

Phytopathology

An International Journal of the American Phytopathological Society

VOLUME 86, NUMBER 3 March 1996

BIOLOGICAL CONTROL

- 319 Fungal Penetration of the Cyst Wall of *Heterodera glycines*
S. Y. Chen and D. W. Dickson

BIOCHEMISTRY AND CELL BIOLOGY

- 277 Characterization and Purification of a Phytotoxin Produced by *Fusarium solani*, the Causal Agent of Soybean Sudden Death Syndrome H. Jin, G. L. Hartman, C. D. Nickell, and J. M. Widholm

- 295 A Possible Mechanism of Control of Rice Blast Disease by a Novel Alkoxyiminoacetamide Fungicide, SSF126 A. Mizutani, N. Miki, H. Yukioka, H. Tamura, and M. Masuko

DISEASE CONTROL AND PEST MANAGEMENT

- 267 Correlation of Fungicidal Activity of *Brassica* Species with Allyl Isothiocyanate Production in Macerated Leaf Tissue H. S. Mayton, C. Olivier, S. F. Vaughn, and R. Loria

ECOLOGY AND EPIDEMIOLOGY

- 236 Effect of Temperature, Soil Type, and Matric Potential on Proliferation and Survival of *Fusarium oxysporum* f. sp. *erythroxyli* from *Erythroxylum coca* D. R. Fravel, S. K. Stosz, and R. P. Larkin
- 272 Survival of *Phellinus noxius* in Soil and in the Roots of Dead Host Plants T. T. Chang
- 283 A Multivariate Analysis of Pathogenic Variation in *Colletotrichum gloeosporioides* Infecting the Tropical Pasture Legume, *Stylosanthes scabra* S. Chakraborty, M. R. Thomas, and N. Ellis

- 290 Effects of Month of Inoculation on Severity of Disease Caused by *Phytophthora* spp. in Apple Root Crowns and Excised Shoots G. T. Browne and S. M. Mircetich

ETIOLOGY

- 253 Differentiation Among Garlic Viruses in Mixed Infections Based on RT-PCR Procedures and Direct Tissue Blotting Immunoassays T. Tsuneyoshi and S. Sumi

GENETICS

- 241 Hierarchical Analysis of Spatial Variation of the Rice Bacterial Blight Pathogen Across Diverse Agroecosystems in the Philippines E. Y. Ardales, H. Leung, C. M. Vera Cruz, T. W. Mew, J. E. Leach, and R. J. Nelson
- 311 Analysis of the Genetic Relationships Among the Wheat Bunt Fungi Using RAPD and Ribosomal DNA Markers Y. L. Shi, P. Loomis, D. Christian, L. M. Carris, and H. Leung

MOLECULAR PLANT PATHOLOGY

- 260 Pathogenicity of Mutants of *Erwinia carotovora* subsp. *carotovora* Deficient in Aerobactin and Catecholate Siderophore Production C. T. Bull, S. R. Carnegie, and J. E. Loper
- 301 Phenotypic Changes Associated with Wild-Type and Mutant Hypovirus RNA Transfection of Plant Pathogenic Fungi Phylogenetically Related to *Cryphonectria parasitica* B. Chen, C.-H. Chen, B. H. Bowman, and D. L. Nuss

Cover: Transmission electron micrograph showing penetration from the *Heterodera glycines* cyst cavity through the cyst wall by *Verticillium chlamydosporium*. (From Chen and Dickson, 319)