esculentum

#### **Diagnostic Review Report**

|                   | Cornell        | University Plant Disease Diagnostic Clinic  | Diagnostic Review Report |                          |              |           |              |  |
|-------------------|----------------|---|--------------------------|--------------------------|--------------|-----------|--------------|--|
| Host              |                | Diagnosis   |                          | Confidence<br>(to genus) |              |           |              |  |
| Scientific Name   | Common<br>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 June 21st through June 2   | 7 <sup>th</sup> , 2016   |                          |              |           |              |  |
| Abelia sp./spp.   | Abelia         | Insect Damage (Unidentified Insect)   |                          | 1                        | 0            | 0         | 0            |  |
| Abelia sp./spp.   | Abelia         | No Pathogen Found (Identification Analysis)   |                          | 1                        | 0            | 0         | 0            |  |
| Abies balsamea    | Balsam Fir     | Balsam Twig Aphid ( <i>Mindarus pinicola (abietinus</i> ))  |                          | 1                        | 0            | 0         | 0            |  |
| Abies balsamea    | Balsam Fir     | Rhizosphaera Needle Cast ( <i>Rhizosphaera pini</i> )   |                          | 1                        | 0            | 0         | 0            |  |
| Abies balsamea    | Balsam Fir     | Winter Injury (Abiotic disorder)  |                          | 0                        | 0            | 1         | 0            |  |
| Berberis sp./spp. | Barberry       | Bacterial Leaf Spot (Pseudomonas syringae)  |                          | 1                        | 0            | 0         | 0            |  |
| Berberis sp./spp. | Barberry       | Insect Damage (Unidentified Insect)   |                          | 0                        | 0            | 1         | 0            |  |
| Berberis sp./spp. | Barberry       | Mechanical Damage (Abiotic disorder)  |                          | 0                        | 0            | 1         | 0            |  |
| Berberis sp./spp. | Barberry       | Phyllosticta Leaf Spot ( <i>Phyllosticta</i> sp./spp.)  |                          | 1                        | 0            | 0         | 0            |  |
| Cercis canadensis | Eastern Redbud | Crown and Root Rot ( <i>Phytophthora</i> sp./spp.)  |                          | 0                        | 1            | 0         | 0            |  |
| Cercis canadensis | Eastern Redbud | d Unknown Abiotic Disorder (Abiotic disorder)   |                          | 0                        | 0            | 1         | 0            |  |
| Fragaria sp./spp. | Strawberry     | Stubby-root Nematodes (Trichodorids) ( <i>Trichodorus</i> sp./spp.)   |                          | 1                        | 0            | 0         | 0            |  |
| Lycopersicon      | Tomato         | Stem Canker (Unidentified Canker)   |                          | 1                        | 0            | 0         | 0            |  |

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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.

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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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| Lycopersicon Tomato Stem Rot (Botrytis sp./spp.) esculentum |                     |   | 1 | 0                        | 0            | 0         |              |  |
| Ocimum basilicum  | Sweet Basil         | Downy Mildew (Peronospora belbahrii)  |   | 1                        | 0            | 0         | 0            |  |
| Ocimum basilicum  | Sweet Basil         | Not Pathogen; Saprophyte (Secondary Agents; Saprophytes; Unspecif.)   |   | 1                        | 0            | 0         | 0            |  |
| Ocimum basilicum  | Sweet Basil         | Sunscald (Abiotic disorder)   |   | 0                        | 0            | 3         | 0            |  |
| Pinus strobus   | Eastern White pine  | Not Pathogen; Saprophyte (Secondary Agents; Saprophytes; Unspecif.)   |   | 1                        | 0            | 0         | 0            |  |
| Pinus strobus   | Eastern White pine  | Pine Bark Adelgid ( <i>Pineus strobi</i> )  |   | 0                        | 0            | 3         | 0            |  |
| Pinus strobus   | Eastern White pine  | Pine Tube Moth ( <i>Argyrotaenia pinatubana</i> )   |   | 0                        | 0            | 1         | 0            |  |
| Pinus strobus   | Eastern White pine  | Root Damage (Abiotic disorder)  |   | 0                        | 0            | 2         | 0            |  |
| Platanus x<br>acerifolia                                    | London<br>Planetree | No Pathogen Found (Identification Analysis)   |   | 1                        | 0            | 0         | 0            |  |
| Platanus x<br>acerifolia                                    | London<br>Planetree | Root Damage (Abiotic disorder)  |   | 0                        | 0            | 1         | 0            |  |

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| Prunus sp./spp.       | Stone Fruits            | Dagger Nematodes (Xiphinema sp./spp.)   | 1         | 0                        | 0         | 0            |  |  |
| Prunus sp./spp.       | Stone Fruits            | Foliar Nematodes (Aphelenchoides sp./spp.)  | 4         | 0                        | 0         | 0            |  |  |
| Prunus sp./spp.       | Stone Fruits            | Lesion Nematodes ( <i>Pratylenchus</i> sp./spp.)  | 4         | 0                        | 0         | 0            |  |  |
| Prunus sp./spp.       | Stone Fruits            | Pin Nematodes ( <i>Paratylenchus</i> sp./spp.)  | 2         | 0                        | 0         | 0            |  |  |
| Prunus sp./spp.       | Stone Fruits            | Ring Nematodes ( <i>Criconemella</i> sp./spp.)  | 1         | 0                        | 0         | 0            |  |  |
| Quercus<br>macrocarpa | Bur Oak                 | Phytophthora Canker ( <i>Phytophthora</i> sp./spp.)   | 1         | 0                        | 0         | 0            |  |  |
| Quercus phellos       | Willow Oak              | Crown and Root Rot ( <i>Phytophthora</i> sp./spp.)  | 1         | 0                        | 0         | 0            |  |  |
| Quercus sp./spp.      | Oak                     | Leaf Spot ( <i>Tubakia dryina</i> )   | 1         | 0                        | 0         | 0            |  |  |
| Quercus velutina      | Black Oak               | Insect Damage (Unidentified Insect)   | 1         | 0                        | 0         | 0            |  |  |
| Quercus velutina      | Black Oak               | Not Pathogen; Saprophyte (Secondary Agents; Saprophytes; Unspecif.)   | 1         | 0                        | 0         | 0            |  |  |
| Rhododendron sp./spp. | Azalea;<br>Rhododendron | Armillaria Root Rot ( <i>Armillaria</i> sp./spp.)   | 1         | 0                        | 0         | 0            |  |  |
| Rhododendron sp./spp. | Azalea;<br>Rhododendron | Crown and Root Rot ( <i>Phytophthora</i> sp./spp.)  | 0         | 1                        | 0         | 0            |  |  |
| Ribes sp./spp.        | Currant                 | Foliar Nematodes (Aphelenchoides sp./spp.)  | 1         | 0                        | 0         | 0            |  |  |

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| Ribes sp./spp.  | Currant        | Pin Nematodes ( <i>Paratylenchus</i> sp./spp.)  |  | 1                        | 0            | 0         | 0            |  |
| Ulmus americana | American Elm   | Dutch Elm Disease ( <i>Ophiostoma</i> sp./spp.)   |  | 1                        | 1            | 0         | 0            |  |
| Ulmus americana | American Elm   | Root Damage (Abiotic disorder)  |  | 0                        | 0            | 1         | 0            |  |
| Ulmus americana | American Elm   | Scale Insects (Order homoptera)   |  | 1                        | 0            | 0         | 0            |  |

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