### Cornell University Plant Disease Diagnostic Clinic

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

angustifolia

Lavandula

angustifolia

Lavender

English

Lavender

#### **Diagnostic Review Report**

0 2

0

	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
		Time Period Report for June 11 <sup>th</sup> through June 1	17 <sup>th</sup> 2019				
Buxus sp./spp.	Boxwood	Boxwood blight; Leaf and stem blight (Calonectria pseudonaviculata)		1	1	0	0
Buxus sp./spp.	Boxwood	Unspecified pathology (Fusarium sp./spp.)		1	0	0	0
Buxus sp./spp.	Boxwood	Volutella leaf blight; Dieback ( <i>Volutella</i> sp./spp.)		1	0	0	0
Fraxinus americana	White Ash	Armillaria root rot ( <i>Armillaria</i> sp./spp.)		0	1	0	0
Fraxinus americana	White Ash	High soil moisture (Abiotic disorder)		0	0	1	0
Fraxinus americana	White Ash	Root rot ( <i>Phytophthora</i> sp./spp.)		0	1	0	0
Ilex opaca	American Holly	Additional sample requested (Identification Analysis)		2	0	0	0
Ilex opaca	American Holly	Root damage (Abiotic disorder)		0	0	2	0
Lavandula	English	Black root rot ( <i>Thielaviopsis basicola</i> )		0	3	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		Not Detected	Suspected	Inconclusive		
Lavandula angustifolia	English Lavender	Rhizoctonia root rot ( <i>Rhizoctonia</i> sp./spp.)		0	0	0		
Lavandula angustifolia	English Lavender	Unknown abiotic disorder (Abiotic disorder)		0	2	0		
Lavandula X. Intermedia	Lavender	Black root rot ( <i>Thielaviopsis basicola</i> )		1	0	0		
Lavandula X. Intermedia	Lavender	Unknown abiotic disorder (Abiotic disorder)		0	1	0		
Ocimum basilicum	Sweet Basil	Basil downy mildew (Peronospora belbahrii)		1	0	0		
Ocimum basilicum	Sweet Basil	Sunscald (Abiotic disorder)		0	1	0		
Ocimum basilicum	Sweet Basil	Unspecified pathology ( <i>Botrytis</i> sp./spp.)		0	0	0		
Picea sp./spp.	Spruce	High soil moisture (Abiotic disorder)		0	1	0		
Picea sp./spp.	Spruce	No pathogen found (Identification Analysis)		0	0	0		
Picea sp./spp.	Spruce	Nutrient imbalance (Abiotic disorder)		0	1	0		
Picea sp./spp.	Spruce	Sunscald (Abiotic disorder)		0	1	0		
Platanus x acerifolia	London Planetree	Branch canker; Massaria ( <i>Splanchnonema platani</i> )		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	
Platanus x acerifolia	London Planetree	Unspecified pathology ( <i>Hapalocystis</i> sp./spp.)		1	0	0	0	
Prunus persica	Peach	Additional sample requested (Identification Analysis)		1	0	0	0	
Ulmus americana	American Elm	Additional sample requested (Identification Analysis)		1	0	0	0	
Ulmus americana	American Elm	Dutch elm disease (Ophiostoma sp./spp.)		3	2	0	0	
Ulmus sp./spp.	Elm	Anthracnose; Black spot (Stegophora ulmea)		1	0	0	0	
Wisteria sp./spp.	Wisteria	Potyvirus Group (Potyvirus Group)		1	0	0	0	
Wisteria sp./spp.	Wisteria	Tobacco mosaic (Tobacco Mosaic Virus (TMV))		0	1	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.