

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

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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 July 23, 2016 through July 29, 2016.

PLANT/SAMPLE TYPE	DISEASE/DISORDER	PATHOGEN	COUNTY
<b>BROAD-LEAFED WOODY ORNAMENTALS</b>			
Crabapple	Phomopsis Canker Sphaeropsis Canker	<i>Phomopsis</i> sp. <i>Sphaeropsis</i> sp.	Waukesha Milwaukee, Waukesha
Cotoneaster	<a href="#">Chlorosis</a>	None	Dane
Elm	<a href="#">Dutch Elm Disease</a>	<i>Ophiostoma</i> sp.	Jefferson
Hawthorn	<a href="#">Cedar-Apple Rust</a>	<i>Gymnosporangium</i> sp.	Trempealeau
Honeysuckle	Phomopsis Canker	<i>Phomopsis</i> sp.	St. Croix
Lilac	<a href="#">Root Rot</a>	<i>Pythium</i> sp.	Milwaukee
Maple ('Autumn Blaze')	<a href="#">Chlorosis</a> <a href="#">Purple-Bordered Leaf Spot</a>	None <i>Phyllosticta minima</i>	Waukesha Waukesha
Maple (Sugar)	<a href="#">Anthracnose</a> Steganosporium Canker	<i>Discula</i> sp. <i>Steganosporium</i> sp.	Dane Dane
Oak (Unspecified)	<a href="#">Oak Wilt</a>	<i>Ceratocystis fagacearum</i>	Green Lake, Rock
Pachysandra	<a href="#">Volutella Blight</a>	<i>Volutella pachysandricola</i>	Portage
Plum	<a href="#">Bacterial Canker</a>	<i>Pseudomonas syringae</i>	Portage
Virginia Creeper	<a href="#">Anthracnose</a>	<i>Gloeosporium</i> sp.	Manitowoc
<b>FIELD CROPS</b>			
Corn	Common Rust Eyespot Goss' Wilt Northern Corn Leaf Spot	<i>Puccinia sorghi</i> <i>Kabatiella zeae</i> <i>Clavibacter michiganensis</i> subsp. <i>nebraskensis</i> <i>Bipolaris zeicola</i>	Sauk Sauk Grant Sauk
Soybean	Herbicide Toxicity <a href="#">Phytophthora Root and Stem Rot</a>	None <i>Phytophthora</i> sp.	Lafayette Brown, Grant, Iowa, Rock
<b>FORAGE CROPS</b>			
Intermediate Wheatgrass	Crown Rust <a href="#">Ergot</a>	<i>Puccinia coronata</i> <i>Claviceps</i> sp.	Columbia Columbia
<b>FRUIT CROPS</b>			
Apple	<a href="#">Cedar-Apple Rust</a> <a href="#">Cork Spot</a>	<i>Gymnosporangium</i> sp. None	Dane, Eau Claire Oneida

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<b>FRUIT CROPS (Continued)</b>			
Blackberry	Botryosphaeria Cane Canker	<u>Botryosphaeria</u> sp.	Rock
	Septoria Leaf Spot	<u>Septoria rubi</u>	Taylor
Pear	Entomosporium Leaf Spot	<u>Entomosporium</u> sp.	Oneida
Raspberry	Anthracnose	<u>Sphaceloma necator</u>	Sheboygan
	Raspberry Leaf Spot	<u>Cylindrosporium rubi</u>	Price
	Verticillium Wilt	<u>Verticillium</u> sp.	Sheboygan
<b>HERBACEOUS ORNAMENTALS</b>			
Anise Hyssop	Root Rot	<u>Rhizoctonia</u> sp., <u>Fusarium</u> sp.	Eau Claire
Bee Balm	Powdery Mildew	<u>Oidium</u> sp.	Oneida
Black-Eyed Susan	Downy Mildew	<u>Plasmopara halstedii</u>	Vilas
Goat's Beard	Root Rot	<u>Pythium</u> sp., <u>Fusarium</u> sp.	Dane
Verbena	Rhizoctonia Aerial Blight	<u>Rhizoctonia solani</u>	Dane
<b>NEEDED WOODY ORNAMENTALS</b>			
Juniper	Sphaeropsis Canker	<u>Sphaeropsis</u> sp.	Wood
	Winter Burn	None	Wood
Pine (Red)	Diplodia Shoot Blight and Canker	<u>Diplodia</u> sp.	Lincoln
Spruce (Unspecified)	Phomopsis Canker	<u>Phomopsis</u> sp.	Waukesha
	Rhizosphaera Needle Cast	<u>Rhizosphaera kalkhoffii</u>	Chippewa, Waukesha
<b>VEGETABLE CROPS</b>			
Basil	Root Rot	<u>Fusarium</u> sp.	Eau Claire
Garlic	Garlic Mosaic	Unidentified potyvirus	Cook (IL)
Kale	Fusarium Yellow	<u>Fusarium oxysporum</u>	Vernon
Melon	Bacterial Wilt	<u>Erwinia tracheiphila</u>	Buffalo
Pea	Aphanomyces Root Rot	<u>Aphanomyces euteiches</u>	Baraga (MI)
Potato	Black Leg	<u>Dickeya</u> sp.	Langlade, Portage, Suffolk (NY)
	Rhizoctonia Canker	<u>Rhizoctonia solani</u>	Marathon
Snap Bean	Herbicide Damage	None	Jefferson
Tomato	Bacterial Canker	<u>Clavibacter michiganensis</u> subsp. <u>michiganensis</u>	Rock
	Bacterial Speck	<u>Pseudomonas syringae</u> pv. <u>tomato</u>	Portage
	Cucumber Mosaic	<u>Cucumber mosaic virus</u>	Jefferson
	Early Blight	<u>Alternaria solani</u>	Marquette
	Herbicide Damage	None	Jefferson
	Septoria Leaf Spot	<u>Septoria lycopersici</u>	Marquette, Portage
	Tobacco Mosaic	<u>Tobacco mosaic virus</u>	Jefferson

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<b>SPECIALTY CROPS</b>			
<i>Hop</i>	<i>Apple mosaic</i>	<u><i>Apple mosaic virus</i></u>	<i>Dane, Champaign (IL)</i>
	<i>Carlavirus</i>	<i>Unidentified carlavirus</i>	<i>Champaign (IL)</i>
	<i>Fusarium Canker/Wilt</i>	<u><i>Fusarium sp.</i></u>	<i>Dane</i>
<b>SOIL</b>			
<i>Alfalfa Soil</i>	<i>Aphanomyces Seedling Blight</i>	<u><i>Aphanomyces euteiches</i></u> <i>race 2</i>	<i>Buffalo</i>

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