

Focus

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Virazole in callus tissue culture media eliminated Bean yellow mosaic virus and Cucumber mosaic virus in corms of Gladiolus psittacinus, report B. R. Singh and associates at the National Botanical Research Institute, India. (Sci. Hortic. 114:54-58, 2007)

For galls induced by Meloidogyne incognita in arabidopsis, 959 genes were differentially expressed and two-thirds were down regulated, report V. L. Fuller and associates at the University of Leeds, UK. (Mol. Plant Pathol. 8:595-609, 2007)

Gene regulator OsMPK6 functions as a suppressor to regulate rice defense responses to invasion by bacterial pathogens, report B. Yuan and associates at Huazhong Agricultural University, China. (Planta 226:953-960, 2007)

Terpene response (over change from wounding) of Picea abies increased, but response in Abies alba did not change, after infection by Heterobasidium annosum, report L. Zamponi and associates at University of Florence, Italy. (For. Pathol. 37:243-250, 2007)

Using Agrobacterium-mediated transfer of Tobacco rattle virus-based vectors, gene silencing was demonstrated in the model plant Aquilegia vulgaris to enable study of gene functions, report B. Gould and E. M. Kramer at Harvard University (MA). (Plant Methods 3:6 doi:10.1186/1746-4811-3-6)

The gene GAP1 is associated with growth, development, and conidiation of Fusarium verticillioides, but not with pathogenicity to corn or regulation of fumonisin B₁, report U. S. Sagaram and associates at Texas A&M University. (Microbiology 153:2850-2861, 2007)

Increase in average night-time temperature during March is an indicator for increase in wheat spot blotch severity and yield, as reflection of climate change in south Asia, according to R. C. Sharma and associates at CIMMYT in Nepal and Mexico. (Field Crops Res. 103:109-118, 2007)

Coat protein-mediated resistance of plants to Tobacco mosaic virus is correlated with a shift in intracellular equilibrium of coat protein aggregates that interfere with virus replication, report S. Asurmendi and associates at the Donald Danforth Plant Science Center, St. Louis, MO. (Virology 366:98-106, 2007)

Planting white clover cultivars resistant to the stem nematode increased dry matter yield, but additional stress of sheep grazing did not enhance the resistance effect, report T. A. Williams and associates at the Institute of Grassland and Environmental Research, UK. (Plant Breed. 126:343-346, 2007)

Ninety percent of tobacco plants became systemically infected with Tomato spotted wilt virus 40 days after sowing, but few at 60-100 days, report B. Mandal and associates at the University of Georgia (Tifton) and Washington State University. (Ann. Appl. Biol. 151:67-75, 2007)

Six pathovars of Xanthomonas campestris, in 47 strains examined, were regrouped as three pathovars and nine, instead of six, races in X. campestris pv. campestris, report E. Fargier and C. Manceau at INRA ANGERS, France. (Plant Pathol. 56:805-818, 2007)