

Southern Division of the American Phytopathological Society
84th Annual Meeting Program
February 4-5, 2007
Mobile Convention Center, Mobile, Alabama

Sunday afternoon: February 4, 2006

- 12:00-4:00 Registration (Concourse Lobby Area, Mobile Convention Center)
- 1:00-1:10 Welcome – Craig Rothrock, SDAPS President (Meeting Room 204 A, Mobile Convention Center)

SYMPOSIUM: The Future of Mycological Research in the Southern Division of APS, Chris Clark, presiding

- 1:10-1:30 "Bridging extension and research activities with Phytophthora" Kelly L. IVORS, Assistant Professor and Extension Specialist, NC State University, Mountain Hort. Crops Research & Extension Center.
- 1:30-1:50 "*Phytophthora capsici* - Foe of the vegetable producer, friend of the Oomycete geneticist" KURT LAMOUR, Assistant Professor, Department of Entomology and Plant Pathology, The University of Tennessee Institute of Agriculture.
- 1:50-2:10 Accessing Fungal Pathosystems with New Tools. S.M. MAREK Entomology and Plant Pathology, Oklahoma State University, Stillwater, OK 74074
- 2:10-2:30 "Characterization of an aflatoxin resistance-associated protein from maize." ZHI-YUAN CHEN (1), Robert L. Brown (2), Kenneth E. Damann (1), and Thomas E. Cleveland (2). (1) Department of Plant Pathology and Crop Physiology, Louisiana State University Agricultural Center, Baton Rouge, LA 70803; (2) Southern Regional Research Center, USDA-ARS, New Orleans, LA 70179.
- 2:30-2:50 Molecular characterization of a multi-modular protein Fsr1 in *Fusarium verticillioides* that functions in maize stalk rot pathogenesis. WON-BO SHIM. Department of Plant Pathology and Microbiology, Texas A&M University, College Station, TX77843-2132
- 2:50-3:00 Discussion

3:00-3:15 **Break**

Student presentations – Tim Brenneman, SDAPS Past-President, presiding

- 3:15-3:30 Reduced environmental impact of fertilizers using PGPR. A.O.ADESEMOYE (1), J.W.Kloepper (1), and H.A.Torbert (2). (1) Dept. Ent & Plant Pathology, Auburn University, AL 36849 (2) USDA Soil Dynamics Laboratory, Auburn, AL 36849.
- 3:30-3:45 Accounting for fungal spore inocula on detached leaves of strawberry for fungicide screening. M. ABRIL (1), K.J. Curry (1), and B.J. Smith (2). (1) The University of Southern Mississippi, Hattiesburg, MS 39406; (2) USDA-ARS Southern Horticultural Laboratory, Poplarville, MS 39470.
- 3:45-4:00 *Phytophthora cinnamomi* isolate identification for development of a greenhouse screening technique for identifying resistant blueberry (*Vaccinium* sp.) germplasm. M. MILLER-BUTLER (1), K.J. Curry (1), B.J. Smith (2). (1) University of Southern Mississippi, Hattiesburg, MS 39406; (2) USDA-ARS Southern Horticultural Laboratory, Poplarville, MS 39470.
- 4:00-4:15 Characterization of the antifungal properties and biological range of 7,10,12-trihydroxy-8(E)-octadecenoic acid (TOD). T. B. HATCHETT (1), J. COFIELD, (2) K. S. LAWRENCE(1), & SANG-JIN SUH(2) (1)Auburn University Dept. of Entomology & Plant Pathology& (2) Auburn University Department of Biological Sciences, Auburn, AL 36849.
- 4:15-4:30 Screening Peanut Germplasm for Resistance to *Cylindrocladium parasiticum*. J.N. WILSON (1), T.A. WHEELER (2) M.C. Black (3). (1) Department of Plant and Soil Science, Texas Tech University, Lubbock TX 79409; (2) Texas Agriculture Research and Extension Center, Lubbock, TX 79403; (3) Texas Agriculture Research and Extension Center, Uvalde, TX 78801.
- 4:30-4:45 Evaluation of resistance to *Cylindrocladium parasiticum* in peanut in naturally infested or inoculated fields, and in the greenhouse. W. B. DONG (1), T. B. Brenneman (1), C. C. Holbrook (2), and A. K. Culbreath (1). (1) Dept. of Plant Pathology, University of Georgia, Tifton, GA 31793; (2) USDA-ARS, Coastal Plain Exp. Stn. Tifton, GA 31793.
- 5:30-6:30 **SDAPS Executive Committee Meeting**
(Oakleigh Suite, Riverview Plaza Hotel)

