

The gene for inactivation of the autoinducer N-acylhomoserine lactone involved in expression of pathogenic genes in Erwinia carotovora has been cloned and can attenuate pathogenicity on potato, eggplant, carrot, celery, and cauliflower, report Y.-H. Dong and associates at The National University of Singapore. (Proc. Natl. Acad. Sci. USA 97:3526-3531, 2000)

A natural sequence variability among Central European isolates of Potato virus S was determined by cDNA analysis, report J. Matousek and associates at the Institute of Plant Molecular Biology, and the Potato Research Institute, in the Czech Republic; and the Federal Center for Breeding Research in Aschersleben, Germany. (Can. J. Plant Pathol. 22:29-37, 2000)

A binary code to describe morphological characters in terms of multi-state characters, to study the 1,000 or more species of Ceratocystis, was developed by C. D. Viljoen and associates at the University of the Orange Free State, Bloemfontein, and the University of Pretoria, South Africa. (Mycotaxon 74:217-239, 2000)

At least 20 genes for stem rust resistance exist in Thatcher wheat attributable to the independence of each gene in a complex resistance system, reports D. R. Knott, University of Saskatchewan, Saskatoon, Canada. (Can. J. Plant Sci. 80:53-63, 2000)

A Choanephora sp. infects male flowers of Artocarpus integer, and gall midges that are pollinators feed on the mycelium on flowers to facilitate pollination, report S. Sakai and associates at Kyoto University, Kyoto, Japan. (Am. J. Bot. 87:440-445, 2000)

A local spray application of Beta aminobutyric acid enhances resistance to Tobacco mosaic virus in tobacco containing the N gene, according to J. Siegrist and associates at the University of Hohenheim, Stuttgart, Germany. (Physiol. Mol. Plant Pathol. 56:95-106, 2000)

Containerized seedlings of Fraser fir are most susceptible, Siberian fir less so, and momi fir somewhat resistant to Phytophthora cinnamomi, making momi fir a good rootstock in Christmas tree production, report L. E. Hinesley and associates at North Carolina State University, Raleigh. (HortScience 35:87-88, 2000)

Selecting wheat genotypes with the gliadin loci in winter wheat increases the probability of obtaining lines with better resistance to Fusarium head blight, report M. Ittu and associates at the Research Institute for Cereal and Industrial Crops, Fundulea, Romania. (Crop Sci. 40:62-67, 2000)

Sclerotinia nivalis was reported for the first time on lettuce and in China by G. Li and associates at Huazhong Agricultural University, Hubei, China, and Agriculture and Agri-Food Canada, Lethbridge, Canada. (Mycol. Res. 104:232-237, 2000)

For benomyl to be used as a nonmycorrhizal control, soil should be sampled in spring after a thaw, with suppressed mycorrhization in bioassays of 4 weeks, and benomyl should be applied immediately after sowing, report H. Kahiluoto and M. Vestberg at the Agricultural Research Center of Finland at Partula and Vihtavuori, Finland. (Mycorrhiza 9:259-270, 2000)

Evidence of cross-reacting monoclonal antibodies reacting specifically with two grapevine closteroviruses lacking serological relationships was reported by A. Seddas and associates at Service Régionale de la Protection des Végétaux, Strasbourg Cedex; INRA, Colmar Cedex; and Laboratoire National de Protection des Végétaux, Colmar Cedex, France. (Plant Pathol. 49:80-85, 2000)