

Cryptococcus sp., a fungal pathogen that infects immunocompromised humans, can complete its sexual cycle as a pathogen on plants, causing dwarfing and chlorosis, report C. Xue and associates, Duke University, NC. (Cell Host Microbe 1:263-273, 2007)

Artificial microRNA that targets sequences encoding silencing suppressor 2b of Cucumber mosaic virus confers virus resistance in transgenic tobacco, report J. Qu and associates, Chinese Academy of Sciences, China. (J. Virol. 81:6690-6699, 2007)

Conversion of indirectly to directly available nitrogen results in apical necrosis in wheat; moreover, Puccinia triticina can accelerate physiological apical necrosis, report F. van den Berg and associates at Rothamsted Research and University of Reading, UK; and INRA, France. (Plant Pathol. 56:424-436, 2007)

Using RT-PCR, full length viroids of Citrus exocortis viroid, Hop stunt viroid, Citrus viroid-III, and Citrus viroid-IV could be detected, cloned, and sequenced from a collection of viroid-inoculated grapefruit plants, report M. Kunta and associates at Texas A&M University-Kingsville Citrus Center, TX. (HortScience 42:600-604, 2007)

Carrot cavity spot caused by Pythium spp., including P. violae, starts as infection from soilborne inoculum and spreads from root to root from existing lesions (polycyclic) reports F. Suffert at INRA, LeRheu, France. (Can. J. Plant Pathol. 29:41-55, 2007)

Use of resistant cultivars, but not tillage as a sole option, is effective in managing the soybean cyst nematode in northern climate and soil conditions, reports S. Chen, University of Minnesota, Waseca. (Agron. J. 99:797-807, 2007)

Chlorothalonil (8 kg a.i./ha) controlled gray leaf spot on Agrostis stolonifera and Lolium perenne applied at 8-day intervals, but only where irrigated infrequently, report S. J. McDonald and associates at University of Maryland and Purdue University. (Crop Sci. 46:2675-2684, 2007)

Recombinants made up significant proportions of the viral population in mixed infections of begomoviruses associated with Tomato leaf curl virus, but not all regions of the genome contributed equally, report S. Garcíá-Andrés and associates at Estación Experimental "La Mayora", Málaga, Spain. (Virology 365:210-219, 2007)

Rhexocercosporidium panacis is a newly described species causing rusted root of ginseng, reports R. D. Reeleder at Agriculture and Agri-Food Canada, London, Ontario, Canada. (Mycologia 99:91-98, 2007)

Four variants of Citrus mosaic virus and a Satsuma dwarf virus (SDV) strain were detected in a single citrus tree (variants generated by SDV genetic mutations) report T. Ito and associates at National Institute of Fruit Tree Science, Minami Kyushu University, and Yamaguchi Agricultural Experiment Station, Japan. (J. Gen. Plant Pathol. 73:147-151, 2007)

Azospirillum brasilense, a plant growth-promoting bacterium, was isolated from strawberry root surfaces and inner tissues of roots and stolons, could fix nitrogen, and produce siderophores and indoles, report R. O. Pedraza and associates at Universidad Nacional de Tucumán, and UNT-CONICET, Argentina. (Plant Soil 295:169-178, 2007)