

Sorghum sudangrass as a green manure crop following nematode-susceptible potato or cucumber crops reduced root-knot nematode populations over controls, report R. J. Kratochvil and associates at the University of Maryland, College Park. (Agron. J. 96:1419-1428, 2004)

Biofilms formed by Xylella fastidiosa in grape plants are in a metabolically differentiated state shown by inoculating plants with a transposon encoding green fluorescent protein that changed expression after passage through the host, report X. Qin and J. S. Hartung of USDA-ARS, Beltsville, MD. (Curr. Microbiol. 49:215-220, 2004)

A transcription factor from inoculating Capsicum annuum with Xanthomonas axonopodis induces hypersensitivity to respond to biotic and abiotic plant stress, report S. Y. Yi and associates at Korea Research Institute, Chungnam National University, Taejeon, and Yonsei University, Seoul, Korea. (Plant Physiol. 136:2862-2874, 2004)

Immersing infected grapes for 30 seconds in 30% ethanol at 24°C reduced decay about 50% after storage at 1°C, report O. A. Karabulut and associates at Uludag University, Turkey, and USDA-ARS, Parlier, CA. (Postharvest Biol. Technol. 34:169-177, 2004)

Intercropping cereals and legumes (trap crops) and fertilizer increased corn yields by control of Striga hermonthica, report J. Ellis-Jones and associates at Silsoe Research Institute, Bedford, UK; IITA, Ibadan, and Ahmadu Bello University, Zaria, Nigeria; CIAT, Cali, Colombia; and SSMP at Kathmandu, Nepal. (Exp. Agric. 40:353-368, 2004)

Priming mungbean seeds for 8 hours with water before sowing reduced incidence and severity of Mungbean yellow mosaic virus, report A. Rashid and associates at North West Frontier Province Agricultural University, Pakistan, and University of Wales, UK. (Crop Prot. 23:1119-1124, 2004)

A non-aflatoxin-producing strain of Aspergillus flavus that contains a defective polyketide synthase gene is applied in the field to competitively exclude aflatoxin-producing species, report K. C. Ehrlich of USDA-ARS, New Orleans, and P. J. Cotty, University of Arizona, Tucson. (Appl. Microbiol. Biotechnol. 65:473-478, 2004)

Open reading frame 6 of Tobacco mosaic virus is a determinant of viral pathogenicity in Nicotiana benthamiana, report T. Canto and associates at the Scottish Crop Research Institute, Dundee, UK. (J. Gen. Virol. 85:3123-3133, 2004)

Viruses moving and propagating between different ecosystems imply that viruses can laterally transfer DNA between microbes in different biomes, report E. Sano and associates at San Diego State University, CA. (Appl. Environ. Microbiol. 70:5842-5846, 2004)

Abscisic acid flows from host barley to the hemiparasite Rhinanthus minor to influence host-parasite relations, report F. Jiang and associates at the Julius von Sachs Institut, Würzburg, Germany. (J. Exp. Bot. 55:2323-2329, 2004)

Two resistance loci (MXC3 and MER) of poplar to rust were mapped and the flanking genomic sequence for the MXC3 locus and the linkage disequilibrium were characterized in natural populations, report T.-M. Yin and associates at Oak Ridge National Laboratory, TN, and Ghent University, Belgium. (New Phytol. 164:95-105, 2004)