Focus

Compiled by Thor Kommedahl

Phytophthora austrocedrae is a new species isolated from Chilean cedar (Austrocedrus chilensis) closely related to P. syringae, report A. G. Greslebin and associates at CIEFAP, Chubut, Argentina, and Oregon State University. (Mycol. Res. 111:308-316, 2007)

Chloroplast Hsp70 is targeted by the Pseudomonas syringae Hopl1 effector to promote virulence by suppressing plant defenses, report J. Jalenska and associates at The University of Chicago; Sun Yat-sen University, PR China; and University of Pittsburgh. (Curr. Biol. 17:499-508, 2007)

Chaetomium elatum is both a rhizoplane and rhizosphere fungus in avocado, and is pathogenic when resources are limited and intraspecific competition is high, report H. Violi and associates at the University of California, Riverside. (Am. J. Bot. 94:690-700)

Viroplasm produced by Sonchus yellow net virus requires homologous nucleocapsid protein interactions, and phosphoprotein requires interaction with nucleocapsid after both enter the nucleus, report M. Deng and associates at the University of California, Berkeley, and the University of Kentucky. (J. Virol. 81:5362-5374, 2007)

Of 141 European wheat cultivars tested as seedlings, 56 were highly resistant to Puccinia striiformis, and 18 had components of adult plant resistance, report M. S. Hovmøller at the University of Aarhus, Denmark. (Plant Breed. 126:225-233, 2007)

Pseudomonas brassicacearum produces 1-aminocyclopropane-1-carboxylate deaminase to promote tomato root growth by masking pathogenicity, report A. A. Belimov and associates at ARRIAM, St. Petersburg, Russian Federation; University of Lancaster, UK; and University of Waterloo, Canada. (J. Exp. Bot. 58:1485-1495, 2007)

A DNAβ–induced gene silencing in tomato was initiated in vascular tissue by a viral satellite DNA of Tomato yellow leaf curl China virus, report X. Cai and associates at Zhejiang University, Hangzhou, PR China. (Virus Res. 125:169-175, 2007)

Carrot cavity spot is caused mainly by Pythium intermedium, P. sulcatum, P. sylvaticum, P. violae, and a new Pythium species, report A. Hermansen at the Bioforsk-Norwegian Institute for Agricultural and Environmental Research, Norway. (Ann. Appl. Biol. 150:115-121, 2007)

Iranian beet curly top virus is the dominant curtovirus on four field crops, three vegetables, and 11 weeds in Iran, report J. Heydarnejad and associates at Shahid Bahonar University of Kerman, Iran. (J. Phytopathol. 155:321-325, 2007)

Stem puncture inoculum was effective in identifying resistance of olive cultivars to Verticillium dahliae, report F. J. López-Escudero and associates at Universidad de Córdoba, Spain. (HortScience 42:190-423, 2007)

Mixtures of sugarcane cultivars did not affect abundance of plant-parasitic nematodes, but successive crops of mixtures increased proportions of Meloidogyne javanica, report P. Cadet and associates at CBGP, France, and South African Sugarcane Institute, South Africa. (Plant Pathol. 56:526-535, 2007)

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