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

Boxwood Volutella Blight; Canker (Volutella buxi)

Crown Rot; Root Rot; Stem Rot (*Phytophthora* sp./spp.)

Root Damage (Abiotic disorder)

Boxwood

Korean Boxwood

Korean

Boxwood

Boxwood

Buxus sinica

Buxus sinica

Buxus sp./spp.

#### **Diagnostic Review Report**

0 0

0

1

1

0

0

0

Host		Diagnosis		Confide (to genu		_
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 August 2 <sup>nd</sup> through August 8 <sup>th</sup> , 2016				
Abies balsamea phanerolepsis	palsamea Canaan Fir Moisture Stress (Abiotic disorder)		0	0	1	0
Abies balsamea phanerolepsis	Canaan Fir	Nutrient Imbalance (Abiotic disorder)	0	0	1	0
Abies balsamea phanerolepsis	Canaan Fir	Spruce Spider Mite (Oligonychus ununguis)	1	0	0	0
Abies concolor	White Fir	Not Pathogen; Saprophyte (Secondary Agents; Saprophytes; Unspecif.)	1	0	0	0
Abies concolor	White Fir	Wood Boring Insect Damage (Unidentified Wood Boring Insect)	0	0	1	0
Abies fraseri	Fraser Fir	Moisture Stress (Abiotic disorder)	0	0	2	0
Abies fraseri	Fraser Fir	Nutrient Imbalance (Abiotic disorder)	0	0	2	0
Buxus sinica	Korean	Additional Sample Requested (Identification Analysis)	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.

### **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	
Buxus sp./spp. Boxwood Wood Boring Insect Damage (Unidentified Wood Boring Insect)					0	1	0	
Buxus sp./spp.	Boxwood	Wood Decay Fungus (Unidentified Fungus)		1	0	0	0	
Fragaria sp./spp.	Strawberry	Not Pathogen; Saprophyte (Secondary Agents; Saprophytes; Unspecif.)		1	0	0	0	
Fragaria sp./spp.	Strawberry	Unknown Abiotic Disorder (Abiotic disorder)		0	0	3	0	
Fragaria sp./spp.	Hydrangea	Anthracnose; Colletotrichum Leaf Spot (Colletotrichum sp./spp.)		1	0	0	0	
<i>Hydrangea</i> sp./spp.	Hydrangea	Mealybugs (Family Pseudococcidae)		0	0	1	0	
Itea virginica	Virginia Willow	No Pathogen Found (Identification Analysis)		1	0	0	0	
Itea virginica	Virginia Willow	Unknown Abiotic Disorder (Abiotic disorder)		0	0	1	0	
Lavandula sp./spp.	Lavender	Phytophthora Dieback; Blight ( <i>Phytophthora</i> sp./spp.)		1	0	0	0	
Lavandula sp./spp.	Lavender	Stem and Crown Rot ( <i>Phytophthora nicotianae</i> )		0	0	1	0	
Lycopersicon esculentum	Tomato	Pith Necrosis (Pseudomonas corrugata)		1	0	0	0	
Malus sp./spp.	Crabapple	Fire Blight ( <i>Erwinia amylovora</i> )		1	0	0	0	
Poa pratensis	Bluegrass; Kentucky bluegrass	Anthracnose (Colletotrichum cereale)		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.

### Cornell University Plant Disease Diagnostic Clinic

### **Diagnostic Review Report**

		The crossey is take Discuse Diagnostic Chine	Biagnostic neview neport		Confi	dence	e
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
Poa pratensis	Bluegrass; Kentucky bluegrass	Mealybugs (Family Pseudococcidae)		0	0	1	0
Prunus laurocerasus	Cherry-laurel	Additional Sample Requested (Identification Analysis)		1	0	0	0
Prunus laurocerasus	Cherry-laurel	Insufficient Sample (Identification Analysis)		1	0	0	0
Turfgrass mixed species	Turfgrass	Black Layer of Turfgrass (Abiotic disorder)		0	0	1	0
Turfgrass mixed species	Turfgrass	Curvularia Blight; Leaf Spot ( <i>Curvularia</i> sp./spp.)		2	0	0	0
Turfgrass mixed species	Turfgrass	Dense Thatch Layer (Abiotic disorder)		1	0	0	0
Turfgrass mixed species	Turfgrass	Magnaporthe Summer Patch (Magnaporthiopsis poae)		1	0	0	0
Vitis vinifera	European Grape	Environmental Stress; Problem (Abiotic disorder)		0	0	1	0
Vitis vinifera	European Grape	Moisture Stress (Abiotic disorder)		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.