PHOTO GALLERY

SYMPTOMS ASSOCIATED WITH XYLELLA FASTIDIOSA INFECTIONS IN DIFFERENT HOST PLANTS IN APULIA (ITALY)

Prepared by CNR-INSTITUTE FOR SUSTAINABLE PLANT PROTECTION, BARI (ITALY)
Bacterial infections in Apulia have been found associated with *Xylella fastidiosa* subspecies pauca - sequence type ST53
Dessication reproduced in greenhouse on Xf-inoculated olive plants

Shoot dieback on Xf-inoculated olive plants in greenhouse
Scorch symptoms
Wilting and dieback
Olive trees showing quick decline syndrome at advanced stage
Extensive dessication on young tree
Olive trees showing quick decline syndrome at advanced stage
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LEAF SCORCH SYMPTOMS ON INFECTED OLEANDER (NERIUM OLEANDER)
LEAF SCORCH SYMPTOMS ON XF-INFECTED OLEANDER (NERIUM OLEANDER)
Yellowing and chlorosis observed on artificial inoculated plants in greenhouse.
DESSICATION AND DECLINE ON XF-INFECTED OLEANDER
(NERIUM OLEANDER)
LEAF SCORCH SYMPTOMS ON XF-INFECTED OLEANDER:
INITIAL MARGINAL LEAF CHLOROSIS (LEFT),
FOLLOWED BY NECROSIS (RIGHT)
ALMOND (*PRUNUS DULCIS*)
LEAF SCORCH AND BROWNING
Symptoms observed in July-August
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CHERRY (PRUNUS AVIUM)
LEAF SCORCH AND BROWNING
Leaf scorch symptom affecting a branch, with upward-curling leaves

Symptoms observed in late July
Symptoms scored in August
MYRTLE LEAF MILKWORT (*POLYGALA MYRTIFOLIA*)
LEAF SCORCH | TWIG DESICCATION
Leaf scorch symptoms and shoot dieback on Xf-inoculated plants grown in greenhouse
Leaf scorch symptoms and shoot dieback on Xf-inoculated plants grown in greenhouse.
SYMPTOMS ON OTHER HOSTS
WESTRINGIA FRUTICOSA

Yellowing and dessiccation
ACACIA SALIGNA

Dessication of branches  August 2014
Rapid progression of the symptoms

August 2014  March 2016
Extensive dessication

August 2014
ACACIA SALIGNA

The tree died rapidly and was removed   March 2016
SPARTIUM JUNCEUM

Extensive dessication
Leaf scorch symptoms
MYRTUS COMMUNIS

Yellowing and foliage dessication
CISTUS CRETCICUS

Dessication phenomena
Leaf scorch symptoms

LAURUS NOBILIS
Extensive dessication
Extensive dessication
Leaf scorch symptoms and dieback
Leaf scorch symptoms
Leaf scorch symptoms and dessication
Leaf scorch symptoms
EXAMPLES OF ASYMPTOMATIC HOSTS
ASPARAGUS ACUTIFOLIUS
WESTRINGIA GLABRA
MYOPORUM INSULARE
OLIVE QUICK DECLINE SYNDROME
PROGRESSION OF THE SYMPTOMS ON THE INFECTED TREES
PROGRESSIVE STAGES OF THE “OLIVE QUICK DECLINE SYNDROME”
1. Typical withered and chlorotic leaves representing the initial stage of the dessication phenomena
Initial symptoms of desiccation on few scattered branches
Progression on the canopy of the desiccation phenomena

«Gigante di Alliste» (Lecce, Italy), 1,500 years old olive tree. September 2015
Severe desiccation

«Gigante di Alliste» (Lecce, Italy), 1,500 years old olive tree. July 2016
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This slideshow presentation was prepared in the framework of the H2020 research Projects:

POntE (Pest Organisms Threatening Europe)

XF (Xylella Fastidiosa Active Containment Through a multidisciplinary-Oriented Research Strategy)

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