3:30-5:00 **SAAS Opening and General Session and Symposium** (West Ballroom, Mobile Convention Center)

5:00–till **SAAS's Super Bowl Party/Reception (Social Hour/Cash Bar from 5:00 pm to 6:00 pm)**
(East and West Ballroom, Mobile Convention Center)

Monday, February 5, 2006

8:00-11:30 Registration (Concourse Lobby Area, Mobile Convention Center)

8:00 Announcements – Craig Rothrock, SDAPS President (Meeting Room 204 A, Mobile Convention Center)

Contributed papers – Craig Canaday, presiding

8:00-8:15 Infection of longleaf pine seedlings with *Cronartium quercuum* f. sp. *fusiforme*. C.H. WALKINSHAW. U.S. Forest Service, Pineville, LA

8:15-8:30 Effects of microbial inoculants on soil microbial activity, bacterial populations, and diseases suppressiveness. M. BURKETT-CADENA (1), N. Kokalis-Burelle (2), K. Lawrence(1), J.W. Kloepper (1). (1) Dept. of Entomology and Plant Pathology, Auburn University, AL 36849; (2) USDA-ARS, Ft. Pierce, FL 34945

8:30-8:45 Fern distortion syndrome: a newly described disease of Leatherleaf fern. J.W. KLOEPPER (1), H.A. Mills (2), F. Saborío (3), and E. Bustamante (4). (1) Dept. Entomology and Plant Pathology, Auburn University, Auburn, AL 36849; (2) MMI Labs, Athens, GA 30607; (3) Centro de Investigaciones Agronómicas, Universidad de Costa Rica; (4) San José Costa Rica.

8:45-9:00 Changes in rhizosphere bacterial communities of Leatherleaf fern affected by fern distortion syndrome and treated with the systemic fungicide, Benlate. RAMÍREZ, C., Liles, M., and Kloepper, J.W. Auburn University, Auburn, AL 36849.

9:00-9:15 The influence of exogenous nutrients on the abundance of yeasts on the phylloplane of tall fescue. S. Nix-Stohr, L.L. Burpee, J.W. Buck. Dept. of Plant Pathology, University of Georgia, Griffin, GA 30223

9:15-9:30 Effects of a SAR inducer, cultivar, and plant growth-promoting rhizobacteria (PGPR) on foliar and fruit diseases of tomato and on marketable yields. C.H. CANADAY, Dept. of Entomology and Plant Pathology, University of Tennessee, WTREC, Jackson, TN 38301.

9:30-9:45 Soybean cyst nematode reproduction related to tillage and rhizosphere microorganisms. I. ABDI (1), P.A. Donald (1), D. Tyler (2). (1) USDA ARS, CGRPU, Jackson, TN 38301; (2) BEES, University of Tennessee, Jackson, TN 38301.

9:45-10:00 Break

Contributed papers – Barbara Smith, presiding

10:00-10:15 Cultural practices and chemical treatments affect Phytophthora root rot severity of blueberries grown in south Mississippi. BARBARA J. SMITH, USDA-ARS, Small Fruit Research, P.O. Box 287, Poplarville, MS 39470

10:15-10:30 Effects of four commercial peanut seed treatments on plant stand, diseases, and pod yield. T. B. BRENNEMAN, Dept. Plant Pathology, University of Georgia, Tifton, GA 31794.

10:30-10:45 Evaluation of seed treatments, cultural practices, and fungicide sprays to control ashy stem blight of snap bean. C.H. CANADAY, Dept. of Entomology and Plant Pathology, University of Tennessee, WTREC, Jackson, TN 38301.

