Cornell University Plant Disease Diagnostic Clinic

Diagnostic Review Report

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| | Cornell | University Plant Disease Diagnostic Clinic | Diagnostic Review Report | | | | |
|-------------------|----------------------|---|--------------------------|--------------------------|--------------|-----------|--------------|
| Host | | Diagnosis | | Confidence (to genus) | | | |
| Scientific Name | Common Name | This section reports samples from all statuses. Each sample may have one or more diagnosis or identification; hence this section does not represent the total number of samples | | Confirmed | Not Detected | Suspected | Inconclusive |
| | | Time Period Report for July 10 rd through July 1 | 1.6 th 2018 | | | | |
| Abies balsamea | Balsam Fir | Moisture stress (Abiotic disorder) | | 0 | 0 | 1 | 0 |
| Abies balsamea | Balsam Fir | No pathogen found (Identification Analysis) | | 1 | 0 | 0 | 0 |
| Abies concolor | White Fir | Additional sample requested (Identification Analysis) | | 1 | 0 | 0 | 0 |
| Abies concolor | White Fir | Needle cast (Unidentified Agent) | | 0 | 1 | 0 | 0 |
| Abies concolor | White Fir | Pine weevils (Family Curculionidae) | | 0 | 0 | 1 | 0 |
| Agrostis sp./spp. | Bentgrass | Anthracnose (Colletotrichum sp./spp.) | | 1 | 0 | 0 | 0 |
| Agrostis sp./spp. | Bentgrass | Heat stress (Abiotic disorder) | | 0 | 0 | 1 | 0 |
| Agrostis sp./spp. | Bentgrass | Pythium root and/or crown rot (<i>Pythium</i> sp./spp.) | | 0 | 0 | 1 | 0 |
| Avena sativa | Oats | Crown rust; Rust (<i>Puccinia coronata</i>) | | 2 | 0 | 0 | 0 |
| Cornus florida | Flowering Dogwood | Brown felt (Septobasidium sp./spp.) | | 1 | 0 | 0 | 0 |

Confirmed - The diagnosis was derived using approved molecular technologies, serological testing and/or morphological observations which allowed for the confirmation of the organism to Genus, species and/or race or pathovar level.

Tomato spotted wilt (TSWV) (Tospovirus Tomato Spotted Wilt Virus)

Rhizoctonia root rot (*Rhizoctonia* sp./spp.)

Environmental stress; Problem (Abiotic disorder)

Mucor fruit rot (*Mucor* sp./spp.)

Dahlia sp./spp.

Lilium sp./spp.

Pinus resinosa

Malus domestica

Dahlia

Domestic Apple

Red Pine

Lily

Not Detected -The sample was submitted as a suspect sample or as part of survey project. The pathogen was not detected on this sample at this time using approved molecular technologies, serological testing and/or morphological observations.

Suspected - Diagnostic symptoms of the pathogen were present but evidence of the pathogen could not be confirmed at this time. This term may also be used at the species level if confirmations cannot be made. This term may also be used with abiotic entries.

Inconclusive - Although a suitable sample was received, a reliable result could not be achieved. For example, the test kit may have not worked correctly and there was no sample material remaining to perform the test again.

Or, no DNA was detected in a PCR analysis. Inhibitors may have been present in the sample. A second attempt may have been made with the same results. The only conclusion is to label the sample as inconclusive.

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| Pinus resinosa | Red Pine | Insect damage (Unidentified Insect) | | 1 | 0 | 0 | 0 |
| Pinus resinosa | Red Pine | Non-pathogenic; Saprophyte (Secondary Agents; Saprophytes; Unspecif.) | | 1 | 0 | 0 | 0 |
| Pinus strobus | Eastern White pine | Blue stain (<i>Ceratocystis</i> sp./spp.) | | 1 | 0 | 0 | 0 |
| Pyrus sp./spp. | Pear (ornamental) | Fire blight (<i>Erwinia amylovora</i>) | | 0 | 1 | 0 | 0 |
| Pyrus sp./spp. | Pear (ornamental) | Non-pathogenic; Saprophyte (Secondary Agents; Saprophytes; Unspecif.) | | 1 | 0 | 0 | 0 |
| Pyrus sp./spp. | Pear (ornamental) | Unknown abiotic disorder (Abiotic disorder) | | 0 | 0 | 1 | 0 |

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