Unspecified pathology (Cytospora sp./spp.)

Carpinus betulus

European Hornbeam **Diagnostic Review Report**

Host		Diagnosis		Confidenc (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 August 6 th through August 19 th 2019				
Abies concolor	White Fir	Herbicide injury; Exposure (Abiotic disorder)	0	0	1	0
Abies concolor	White Fir	No pathogen found (Identification Analysis)	1	0	0	0
Acer palmatum	Japanese Maple	Maple anthracnose (Aureobasidium apocryptum)	1	0	0	0
Acer palmatum	Japanese Maple	Powdery mildew (Sawadaea sp./spp.)	1	0	0	0
Acer platanoides crimson	Norway Maple; crimson king	Cytospora canker; Dieback (Cytospora sp./spp.)	1	0	0	0
Acer platanoides crimson	Norway Maple; crimson king	Verticillium wilt (<i>Verticillium</i> sp./spp.)	0	1	0	0
Betula sp./spp.	Birch	Marssonina leaf spot (Marssonina betulae)	1	0	0	0
Calluna vulgaris	Scotch Heather	Unspecified pathology (<i>Rhizoctonia</i> sp./spp.)	1	0	0	0
Carpinus betulus	European Hornbeam	Additional sample requested (Identification Analysis)	1	0	0	0
Carpinus betulus	European Hornbeam	Root damage (Abiotic disorder)	0	0	1	0
Carpinus betulus	European Hornbeam	Unspecified pathology (Colletotrichum sp./spp.)	1	0	0	0

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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.

Diagnostic Review Report

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Carpinus betulus	European Hornbeam	Unspecified pathology (<i>Phomopsis</i> sp./spp.)		1	0	0	0
Cornus kousa	Japanese Dogwood; kousa	Additional sample requested (Identification Analysis)		1	0	0	0
Cornus kousa	Japanese Dogwood; kousa	Phytophthora root and crown rot (<i>Phytophthora cactorum</i>)		0	0	1	0
Cucumis sativus	Cucumber	Cucurbit downy mildew (Pseudoperonospora cubensis)		0	1	0	0
Cucumis sativus	Cucumber	Unknown abiotic disorder (Abiotic disorder)		0	0	1	0
Cucumis sativus	Cucumber	Unspecified pathology (Alternaria sp./spp.)		1	0	0	0
Cucurbita pepo melopepo	Zucchini Squash	Cucurbit downy mildew (Pseudoperonospora cubensis)		0	1	0	0
Cucurbita pepo melopepo	Zucchini Squash	Powdery mildew (Oidium sp./spp.)		1	0	0	0
Cucurbita pepo melopepo	Zucchini Squash	Unknown abiotic disorder (Abiotic disorder)		0	0	1	0
Cupressus × leylandii	Leyland Cypress	No pathogen found (Identification Analysis)		1	0	0	0

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Cupressus × leylandii	Leyland Cypress	Planting too deep (Abiotic disorder)		0	0	1	0	
Cupressus × leylandii	Leyland Cypress	Wound canker (Abiotic disorder)		1	0	0	0	
Fagus sp./spp.	Beech	Leaf gall nematode (<i>Litylenchus crenatae</i>)		18	0	3	0	
Glycine max	Soybean	Anthracnose (Colletotrichum sp./spp.)		1	0	0	0	
Glycine max	Soybean	Charcoal rot (<u>Macrophomina phaseolina</u>)		1	0	0	0	
Glycine max	Soybean	Fusarium root; Crown rot (Fusarium sp./spp.)		1	0	0	0	
Glycine max	Soybean	Fusarium wilt; Fusarium wilt complex (Fusarium sp./spp.)		0	0	1	0	
Hydrangea petiolaris	Climbing Hydrangea	Leaf scorch (Abiotic disorder)		0	0	1	0	
Hydrangea petiolaris	Climbing Hydrangea	Non-pathogenic; Saprophyte (Secondary Agents; Saprophytes; Unspecif.)		1	0	0	0	
Hydrangea petiolaris	Climbing Hydrangea	Root damage (Abiotic disorder)		1	0	0	0	
Juniperus sp./spp.	Juniper	Kabatina tip blight; Needle blight (<i>Kabatina juniperi</i>)		1	0	0	0	
Juniperus sp./spp.	Juniper	Winter injury (Abiotic disorder)		0	0	1	0	
Lactuca sativa	Lettuce	Rhizoctonia bottom rot (<i>Rhizoctonia solani</i>)		1	0	0	0	

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Lactuca sativa Lettuce Unidentified bacteria (Unidentified Bacteria)				0	0	0	
Malus domestica	Domestic Apple	Crown and root rot (<i>Phytophthora</i> sp./spp.)	2	1	0	0	
Malus domestica	Domestic Apple	Unspecified pathology (<i>Phytophthora</i> sp./spp.)	2	0	0	0	
Malus sp./spp.	Crabapple	Leaf scorch (Abiotic disorder)		0	1	0	
Malus sp./spp.	Crabapple	No pathogen found (Identification Analysis)		0	0	0	
Malus sp./spp.	Crabapple	Unknown abiotic disorder (Abiotic disorder)		0	1	0	
Medicago sp./spp.	Alfalfa	Additional sample requested (Identification Analysis)		0	0	0	
Medicago sp./spp.	Alfalfa	Alternaria leaf spot (<i>Alternaria</i> sp./spp.)		0	1	0	
Medicago sp./spp.	Alfalfa	Referred to specialist (Identification Analysis)		0	0	0	
Nandina domestica	Heavenly Bamboo	No pathogen found (Identification Analysis)		0	0	0	
Nandina domestica	Heavenly Bamboo	Root damage (Abiotic disorder)		0	1	0	
Nandina domestica	Heavenly Bamboo	Thrips damage (Unidentified Thrips)		0	0	0	
Pachysandra sp./spp.	Pachysandra	Boxwood blight; Leaf and stem blight (Cylindrocladium pseudonaviculatum)		1	0	0	

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Pachysandra sp./spp.	Pachysandra	Leaf and stem blight (Volutella pachysandrae)		1	0	0	0	
Pachysandra sp./spp.	Pachysandra	Root damage (Abiotic disorder)		0	0	1	0	
Rosa sp./spp.	Rose	Referred to specialist (Identification Analysis)		1	0	0	0	
Rubus sp./spp.	Raspberry	Leaf spot (Sphaerulina rubi)		1	0	0	0	
Rubus sp./spp.	Raspberry	Root damage (Abiotic disorder)		0	0	1	0	
Rubus sp./spp.	Raspberry	Spider mites (Family Tetranychidae)		1	0	0	0	
Thuja occidentalis	North. White/ American cedar	Pestalotiopsis needle blight; Tip blight (<i>Pestalotiopsis</i> sp./spp.)		1	0	0	0	
Thuja occidentalis	North. White/ American cedar	Unknown abiotic disorder (Abiotic disorder)		0	0	1	0	
Tilia americana	American basswood	Dieback; Canker; Twig blight (<i>Botryosphaeria</i> sp./spp.)		0	0	1	0	
Turfgrass mixed species	Turfgrass	Brown patch (<i>Rhizoctonia</i> sp./spp.)		1	0	0	0	
Turfgrass mixed species	Turfgrass	Magnaporthe summer patch (Magnaporthe poae)		1	0	0	0	
Ulmus americana	American Elm	Wood rot; White rot (Irpex lacteus)		1	0	0	0	

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