Cornell University Plant Disease Diagnostic Clinic

Unknown abiotic disorder (Abiotic disorder)

Volutella leaf blight; Dieback (Volutella sp./spp.)

Buxus sp./spp.

Buxus sp./spp.

Boxwood

Boxwood

Diagnostic Review Report

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|-------------------------|---|---|--------------------------|--------------------------|--------------|-----------|--------------|
| 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 23 rd through July | | | | | |
| Acer saccharum | Sugar Maple Additional sample requested (Identification Analysis) | | 1 | 0 | 0 | 0 | |
| Allium schoenoprasum | Chives | Algae (General) | | 1 | 0 | 0 | 0 |
| Allium schoenoprasum | Chives | Bacterial contamination (Unidentified Bacteria) | | 1 | 0 | 0 | 0 |
| Allium schoenoprasum | Chives | Fungus gnats (Mycetophilidae fam.) | | 0 | 0 | 1 | 0 |
| Allium schoenoprasum | Chives | Onion smudge (Colletotrichum circinans) | | 0 | 0 | 1 | 0 |
| Asclepias syriaca | Common Milkweed | Chemical; Environmental injury (Abiotic disorder) | | 0 | 0 | 1 | 0 |
| Asclepias syriaca | Common Milkweed | Root rot (<i>Thielaviopsis</i> sp./spp.) | | 1 | 0 | 0 | 0 |
| Buxus sp./spp. | Boxwood | Boxwood blight; Leaf and stem blight (Calonectria pseudonaviculata) | | 0 | 2 | 0 | 0 |
| Buxus sp./spp. | Boxwood | Stem canker (Unidentified Canker) | | 0 | 0 | 1 | 0 |
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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.

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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Diagnostic Review Report

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| Catalpa speciosa | Northern Catalpa | Verticillium wilt (<i>Verticillium</i> sp./spp.) | | 0 | 1 | 0 | 0 |
| Catalpa speciosa | Northern Catalpa | Environmental stress; Problem (Abiotic disorder) | | 0 | 0 | 1 | 0 |
| Fagus sp./spp. | Beech (soil) | Leaf gall nematode (<i>Litylenchus crenatae</i>) | | 0 | 5 | 0 | 0 |
| Malus sp./spp. | Crabapple | Apple scab (Venturia inaequalis) | | 1 | 0 | 0 | 0 |
| Picea pungens | Blue spruce | Additional sample requested (Identification Analysis) | | 1 | 0 | 0 | 0 |
| Picea pungens | Blue spruce | Root damage (Abiotic disorder) | | 0 | 0 | 1 | 0 |
| Picea pungens | Blue spruce | Cytospora canker; Dieback (<i>Cytospora</i> sp./spp.) | | 0 | 0 | 1 | 0 |
| Picea pungens | Blue spruce | Stigmina needle blight (<i>Stigmina lautii</i>) | | 1 | 0 | 0 | 0 |
| Picea pungens | Blue spruce | Unspecified pathology (<i>Rhizosphaera</i> sp./spp.) | | 1 | 0 | 0 | 0 |
| Pyrus communis | Pear | Additional sample requested (Identification Analysis) | | 1 | 0 | 0 | 0 |
| Pyrus communis | Pear | Insect damage (Unidentified Insect) | | 1 | 0 | 0 | 0 |
| Pyrus communis | Pear | No pathogen found (Identification Analysis) | | 1 | 0 | 0 | 0 |
| Pyrus communis | Pear | Referred to specialist (Identification Analysis) | | 1 | 0 | 0 | 0 |
| Tsuga sp./spp. | Hemlock | Additional sample requested (Identification Analysis) | | 1 | 0 | 0 | 0 |
| Tsuga sp./spp. | Hemlock | Non-pathogenic; Saprophyte (Secondary Agents; Saprophytes; Unspecif.) | | 1 | 0 | 0 | 0 |

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| Tsuga sp./spp. | Hemlock | Scale insects (Order Homoptera) | | 1 | 0 | 0 | 0 |
| Ulmus americana | American Elm | Dutch elm disease (<i>Ophiostoma</i> sp./spp.) | | 3 | 0 | 0 | 0 |
| Vitis sp./spp. | Grape | Grape anthracnose; Birds-eye rot (Elsinoe ampelina) | | 1 | 0 | 0 | 0 |

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