

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

Brian Hudelson, Ann Joy, Erin DeWinter and Joyce Wu

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 August 17, 2013 through August 23, 2013.

PLANT/SAMPLE TYPE	DISEASE/DISORDER	PATHOGEN	COUNTY
BROAD-LEAFED WOODY ORNAMENTALS			
Catalpa	Verticillium Wilt	<u>Verticillium sp.</u>	Dane
Elm	Anthracnose	<u>Gloeosporium sp.</u>	Dane
Hickory	Hickory Bunch	Hickory bunch phytoplasma	Dane
Lilac (Japanese Tree)	Verticillium Wilt	<u>Verticillium sp.</u>	Milwaukee
Lilac (Unspecified)	Root/Crown Rot	<u>Pythium sp.</u>	La Crosse
Oak (Bur)	Oak Wilt	<u>Ceratocystis fagacearum</u>	Dane
	Tubakia Leaf Spot	<u>Tubakia sp.</u>	Dane
Oak (Red)	Oak Wilt	<u>Ceratocystis fagacearum</u>	Rock
Oak (White)	Tubakia Leaf Spot	<u>Tubakia sp.</u>	Rock
Oak (Unspecified)	Anthracnose	<u>Discula sp.</u>	La Crosse
	Chlorosis	None	Dane
	Oak Wilt	<u>Ceratocystis fagacearum</u>	Marathon, Richland
	Septoria Leaf Spot	<u>Septoria sp.</u>	La Crosse
	Tubakia Leaf Spot	<u>Tubakia sp.</u>	Dane, La Crosse
Pachysandra	Volutella Blight	<u>Volutella pachysandricola</u>	Waukesha
Redbud	Xanthomonas Leaf Spot	<u>Xanthomonas sp.</u>	Dane
Snowbush	Verticillium Wilt	<u>Verticillium sp.</u>	Walworth
FIELD CROPS			
Corn	Common Rust	<u>Puccinia sorghi</u>	Dane
Soybean	Dicamba Injury	None	Waupaca
	Root Rot	<u>Pythium sp.</u> , <u>Fusarium spp.</u>	Dodge, Fond du Lac, Lafayette, Marathon, St. Croix
	Sudden Death Syndrome	<u>Fusarium virguliforme</u>	Dodge
	Target Spot	<u>Corynespora cassiicola</u>	Fond du Lac

Wisconsin Disease Almanac



FORAGE CROPS			
Alfalfa	Aphanomyces Root Rot	<u><i>Aphanomyces euteiches</i></u>	Dane
	Crown Rot	<u><i>Fusarium</i> spp.</u>	Dane
	Phytophthora Root Rot	<u><i>Phytophthora</i> sp.</u>	Dane
	Pythium Root Rot	<u><i>Pythium</i> sp.</u>	Dane
FRUIT CROPS			
Apple	Root/Crown Rot	<u><i>Fusarium</i> sp.</u>	Waukesha
	Sphaeropsis Canker	<u><i>Sphaeropsis</i> sp.</u>	Waukesha
Cherry	Cherry Leaf Spot	<u><i>Blumeriella jaapii</i></u>	Shawano
	Powdery Mildew	<u><i>Podosphaera clandestina</i></u>	Shawano
Raspberry	Root/Crown Rot	<u><i>Phytophthora</i> sp.</u>	Dane
HERBACEOUS ORNAMENTALS			
Bastard Balm	Pseudomonas Leaf Spot	<u><i>Pseudomonas</i> sp.</u>	McHenry (IL)
Impatiens	Downy Mildew	<u><i>Plasmopara obducens</i></u>	Dane, Oneida
Iris	Heterosporium Leaf Spot	<u><i>Heterosporium</i> sp.</u>	Racine
	Rhizome Rot	<u><i>Fusarium</i> sp.</u>	Racine
NEEDED WOODY ORNAMENTALS			
Spruce (Unspecified)	Cytospora Canker	<u><i>Leucocytospora kunzei</i></u>	Dane
	Root Rot	<u><i>Pythium</i> sp., <i>Fusarium</i> sp., <i>Cylindrocarpon</i> sp.</u>	Sheboygan
	Sirococcus Shoot Blight	<u><i>Sirococcus</i> sp.</u>	Sheboygan
	Spruce Needle Drop	<u><i>Setomelanomma holmii</i></u>	Dane
VEGETABLES			
Sweet Corn	Eyespot	<u><i>Aureobasidium zeae</i></u>	Green Lake
Tomato	Fusarium Wilt	<u><i>Fusarium oxysporum</i></u>	Will (IL)
	Late Blight	<u><i>Phytophthora infestans</i></u>	Sauk

For additional information on plant diseases and their control, visit the PDDC website at pddc.wisc.edu.