### Cornell University Plant Disease Diagnostic Clinic

Oriental Bittersweet (Celastrus orbiculatus)

Root Damage (Abiotic disorder)

Phytoplasma Disease (*Phytoplasma* sp./spp. unknown)

Celastrus sp./spp.

Celtis occidentalis

Celtis occidentalis

Bittersweet

(staff tree)

Hackberry

(nettle tree)

Hackberry

(nettle tree)

#### **Diagnostic Review Report**

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	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 October 20 <sup>th</sup> through Octob	er 26 <sup>th</sup> , 2015				
Amorphophallus titanum	Titan Arum	Referred to Specialist (Identification Analysis)		1	0	0	0
Ampelopsis brevipendunculata	Porcelainberry	Porcelainberry (Ampelopsis brevipedunculata)		1	0	0	0
Broussonetia papyrifera	Paper Mulberry	Paper mulberry (Broussonetia papyrifera)		1	0	0	0
Buxus sp./ spp.	Boxwood	Boxwood Blight; Leaf and Stem Blight (Calonectria pseudonaviculata)		0	2	0	0
Buxus sp./ spp.	Boxwood	Nutrient Imbalance (Abiotic disorder)		0	0	2	0
Camellia japonica	Common Camellia	Moisture Stress (Abiotic disorder)		0	0	1	0
Camellia japonica	Common Camellia	Not Pathogen; Saprophyte (Secondary Agents; Saprophytes; Unspeci	f.)	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.

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# **Diagnostic Review Report**

Host		Diagnosis		Confidence (to genus)				
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Chrysanthemum sp./spp. hybrids	Chrysanthemu m	Chrysanthemum White Rust ( <i>Puccinia horiana</i> )		3	0	0	0	
Euphorbia pulcherrima	Poinsettia	No Pathogen Found (Identification Analysis)		1	0	0	0	
Euphorbia pulcherrima	Poinsettia	Nutrient Imbalance (Abiotic disorder)		0	0	1	0	
Ilex x meserveae	Blue Holly	Black Root Rot (Thielaviopsis basicola)		1	0	0	0	
Ilex x meserveae	Blue Holly	High Soil Moisture (Abiotic disorder)		0	0	1	0	
Picea pungens	Blue Spruce	Moisture Stress (Abiotic disorder)		0	0	1	0	
Picea pungens	Blue Spruce	Spruce Needle Cast ( <i>Lirula macrospora</i> )		0	0	1	0	
Pinus thunbergiana	Japanese Black pine	Insect Damage (Unidentified Insect)		1	0	0	0	
Quercus rubra	Northern Red oak	Oak Wilt (Ceratocystis fagacearum)		0	1	0	0	
Quercus rubra	Northern Red oak	Root Damage (Abiotic disorder)		0	0	1	0	
Quercus rubra	Northern Red oak	Wood Decay Fungus (Unidentified Fungus)		0	0	1	0	

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Ulmus alata	Winged Elm	Additional Sample Requested (Identification Analysis)		1	0	0	0	
Vitis sp./spp.	Grape	Crown and Root Rot ( <i>Phytophthora</i> sp./spp.)		1	6	0	0	
Vitis sp./spp.	Grape	Lesion Nematodes ( <i>Pratylenchus</i> sp./spp.)		5	0	0	0	
Vitis sp./spp.	Grape	Pin Nematodes ( <i>Paratylenchus</i> sp./spp.)		1	0	0	0	
Vitis sp./spp.	Grape	Ring Nematodes (Criconemella sp./spp.)		5	0	0	0	
Vitis sp./spp.	Grape	Stubby-root Nematodes (Family Trichodoridae)		3	0	0	0	
Vitis sp./spp.	Grape	Stunt Nematodes ( <i>Tylenchorhynchus</i> sp./spp.)		3	0	0	0	

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