The structure of African cassava mosaic virus, a whitefly-transmitted begomovirus, is similar to that of Maize streak virus, a leafhopper-transmitted mastrevirus, report B. Böttcher and associates at EMBL, Heidelberg, and University of Stuttgart, Germany. (J. Virol. 78:6758-6765, 2004)


Brassicaceous amendments in soil suppress Meloidogyne javanica and Tylenchus penetrans based on glucosinolate concentration of amendment, report I. A. Zasada and H. Ferris of the University of California, Davis. (Soil Biol. Biochem. 36:1017-1024, 2004)

Fungicide with molybdenum, sprayed once early or twice at flowering, controls angular leaf spot of Phaseolus vulgaris, report W. C. de Jesus, Jr., and associates at the Federal University of Viçosa, and the University of SãO Paulo, Brazil; University of Hannover, Germany; and University of Florida, Gainesville. (Agron. J. 96:665-670, 2004)

CLIMEX (model) predicted that cold stress accumulation would exclude Xylella fastidiosa in grape from France and north-central areas in Spain and Italy, incongruous with reports from Kosova, according to M. S. Mark and S. Hoddle at the University of California, Riverside. (Crop Prot. 23:691-699, 2004)

Boron taken up by ectomycorrhizae was transported in silver birch, report T. Lehto and associates at the University of Joensuu; the Geological Survey, Espoo; and the University of Jyväskylä, Finland. (Mycorrhiza 14:209-212, 2004)


Sunflower plants inoculated with a tagetitoxin-producing strain of Pseudomonas syringae effected a 99% loss of chlorophyll with less free glucose to be incorporated into sucrose and starch, and less ascorbic acid, report J. M. Robinson and associates at USDA-ARS, Beltsville Agricultural Research Center, Maryland. (Int. J. Plant Sci. 165:263-271, 2004)


Cell wall-degrading enzymes in arabidopsis may have to be regulated to modify cell walls while root-knot and cyst nematodes are forming feeding cells, report M. G. Mitchum and associates at the University of Missouri, North Carolina State University, CBD Technologies Inc., and The Hebrew University of Jerusalem, Rehovot, Israel. (Mol. Plant Pathol. 5:175-181, 2004)