# **Cornell University Plant Disease Diagnostic Clinic**

Wound canker (Abiotic disorder)

Moisture stress (Abiotic disorder)

Insufficient sample (Identification Analysis)

Armillaria root rot; Butt rot (Armillaria sp./spp.)

Boxwood blight; Leaf and stem blight (Calonectria pseudonaviculata)

Buxus sp./spp.

Buxus sp./spp.

Buxus sp./spp.

Cotinus coggygria

Forsythia sp./spp.

Boxwood

Boxwood

Boxwood

Common

Forsythia;

Golden bells

Smoke tree

#### **Diagnostic Review Report**

Confidence

0 0 1

1

0 0

0 0

0

0

0

Host		Diagnosis		(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 24 <sup>th</sup> through July 30 <sup>th</sup> 2018					
Abies koreana	Korean Fir	Crown rot; Root rot; Stem rot ( <i>Phytophthora</i> sp./spp.)	0	1	0	0	
Abies koreana	Korean Fir	High soil moisture (Abiotic disorder)	0	0	1	0	
Abies koreana	Korean Fir	Phomopsis dieback; Tip blight; Canker ( <i>Phomopsis</i> sp./spp.)	1	0	0	0	
Betula nigra	River Birch	Chemical; Environmental injury (Abiotic disorder)	0	0	1	0	
Betula nigra	River Birch	No pathogen found (Identification Analysis)	1	0	0	0	
Buxus sp./spp.	Boxwood	Boxwood leafminer (Monarthropalpus flavus (buxi))	1	0	0	0	
Buxus sp./spp.	Boxwood	Boxwood psyllid (Cacopsylla buxi)	1	0	0	0	
Buxus sp./spp.	Boxwood	Phytophthora canker ( <i>Phytophthora</i> sp./spp.)	0	1	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.

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.

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

## **Diagnostic Review Report**

Host		Diagnosis		Confidence (to genus)				
Scientific Name	tific 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		
Fragaria x ananassa  Commercial Strawberry; garden strawberry  Red stele disease (Phytophthora fragariae)			0	0	1	0		
Fragaria x ananassa	Commercial Strawberry; garden strawberry	Strawberry black root rot complex (Various Fungi)	1	0	0	0		
Juniperus sp./spp.	Juniper	Phomopsis tip blight; Needle blight ( <i>Phomopsis juniperovora</i> )		0	0	0		
Ligustrum ovalifolium	California Privet	Insufficient sample (Identification Analysis)		0	0	0		
Lycopersicon esculentum	Tomato	Cucumber mosaic (CMV) (Cucumovirus Cucumber Mosaic Virus)	1	0	0	0		
Lycopersicon esculentum	Tomato	Physiological leaf roll (Abiotic disorder)	0	0	1	0		
Lycopersicon esculentum	Tomato	Tobacco mosaic (TMV) (Tobamovirus Tobacco Mosaic Virus)	1	0	0	0		
Picea pungens	Blue Spruce	Cytospora canker; Dieback (Cytospora sp./spp.)	0	1	0	0		
Picea pungens	Blue Spruce	Deer damage (Abiotic disorder)	0	0	1	0		
Pinus resinosa	Red Pine	Insect damage (Unidentified Insect)	0	0	1	0		

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## Cornell University Plant Disease Diagnostic Clinic

**Diagnostic Review Report** 

Host		Diagnosis Diagnostic Circle Diagnostic Review Report		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	
Pinus resinosa         Red Pine         Non-pathogenic; Saprophyte (Secondary Agents; Saprophytes; Unspecif.)					0	0	0	
Pinus resinosa	Red Pine	Sooty mold (Unidentified Fungus)		1	0	0	0	
Pinus strobus	Eastern White pine	Brown spot; Needle blight ( <i>Mycosphaerella dearnessii</i> )		3	0	0	0	
Pinus strobus	Eastern White pine	Canavirgella needle cast (Lophophacidium dooksii)		2	0	1	0	
Pinus strobus	Eastern White pine	Unspecified pathology (Septorioides strobii)		1	0	0	0	
Rhus aromatica	Fragrant Sumac	Chemical; Environmental injury (Abiotic disorder)		0	0	1	0	
Rhus aromatica	Fragrant Sumac	Non-pathogenic; Saprophyte (Secondary Agents; Saprophytes; Unspecif.)		1	0	0	0	
Rosa sp./ spp.	Rose	Rose midge (Dasineura rhodophaga)		0	0	1	0	
Rosa sp./ spp.	Rose	Unspecified pathology (Botrytis sp./spp.)		1	0	0	0	
Solanum tuberosum	Potato	Additional sample requested (Identification Analysis)		1	0	0	0	
Solanum tuberosum	Potato	Potato black leg; Stem rot ( <i>Dickeya</i> sp./spp.)			1	0	0	
Syringa vulgaris	Common Lilac	Unidentified virus (Unidentified Virus)			0	1	0	
Ulmus americana	American Elm	Dutch elm disease ( <i>Ophiostoma</i> sp./spp.)		1	0	0	0	

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