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Horticultural Science

Sporadic distribution of *Plum pox virus* M strain in natural sources in the Czech Republic

J. Polák, J. Pívalová

Hort. Sci. (Prague), 32 (2005): 85-88

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The presence and distribution of M strain of *Plum pox virus* (PPV-M) were investigated in natural hosts of Sharka, plums, myrobalans and blackthorns in the Czech Republic. Leaves or flowers of trees were evaluated for the presence of PPV by specific polyclonal antibodies at first. PPV infected samples were investigated for the presence of PPV-M

by strain specific monoclonal antibodies. 102 PPV isolates from plum, 81 from myrobalan and 25 from blackthorn were typed. PPV-M was detected in six plum trees, six myrobalan trees and in one shrub of blackthorn. Sporadic incidence of PPV-M was proved in all investigated areas of the Czech Republic. Molecular and serological typing of different PPV strains in natural hosts, plum, apricot, and peach orchards was proposed to realize in Central Europe.

Keywords:

Plum pox virus; PPV-M strain; detection; plum; myrobalan; blackthorn; monoclonal antibodies

[[fulltext](#)]

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