

Focus

Compiled by Thor Kommedahl

A novel plant-resistance gene RPG1 for barley stem-rust resistance was found by R. Brueggeman and associates at Washington State University, Pullman, and University of Minnesota, St. Paul. (Proc. Natl. Acad. Sci. USA 99:9328-9333, 2002)

Additions of leaves in soil cages enhanced Dactylellina haptotyla population density and nematode-trapping activity, and population density of Arthrobotrys spp., in a vineyard, reports B. A. Jaffee at the University of California, Davis. (Appl. Soil. Ecol. 21:1-9, 2002)

The Plant Introduction (PI) accessions in the USDA watermelon collection most resistant to Papaya ringspot virus-W were also resistant to four other watermelon viruses, report E. B. Strange and associates at North Carolina State University, Raleigh. (Crop Sci. 42:1324-1330, 2002)

The resistance mechanism of potato to the potato cyst nematode differed among four Solanum species, and alleles conferring virulence against all four species were detected, report S. J. Turner and C. C. Fleming at the Agriculture and Food Science Centre, Belfast, Northern Ireland. (Eur. J. Plant Pathol. 108:461-467, 2002)

Septoria musiva from poplar cankers was isolated and identified on a V8 vegetable juice-based medium containing captan, chlorothalonil, iprodione, mancozeb, and streptomycin sulfate, report J. C. Stanosz and G. R. Stanosz at the University of Wisconsin, Madison. (For. Pathol. 32:145-152, 2002)

Tobacco rattle virus on potato was eliminated from Paratrichodorus allius by establishing a new virus-vector combination, report H. Mojtabaei and associates at Washington State University, Pullman, the Irrigated Agriculture Research and Extension Center and the USDA, Prosser, Washington. (J. Nematol. 34:66-69, 2002)

Fusarium avenaceum causes stem canker in Robinia pseudoacacia according to I. Zaspel at the Institut für Forstgenetik und Forstpflanzenzüchtung, Waldsieversdorf, and H. I. Nirenberg at the Institut für Pflanzenvirologie, Mikrobiologie und Biologische Sicherheit, Berlin, Germany. (Nachrbl. Dtsch. Pflanzenschutzd. 54:105-109, 2002)

Cole latent virus is homologous with Potato virus M, Hop latent virus, and Blueberry scorch virus, which supports its classification as a species of Carlavirus according to P. Belintani and associates at IBILCE/UNESP, São José do Rio Preto, and IAC, Cordeirópolis, Brazil. (J. Phytopathol. 150:330-333, 2002)

Agrobacterium strains that harbor a Ti plasmid had a positive fitness for survival compared to Ti plasmid-free strains in soil and weed rhizospheres despite lack of tumors (opines), report Z. Krimi and associates at Université de Tlemcen, Algeria, CNRS at Gif-sur-Yvette, INRA at Dijon and Villeurbanne, and Université Claude Bernard-Lyon, France (Appl. Environ. Microbiol. 68:3358-3365, 2002)

Mixtures of plant growth-promoting rhizobacteria can induce systemic resistance to tomato bacterial wilt, pepper anthracnose, green kuang damping-off, and Cucumber mosaic virus, report K. Jetlyanon of Naresuan University, Phitsanulok, Thailand, and J. W. Kloepper at Auburn University, Alabama. (Biol. Control 24:285-291, 2002)

Inoculum pellets of Pisolithus microcarpus were produced by liquid fermentation in an airlift bioreactor with external circulation to be applied in reforestation programs report M. J. Rossi and others at the Universidade Federal de Santa Catarina, Florianopolis-SC, Brazil. (Appl. Microbiol. Biotechnol. 59:175-181, 2002)