="#">Rhizosphaera kalkhoffii</a>	Milwaukee
	<a href="#">Root Rot</a>	<a href="#">Pythium sp.</a>	Milwaukee
Spruce (Norway)	<a href="#">Phomopsis Canker</a>	<a href="#">Phomopsis sp.</a>	Waukesha
	<a href="#">Rhizosphaera Needle Cast</a>	<a href="#">Rhizosphaera kalkhoffii</a>	Dane, Sauk
	<a href="#">Stigmina Needle Cast</a>	<a href="#">Stigmina sp.</a>	Sauk
	<a href="#">Winter Burn</a>	None	Dane
Spruce (White)	<a href="#">Rhizosphaera Needle Cast</a>	<a href="#">Rhizosphaera kalkhoffii</a>	La Crosse
Spruce (Unspecified)	<a href="#">Cytospora Canker</a>	<a href="#">Cytospora kunzei</a>	Dane
	<a href="#">Rhizosphaera Needle Cast</a>	<a href="#">Rhizosphaera kalkhoffii</a>	Dane, Walworth
Tamarack	<a href="#">Phomopsis Canker</a>	<a href="#">Phomopsis sp.</a>	Crawford
Yew (Japanese)	<a href="#">Root Rot</a>	<a href="#">Pytophthora sp.</a> , <a href="#">Pythium sp.</a>	Milwaukee
<b>VEGETABLE CROPS</b>			
Cabbage (Napa)	<a href="#">Black Rot</a>	<a href="#">Xanthomonas campestris</a> <i>pv. campestris</i>	Brevard (FL)
Carrot	<a href="#">Dry Rot</a>	<a href="#">Fusarium sp.</a>	Rock
	<a href="#">Sour Rot</a>	<a href="#">Geotrichum candidum</a>	Rock
Garlic	<a href="#">Unidentified Viral Disease</a>	<a href="#">Unidentified potyvirus</a>	Waukesha
Lettuce	<a href="#">Powdery Mildew</a>	<a href="#">Oidium sp.</a>	Dodge
	<a href="#">Root Rot</a>	<a href="#">Fusarium sp.</a> , <a href="#">Pythium sp.</a>	Jackson, Brevard (FL)
	<a href="#">White Mold</a>	<a href="#">Sclerotinia sclerotiorum</a>	Brevard (FL)
Marjoram	<a href="#">Dodder</a>	<a href="#">Cuscuta sp.</a>	Jefferson
Onion	<a href="#">Blue Mold</a>	<a href="#">Penicillium sp.</a>	Marquette
Pepper	<a href="#">Unidentified Viral Disease</a>	<a href="#">Unidentified virus</a>	Jefferson, Ozaukee

VEGETABLE CROPS (Continued)			
Potato	<i>Bacterial Soft Rot</i> <i>Black Scurf</i> <i>Black Leg</i> <i>Fusarium Dry Rot</i> <i>Heat Necrosis</i> <i>Pink Eye</i> <i>Powdery Scab</i>	<u><i>Pectobacterium</i> sp.</u> <u><i>Rhizoctonia solani</i></u> <u><i>Dickeya dianthicola</i></u> <u><i>Fusarium</i> sp.</u> None None <u><i>Spongospora subterranea</i> f. sp. <i>subterranea</i></u>	Adams, Sauk Adams St. Johns (FL) Adams Barron Barron Bonneville (ID)
Spinach	<i>Cold Injury</i> <i>Heterosporium Leaf Spot</i>	None <u><i>Heterosporium</i> sp.</u>	Bayfield Bayfield
Tomato	<i>Bacterial Canker</i>	<u><i>Clavibacter michiganensis</i> subsp. <i>michiganensis</i></u>	Waushara

For additional information on plant diseases and their control, visit the PDDC website at [pddc.wisc.edu](http://pddc.wisc.edu). Follow the clinic on Facebook and Twitter @UWPDDC.