

Overproduction of salicylic acid in tobacco plants by two bacterial transgenes enhanced resistance to viral and fungal pathogens, report M. C. Verberne and associates at Leiden University in Leiden and Utrecht University in Utrecht, The Netherlands. (Nature Biotechnol. 18:779-783, 2000)

Resistance of potato to late blight was greater in lines with a type A trichome density and with the polyphenol-activity of its glands, but not with type B trichomes, according to A. Lai and associates at ENEA, C.R. Casaccia, Rome, Italy. (Euphytica 114:165-174, 2000)

Methylobacterium extorquens and Pseudomonas synxantha colonize scale primordia and resin ducts in buds of Pinus sylvestris and inhibit bud growth, report A. M. Pirttilä and associates at the University of Oulu, Oulu, Finland. (Appl. Environ. Microbiol. 66:3073-3077, 2000)

Application of Fusarium oxysporum increased propagule number of five Glomus spp. in fields of pea but not in sorghum after pea, according to S. Frechia and associates at the University of Buenos Aires, Argentina, and the Zaidin Experiment Station, Granada, Spain. (Plant Soil 223:177-186, 2000)

Aspartic acid residues are important in aphid transmission of Cucumber mosaic virus and the outer portion of the B loop mediates binding of the virus to aphid mouthparts, according to T. J. Smith and associates at Purdue University, West Lafayette, Indiana. (J. Virol. 74:7578-7586, 2000)

Bacillus megaterium in soil or applied to seeds resulted in its colonization of soybean roots and suppression of Rhizoctonia root rot, according to X. Y. Zheng and J. B. Sinclair of the University of Illinois, Urbana-Champaign. (BioControl 45:223-243, 2000)

Cucumber releases phenolic compounds that repress powdery mildew independent of genetic resistance of a cultivar, report F. Daayf and associates at the University of Laval, Quebec, Canada, and the University of Caddi Ayyad, Marrakech, Morocco. (J. Chem. Ecol. 26:1579-1953, 2000)

The complete nucleotide sequence of RNA1 of the Chinese isolate of Broad bean wilt virus 2 contains 5,956 nucleotides, report Y. Qi and associates at Zhejiang University, Huajiachi, People's Republic of China. (Virus Genes 20:201-207, 2000)

Chitin serves as a measure of the biomass in Crinipellis perniciosa that causes witches'-broom of cacao, report D. Penman and associates at the University of Liverpool, UK. (Mycol. Res. 104:671-675, 2000)

In conjunction with the speed of the infecting-challenge Tobacco mosaic virus, both RNA and protein sequences cross-protected Potato X virus-infected tobacco plants, according to S. P. Goregaoker and associates at the University of Maryland, College Park. (Virology 273:267-275, 2000)

Trifluoromethyl sulfur pentafluoride in the atmosphere has increased from near zero in the 1960s to 0.12 part per trillion in 1999, and is increasing 6% per year, according to W. T. Sturges and associates at the University of East Anglia, Norwich, University of Reading, and the Natural Environment Research Council, Cambridge, UK; the Ford Motor Company, Dearborn, Michigan; and the University of Frankfurt, Frankfurt, and the Max Planck Institute, Mainz, Germany. (Science 289:611-613, 2000)