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

OLIVE QUICK DECLINE SYNDROME
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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Symptoms observed in July-August
CHERRY (*PRUNUS AVIUM*)
LEAF SCORCH AND BROWNING

Symptoms observed in June
Symptoms observed in late July

Leaf scorch symptom affecting a branch, with upward-curling leaves
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
Dessication of branches August 2014
ACACIA SALIGNA

Rapid progression of the symptoms

August 2014    March 2016
ACACIA SALIGNA

Extensive dessication

August 2014
The tree died rapidly and was removed

March 2016
Extensive dessication

SPARTIUM JUNCEUM
Leaf scorch symptoms
Yellowing and foliage dessication
CISTUS CRETICUS

Dessication phenomena
Leaf scorch symptoms
Extensive dessication
Extensive dessication

LAVANDULA ANGUSTIFOLIA
Leaf scorch symptoms and dieback
Leaf scorch symptoms
Leaf scorch symptoms and dessication
PHILLYREA LATIFOLIA

Leaf scorch symptoms
EXAMPLES OF ASYMPTOMATIC HOSTS
RHAMNUS ALATERNUS
VINCA SPP.
EUPHORBIA TERRACINA
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

«Gigante di Alliste» (Lecce, Italy), 1,500 years old olive tree. September 2014
Progression on the canopy of the desiccation phenomena
Severe desiccation

«Gigante di Alliste» (Lecce, Italy), 1,500 years old olive tree. July 2016
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