## **Cornell University Plant Disease Diagnostic Clinic** Diagnostic Review Report

| Host            |                | Diagnosis  |           | Confid<br>(to ge | <b>dence</b><br>enus) | !            |
|-----------------|----------------|--|-----------|------------------|-----------------------|--------------|
| Scientific Name | Common<br>Name | This section reports samples from all statuses. Each sample may have one or more diagnosis or identification;<br>hence this section does not represent the total number of samples | Confirmed | Not Detected     | Suspected             | Inconclusive |

|                           | Time Period Report for February 2 <sup>nd</sup> through February 15 <sup>th</sup> , 2016 |   |   |   |   |   |  |  |  |
|---------------------------|--|---|---|---|---|---|--|--|--|
| Begonia x hiemalis        | Rieger Begonia;<br>elatior begoni  | Additional Sample Requested (Identification Analysis)               | 2 | 0 | 0 | 0 |  |  |  |
| Begonia x hiemalis        | Rieger Begonia;<br>elatior begoni  | Impatiens Necrotic Spot (Impatiens Necrotic Spot Virus (INSV))      | 0 | 2 | 0 | 0 |  |  |  |
| Buxus sp./spp.            | Boxwood  | Boxwood Blight; Leaf and Stem Blight (Calonectria pseudonaviculata) | 0 | 3 | 0 | 0 |  |  |  |
| Buxus sp./spp.            | Boxwood  | Boxwood Volutella Blight; Canker (Volutella buxi)                   | 2 | 0 | 0 | 0 |  |  |  |
| Buxus sp./spp.            | Boxwood  | Colletotrichum Stem Decay (Colletotrichum sp./spp.)                 | 2 | 0 | 0 | 0 |  |  |  |
| Buxus sp./spp.            | Boxwood  | Fusarium Dieback ( <i>Fusarium</i> sp./spp.)                        | 1 | 0 | 0 | 0 |  |  |  |
| Buxus sp./spp.            | Boxwood  | Macrophoma Blight; Dieback ( <i>Macrophoma</i> sp./spp.)            | 1 | 0 | 0 | 0 |  |  |  |
| Moss                      | Moss<br>(Unidentified<br>Moss)   | Chemical Injury (Abiotic disorder)                                  | 0 | 0 | 1 | 0 |  |  |  |
| Moss                      | Moss<br>(Unidentified<br>Moss)   | Cup Lichen ( <i>Cladonia</i> sp./spp.)                              | 1 | 0 | 0 | 0 |  |  |  |
| Pelargonium x<br>hortorum | House<br>Geranium  | Bacterial Fasciation (Rhodococcus fascians)                         | 0 | 0 | 1 | 0 |  |  |  |
| Pinus taeda               | Loblolly Pine  | Pine Beetles (Family Scolytidae)                                    | 0 | 0 | 1 | 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.

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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| Host |                 | t              | Diagnosis  |           | <b>Confidence</b><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;<br>hence this section does not represent the total number of samples | Confirmed | Not Detected                    | Suspected | Inconclusive |

| Pinus taeda          | Loblolly Pine | Pitch Canker (Gibberella (Fusarium) sp./spp.)   | 0 | 0 | 1 | 0 |
|----------------------|---------------|---|---|---|---|---|
| Pinus taeda          | Loblolly Pine | Weevils (Family Curculionidae)                  | 1 | 0 | 0 | 0 |
| Solanum<br>tuberosum | Potato        | Bacterial Soft Rot (Pectobacterium carotovorum) | 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.
- 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.