

Phytopathology

An International Journal of the American Phytopathological Society

VOLUME 86, NUMBER 5 MAY 1996

BIOLOGICAL CONTROL

- 428 Effect of Pathogen Inoculum, Antagonist Density, and Plant Species on Biological Control of Phytophthora and Pythium Damping-off by *Bacillus subtilis* Cot1 in High-Humidity Fogging Greenhouses F. Berger, H. Li, D. White, R. Frazer, and C. Leifert
- 464 Dose-Response Models in Biological Control of Plant Pathogens: An Empirical Verification E. Montesinos and A. Bonaterra
- 473 Ecological Diversity, Niche Overlap, and Coexistence of Antagonists Used in Developing Mixtures for Biocontrol of Postharvest Diseases of Apples W. Janisiewicz
- 528 Spontaneous Transfer of the Ti Plasmid of *Agrobacterium tumefaciens* and the Nopaline Catabolism Plasmid of *A. radiobacter* Strain K84 in Crown Gall Tissue B. Vicedo, M. J. López, M. J. Asfns, and M. M. López

BIOCHEMISTRY AND CELL BIOLOGY

- 434 Mycoparasitism of the Extramatrical Phase of *Glomus intraradices* by *Trichoderma harzianum* A. Rousseau, N. Benhamou, I. Chet, and Y. Piché
- 485 Induction of Systemic Resistance in Plants Against Viruses by a Basic Protein from *Clerodendrum aculeatum* Leaves H. N. Verma, S. Srivastava, Varsha, and D. Kumar

DISEASE CONTROL AND PEST MANAGEMENT

- 444 Effects of Green Manures on Verticillium Wilt of Potato J. R. Davis, O. C. Huisman, D. T. Westermann, S. L. Hafez, D. O. Everson, L. H. Sorensen, and A. T. Schneider
- 502 Mixed Genotypes Combined with Copper Sprays to Manage Bacterial Spot of Bell Peppers C. S. Kousik, D. C. Sanders, and D. F. Ritchie

ECOLOGY AND EPIDEMIOLOGY

- 480 Potato Late Blight Forecasting Models for the Semiarid Environment of South-Central Washington D. A. Johnson, J. R. Alldredge, and D. L. Vakoch
- 509 Ascospores of *Monosporascus cannonballus*: Germination and Distribution in Cultivated and Desert Soils in Arizona M. E. Stanghellini, D. H. Kim, and S. L. Rasmussen

ETIOLOGY

- 535 Different Tomato Bushy Stunt Virus Strains That Cause Disease Outbreaks in Solanaceous Crops in Spain M. Luis-Arteaga, E. Rodríguez-Cerezo, A. Fraile, E. Sáez, and F. García-Arenal

GENETICS

- 454 Selective Influence of Wheat Cultivars on Pathogenicity of *Mycosphaerella graminicola* (Anamorph *Septoria tritici*) H. U. Ahmed, C. C. Mundt, M. E. Hoffer, and S. M. Coakley
- 459 Chromosomal Location of a Gene Conditioning Insensitivity in Wheat to a Necrosis-Inducing Culture Filtrate from *Pyrenophora tritici-repentis* J. D. Faris, J. A. Anderson, L. J. Francel, and J. G. Jordahl
- 543 Use of Taxon-Specific Competitive-Priming PCR to Study Host Specificity, Hybridization, and Intergroup Gene Flow in Intersterility Groups of *Heterobasidion annosum* M. Garbelotto, A. Ratcliff, T. D. Bruns, F. W. Cobb, and W. J. Otrosina

MOLECULAR PLANT PATHOLOGY

- 515 Polymerase Chain Reaction-Based Assays for Species-Specific Detection of *Fusarium culmorum*, *F. graminearum*, and *F. avenaceum* A. G. Schilling, E. M. Möller, and H. H. Geiger
- 523 Molecular Characterization of Slow-Growing Orange and Key Lime Anthracnose Strains of *Colletotrichum* from Citrus as *C. acutatum* A. E. Brown, S. Sreenivasaprasad, and L. W. Timmer

RESISTANCE

- 498 Systemic Acquired Resistance and Susceptibility to Root-Knot Nematodes in Tomato J. L. Ogallo and M. A. McClure

TECHNIQUES

- 493 Single-Tube, Nested PCR for the Diagnosis of *Polymyxa betae* Infection in Sugar Beet Roots and Colorimetric Analysis of Amplified Products E. S. Mutasa, D. M. Chwarszczynska, and M. J. C. Asher

Cover: *Perithecia* and ascospores of *Monosporascus cannonballus* on cantaloupe. Top: *Perithecia* in the cortex of a feeder root of a cantaloupe plant. Bottom, left: Ascospores released from a perithecium in a root. Bottom, right: Perithecium and discharged ascospores in culture. (From Stanghellini et al., 509)