

Elsinochromes, similar to cercosporin, from Elsinöe fawcettii function as photosensitizing compounds to produce oxygen quenchers toxic to citrus plant cells, report H.-L. Liao and K.-R. Chung at University of Florida, Lake Alfred. (New Phytol. 177:239-250, 2008)

Plant defensins from alfalfa inhibit root growth of arabidopsis that is not directly correlated with their antifungal activity, report A. Allen and associates at the Danforth Plant Science Center, Missouri, and University of Michigan. (Planta 227:331-339, 2008)

Because Meloidogyne incognita juveniles can migrate through soil pores with diameters of 30 to 100 µm and more, conventional tillage may enhance migration and reinfestation of crops by nematodes, report J. Eo and associates at the University of Tokyo and National Agricultural Research Center, Japan. (Nematology 9:751-758, 2007)

The pathogenicity plasmid pPATH in Pantoea agglomerans evolved from a common ancestral mobilizable plasmid that was transferred into different strains, report D. M. Weinthal and associates at The Volcani Center, Bet Dagan; Tel-Aviv University; and Ministry of Health, Jerusalem; Israel. (Appl. Environ. Microbiol. 73:7552-7561, 2007)

When Verticillium wilt is present in an alfalfa stand, the most economically viable practice tested was two cuttings plus fall grazing, report J. N. Sedman and associates at the University of Wyoming. (Agron. J. 99:1635-1639, 2007)

A new canker disease of Chrysopsis chrysophylla caused by Phytophthora cambivora was reported in Oregon by A. Saavedra and associates at USDA Forest Service, Washington and Oregon, and Oregon State University. (For. Pathol. 37:409-419, 2007)

Blumeria graminis specifically requires Ca²⁺ and calmodulin for hyphal penetration of barley coleoptiles, report I. Kobayashi and associates at Mie University and Nagoya University, Japan. (J. Gen. Plant Pathol. 73:399-404, 2007)

In the systemic resistance of Anthurium andraeanum to bacterial blight, the additive effects were four- to five-fold greater than the nonadditive effects in 83 biparental crosses of 39 cultivars, report W. Elibox and P. Umaharan at the University of the West Indies, Trinidad and Tobago. (Sci. Hortic. 115:76-81, 2007)

Eight of 14 plants obtained from interspecific crosses of Coffea arabica and C. canephora were resistant to all races of Hemileia vastatrix, report L. Mahé and associates at IRD, UMR RPB, GeneTrop, France; and Instituto de Investigação Científico Tropical CIFIC, Portugal. (Plant Breed. 126:638-641, 2007)

Resistance to root rot caused by Fusarium solani was controlled by the root genotype not the shoot genotype in Phaseolus vulgaris, report K. A. Cichy and associates at Michigan State University. (Plant Soil 300:233-244, 2007)

To detect citrus exocortis and related viroids, microindexing on cuttings by grafting was easier and more reliable than microindexing either on seedlings or on cuttings by injection, report T. Kapari-Isaia and associates at the Agricultural Research Institute, Cyprus, and Middlesex University, UK. (Plant Pathol. doi:10.1111/j.1365-3059.2007.01774.x)