10:45-11:00 Rate and intervals of hydrogen dioxide applications to control *Puccinia hemerocallidis* on daylily. W. E. COPES, USDA/ARS Southern Horticultural Laboratory, Poplarville, MS 39470

11:00-11:15 Management of target spot on burley tobacco with azoxystrobin. K.W. SEEBOLD (1) and G.K. Palmer (2). (1) University of Kentucky, Plant Pathology Dept. and (2) University of Kentucky, Dept. of Plant and Soil Sciences, Lexington KY, 40546.

12:00-1:00 **Graduate Student Luncheon** (Prefunction/Registration area on the Exhibit Hall Level, southeast corner, Mobile Convention Center), by invitation only

Contributed papers – Jason Woodward, presiding

1:15-1:30 Evaluation of commercial watermelon rootstocks for tolerance to Phytophthora blight. C.S. KOUSIK (1) and Richard Hassell (2) (1)USDA, ARS, U.S. Vegetable Laboratory, Charleston, SC. (2) Clemson University, CREC. Charleston, SC.

- 1:30-1:45 Evaluation of Rhizoctonia diseases on peanut cultivars and advanced breeding lines in West Texas. J. E. WOODWARD (1), and T. A. Baughman (2). (1) Dept. of Plant Pathology and Microbiology, Texas A&M University, Lubbock, TX 79403; (2) Dept. of Soil and Crop Sciences, Texas A&M University, Vernon, TX 76384.
- 1:45-2:00 Sentinel plot monitoring and comparison of Asian soybean rust development in Georgia in 2005 and 2006. L. E. SCONYERS (1), R. C. Kemerait, Jr. (1), D. V. Phillips (2), and P. H. Jost (3). Dept. of Plant Pathology, University of Georgia, (1) Tifton, GA 31793, (2) Griffin, GA 30223; (3) Dow AgroSciences, Statesboro, GA 30458.
- 2:00-2:15 Management of Asian soybean rust in Georgia with fungicides. R.C. KEMERAIT (1) and L.E. Sconyers (1) and P.H. Jost (2). (1) Dept. of Plant Pathology, The University of Georgia, Tifton, GA 31794; (2) Dow Agrosiences, Statesboro, GA 30458.
- 2:15-2:45 Break

Contributed papers – Pamela Roberts, presiding

- 2:45-3:00 Mustard Cover Crop for Management of Tobacco Black Shank. A.S. CSINOS, L.L. Hickman, L. Mullis. Dept. Plant Pathology, University of Georgia, Tifton, GA 31793.
- 3:00-3:15 Management of whitefly populations for the control of watermelon vine decline in Florida. P.D. ROBERTS(1), P.A. Stansly(2), S.A. Adkins (3), C.S. Kousik (4), and B. Bruton (5) (1) University of Florida, Department of Plant Pathology, SWFREC, Immokalee, FL. (2) University of Florida, Department of Entomology & Nematology, Immokalee, FL. (3) United States Department of Agriculture-ARS, USHRL, Fort Pierce, FL. (4) US Vegetable Lab, USDA, Charleston, SC. (5) United States Department of Agriculture-ARS, Lane, Oklahoma.
- 3:15-3:30 Distribution of *Iris yellow spot virus* in onion leaves. C. NISCHWITZ(1), S. Mullis(1), R. Torrance(2), D. Langston Jr.(3), A. Sparks(3) and R. Gitaitis(1) (1)Dept. of Plant Pathology, Univ. Georgia, Tifton, GA 31793; (2)UGA-CES, Reidsville, GA 30453; and (3)UGA-CES, Tifton, GA 31793
- 3:30-3:45 A tospovirus in the sweetpotato virus complex. C. A. CLARK and M. W. Hoy, Dept. Plant Pathology & Crop Physiology, Louisiana State Univ. AgCenter, Baton Rouge, 70803-1720.

4:00-5:00 **SDAPS Business Meeting**, Craig Rothrock, SDAPS President,
presiding

6:00-9:00 **SDAPS Social (cash bar) and Southern Division deBary Bowl**
(Mobile Convention Center, Meeting Room 204 A)