

Southern Division of the American Phytopathological Society
85th Annual Meeting Program
February 3-4, 2008
Adam's Mark Hotel and Convention Center, Dallas, Texas

Sunday afternoon: February 3, 2008

12:00-4:00 Registration (City View Room 8)

1:00-1:10 Welcome – Chris Clark, SDAPS President (City View Room 8)

SYMPOSIUM: Extension and Research in the 21st Century – Modern Approaches to New Challenges - Kenny Seebold presiding (City View Room 8)

1:10-1:35 "Nucleic-Acid Based Pathogen Detection in Applied Plant Pathology: Some Applications and Considerations." Paul Vincelli, Extension Professor, Plant Pathology Department, University of Kentucky, Lexington, KY 40546.

1:35-2:00 "Cooperative Efforts Between Extension and Research Counterparts Regarding Pathological Issues of Commercial Vegetables in Georgia." David Langston, Associate Professor and Extension Specialist, Department of Plant Pathology, The University of Georgia, Tifton, GA 31793.

2:00-2:25 "The use of basic and applied research to meet producer needs: managing existing and emerging fungicide resistance in *Monilinia fructicola*." Guido Schnabel, Associate Professor, Dept. of Entomology, Soils, and Plant Sciences, Clemson University, Clemson, SC 29634.

2:25-2:50 "Remote Sensing for Disease Measurement." Karl Steddom, Assistant Professor and Extension Specialist, Department of Plant Pathology, Texas A&M University, Overton, TX 75684.

2:50-3:00 Discussion

3:00-3:15

Break

Student presentations, Part I – Craig Rothrock, SDAPS Past-President,
presiding (City View Room 8)

- 3:15-3:30 Evaluation of day versus night fungicide sprays for the control of peanut diseases. J. AUGUSTO (1), T.B. Brenneman (1), P. Sumner (2), A.K. Culbreath (1), A.S. Csinos (1), (1) Dept. Plant Pathology and (2) Dept. Biological and Agricultural Engineering, University of Georgia, Tifton, GA 31793.
- 3:30-3:45 Root development and water use efficiency of hard red winter wheat infected with *Wheat streak mosaic virus*. J.A. PRICE and C.M. Rush. Texas Agricultural Experiment Station, Amarillo TX 97106.
- 3:45-4:00 Molecular and biological properties of a putative partitivirus from jalapeno pepper (*Capsicum annuum*). D.L. GUTIERREZ, R.A. Valverde, Dept. of Plant Pathology and Crop Physiology, Louisiana State University Agricultural Center, Baton Rouge, LA 70803.
- 4:00-4:15 Fungicide resistance and host specificity of *Pseudoperonospora cubensis*, causal agent of cucurbit downy mildew. S.J. COLUCCI and G.J. Holmes, Department of Plant Pathology, North Carolina State University, Raleigh, NC 27695.
- 4:15-4:30 Baseline sensitivity of *Fusicladium effusum* to thiophanate-methyl, dodine, fentin hydroxide, and propiconazole using a microtiter plate assay. M. SEYRAN, K.L. Stevenson, and T.B. Brenneman, Dept. of Plant Pathology, University of Georgia, Tifton 31793.
- 4:30-4:45 Determination of the optimal temperature for infection of creeping bentgrass roots by *Pythium volutum*. J.P. KERNS and L.P. Tredway, Dept. of Plant Pathology, NCSU, Raleigh, NC 27695.
- 4:45-5:00 Novel SNP markers reveal haplotype diversity in field populations of *Phytophthora capsici* and interspecific hybrids of *P. capsici* and *P. tropicalis*. R.S. DONAHOO and Kurt Lamour, University of Tennessee, Knoxville, TN.
- 5:30-6:30 **SDAPS Executive Committee Meeting** (City View Room 3)
- 3:30-5:00 **SAAS Opening and General Session** (Dallas Ballroom A3)
- 5:00–10:00 **SAAS Reception & Super Bowl Party** (Dallas Ballroom B/C)

Monday, February 4, 2008

8:00-11:30 Registration (City View Room 8)

8:00 Announcements – Chris Clark, SDAPS President (City View Rm 8)

Student presentations, Part II – Craig Rothrock, SDAPS Past-President, presiding (City View Room 8)

8:00-8:15 Distribution and stability of a new race of *Phytophthora nicotianae*, the causal agent of black shank of tobacco, in NC. C.A. GALLUP (1), K.L. Ivors (1), and H.D. Shew (1), (1) Plant Pathology, NC State University, Raleigh NC 27695.

8:15-8:30 Role of microbial communities on the occurrence of peanut soil-borne pathogens among different cropping sequences. H. SUDINI, K. Bowen, R. Huettel, Dept. of Entomology and Plant Pathology, Auburn University, AL 36849.

8:30-8:45 Relationships between preharvest conditions and increased susceptibility of sweetpotatoes to *Rhizopus* soft rot and bacterial soft rot in Louisiana and North Carolina. B.A. EDMUNDS (1), C.A. Clark (2), and G.J. Holmes (1), D.M. Ferrin (2), (1) North Carolina State University, Department of Plant Pathology; (2) LSU AgCenter, Department of Plant Pathology and Crop Physiology.

8:45-9:00 Isolation of *Xylella fastidiosa* from seven grape varieties in a Texas vineyard. C.P. TORRES and D. N. Appel, Dept. of Plant Pathology & Microbiology, Texas A&M University, College Station, TX 77843.

9:00-9:15 “Going against the grain,” maize 13-lipoxygenase mutants are more resistant to *Aspergillus flavus* and *Colletotrichum graminicola*. S.A. CHRISTENSEN and M.V. Kolomiets, Dept. of Plant Pathology and Microbiology, Texas A&M University, College Station, TX 77843.

9:15-9:30 Two closely related lipoxygenase genes have distinct roles in the regulation of mycotoxin and conidia production by *Aspergillus flavus* in maize seed. Y.S. PARK and M.V. Kolomiets, Dept. of Plant Pathology and Microbiology, Texas A&M University, College Station, TX 77843.

9:30-9:45 **Break**

Contributed papers – David Langston, presiding (City View Room 8)

- 9:45-10:00 Assessment of pyraclostrobin in production of corn, soybeans, and cotton in Georgia. R.C. KEMERAIT, Sanders, H., Clark, J., Duffie, W., Ethredge, J., Lee, G., and Parker, W, The University of Georgia, Tifton, GA 31793.
- 10:00-10:15 STAMINA™, A new strobilurin seed treatment fungicide that increases tolerance to low temperature stress. M.C. PAGANI, H.L. Ypema, J.S. Barnes, C. Lindholm, BASF Corp., Research Triangle Park, NC 27709.
- 10:15-10:30 Do foliar applications of fungicides benefit corn production in the Mid-South? G.B. PADGETT (1), D. Lanclos (2), M.A. Purvis (1), and C.A. Hollier (3), (1) Macon Ridge Res. Station, LSU AgCenter, Winnsboro, LA 71295; (2) Dean Lee Res. Station, LSU AgCenter, Alexandria, LA 71302; (3) Dept. of Plant Pathology and Crop Physiology, Louisiana State University, Baton Rouge, LA 70803.
- 10:30-10:45 Cultivar and fungicide effects on Pythium leak of snap bean. J.P. DAMICONE (1), J. D. Dominiak-Olson (1), and B.A. Kahn (2), (1) Dept. of Ento. & Plant Path.; (2) Dept. of Hort. & L.A., Oklahoma State Univ., Stillwater, OK 74078.
- 10:45-11:00 Effect of the surfactant Affinity™ on the delivery of a biological nematicide, *Paecilomyces lilacinus*, into the soil profile. J.E. McGehee and K.L. ONG, Department of Plant Pathology and Microbiology, Texas A&M University, TX.
- 11:00-11:15 Research and extension activities monitoring the health of the urban forest in New Orleans, LA, two years post-Hurricane Katrina. D. J. COLLINS, Y. Qi, K. Abdollahi, Z. Ning, J. Preuett, F. Namwamba, and A. Johnson, Urban Forestry Program, Southern University College of Agricultural Family and Consumer Sciences, and Southern University Agricultural Research and Extension Center, Baton Rouge, LA 70813.
- 11:15- 11:30 Isolates of *Fusarium* spp. are a potential hazard to dogwood production systems. L. SANTAMARIA and M.T. Mmbaga, Tennessee State University, Otis Floyd Nursery Res. Center, McMinnville, TN 37110.
- 11:30-11:45 Distribution of *Iris yellow spot virus* in Georgia. C. NISCHWITZ, R. Gitaitis and S.W. Mullis, University of Georgia, Coastal Plain Experiment Station, Dept. of Plant Pathology, Tifton, GA 31794.

- 11:45 **Lunch** (on your own)
- 12:00-1:00 **Graduate Student Luncheon** (Majestic Boardroom 9), by invitation only

Contributed papers – Bob Kemerait, presiding (City View Room 8)

- 1:30-1:45 Presence of *Xylella fastidiosa* in Oklahoma. D.L. SMITH, J. Dominiak-Olson, P. Mulder, and S. vonBroembsen, Dept. Ento. and Plant Path., OK State University, Stillwater, OK, 74078.
- 1:45-2:00 Comparative epidemiology of Pierce's disease in grape varieties in Texas. D.N. APPEL, C.P. Torres, Dept. of Plant Pathology and Microbiology, Texas A&M University, College Station, TX 77845.
- 2:00-2:15 Persistence of Phytophthora blight in the Texas High Plains. R.D. FRENCH-MONAR (1) and T. Isakeit (2), (1)Dept. of Plant Path. & Microbiol, Texas A&M AREC, Amarillo, TX 79106, (2)Dept. of Plant Path. & Microbiol., Texas A&M University, College Station, TX 77843.
- 2:15-2:30 Phytophthora root rot - a new disease of cabbage in Kentucky. K.W. SEEBOLD , E. Dixon, and P. Vincelli, University of Kentucky, Plant Pathology Dept., Lexington, KY 40546.
- 2:30-2:45 Infection of sesame seed by *Alternaria tenuissima*. J.E. WOODWARD (1), C. Nu (1), R.J. Wright (1), and B.M. Pryor (2), (1) Dept. of Plant & Soil Science, Texas Tech University, Lubbock, TX 79409; (2) Dept of Plant Sciences, University of Arizona, Tucson, AZ 85721.
- 2:45-3:00 Infection of two *Ipomoea* spp. by *Sclerotinia minor*. M.A. BATLA (1), J.E. Woodward, P.A. Dotray (1), and T.A. Baughman (2), (1) Dept. of Plant & Soil Science, Texas Tech University, Lubbock, TX 79409; (2) Dept. of Soil & Crop Sciences, Texas A&M University, Vernon, TX 76384.
- 4:00-5:00 **SDAPS Business Meeting**, Chris Clark, SDAPS President, presiding (City View Room 8)
- 6:00-9:00 **SDAPS Social (cash bar) and Southern Division deBary Bowl** (Press Club)