Southern Division of the American Phytopathological Society
2006 Meeting Program
Wyndham Orlando Resort
Orlando, Florida

Sunday afternoon: February 5, 2006

12:00-4:00 p.m. Registration (Palms Ballroom Foyer)

12:50-1:00 Welcome – Tim Brenneman, SDAPS President (Magnolia)

Symposium: Status and detection of invasive species - Craig Rothrock, presiding

1:00-1:15 **How entomologists respond to invasive species.** Lance Osborne, Dept. of Entomology and Nematology, University of Florida - IFAS, Apopka, FL.

1:15-1:30 **Overview of the Asian soybean rust sentinel network for 2005**. D. E. HERSHMAN (1) and L. J. Giesler (2). (1) Dept. of Plant Pathology, University of Kentucky, Princeton, KY 42445; (2) Dept. of Plant Pathology, University of Nebraska, Lincoln, NE 68583.

1:30-1:45 **Asian soybean rust: Syngenta spore trap project**. J.C. RUPE (1), M. D. Wiglesworth (2), S. Smith, (1) and S. Wickizer, (1). (1) University of Arkansas, Fayetteville, AR; (2) Syngenta Crop Protection, Greensboro, NC.

1:45-2:00 **Detection of Asian soybean rust using PCR.** P. F. HARMON. Dept. of Plant Pathology, Univ of Florida, Gainesville, FL 32611.

2:00-2:15 **Assessment of fungicide programs for management of Asian soybean rust in Georgia.** R.C. KEMERAIT(1), L.E. Sconyers (1), P.H. Jost (3), J.M. Kichler (4), and D.V. Phillips (2). Dept. of Plant Pathology, University of Georgia, (1) Tifton, GA 31793; (2) Griffin, GA 30223; (3) Dept. of Crop and Soil Science, University of Georgia, Statesboro, GA 30460; (4) Cooperative Extension Service, University of Georgia, Oglethorpe, GA.

2:15-2:30 ***Phytophthora ramorum,* a forest pathogen changing the west coast landscape: Where next?** Mike Benson. Dept. of Plant Pathology, North Carolina State University, Raleigh, NC 27695

2:30-245 Discussion

2:45-3:00 **Break**

Student presentations – Mike Benson, SDAPS Past-President, presiding

3:00-3:15 **Impacts occurring on North Carolina packing lines and their effect on weight loss and Rhizopus soft rot in sweetpotato**. B.A. EDMUNDS and G.J. Holmes. Dept. of Plant Pathology, North Carolina State University, Raleigh NC 27695.

3:15-3:30 **Development of a bioassay to quantify fungicide residues on peanut foliage.** J.E. WOODWARD and T.B. Brenneman. Dept. of Plant Pathology, Univ. of Georgia, Tifton, GA 31793.

3:30-3:45 **Occurrence of race 4 of *Phytophthora nicotianae* in tobacco.** C.A. GALLUP (1), M.J. Sullivan (1), W.C. Nesmith (2), and H.D. Shew (1). (1) Plant Pathology, NC State Univ, Raleigh NC 27695; (2) Univ of Kentucky, Lexington, KY.

3:45-4:00 **Sporulation of *Alternaria alternata*, the cause of brown spot of tangerine as affected by lesion age and fungicide application**. R.F. REIS (1), A. de Goes (1), S.N. Mondal (2), and L.W. Timmer (2). (1) São Paulo State University, Jaboticabal, SP 14884, Brazil; (2) University of Florida, Citrus Research and Education Center, Dept. of Plant Pathology, Lake Alfred, FL 33850 USA.

4:00-4:15 **Single- and multiple-year effects of soil solarization on population density of soilborne microorganisms in South Carolina.** S.M.C. NJOROGE (1), J.E. Toler (2), and A.P. Keinath (1). Clemson Univ., (1) Coastal REC, Charleston, SC 29414; (2) Dept. of Appl. Econ. & Stat., Clemson, SC 29634.

4:15-4:30 **Effect of field resistance to the soybean cyst nematode on soybean sudden death syndrome development and yield components.** S.L. GIAMMARIA and J.C. Rupe. Department of Plant Pathology, University of Arkansas, Fayetteville, AR 72701.

4:30- 4:45 **Heat Stable Antibacterial Agents from Shiitake Mushroom.** A.K. BRAR and R.P. Pacumbaba. Department of Plant and Soil Science, Alabama A & M University, Normal, AL 35762.

4:45-5:00 **Molecular and biochemical characterizations of elsinochrome toxins produced by *Elsinoe fawcettii* causing citrus scab.** H.-L. LIAO and K.-R. Chung. Citrus Research and Education Center and Department of Plant Pathology, University of Florida, Lake Alfred, FL 33850.

5:00-5:15 **Genetic diversity of Tennessee *Sclerotinia homoeocarpa* isolates delineated by vegetative compatibility and AFLP analysis.** R.E. DEVRIES (1), R.N. Trigiano (1), M.T. Windham (1), A. Windham (1), and T.A. Rinehart (2). (1) University of Tennessee, Dept. of Entomology and Plant Pathology, Knoxville, TN 37996; (2) USDA/ARS, Southern Horticultural Laboratory, Poplarville, MS 39470.

5:30-6:30 SDAPS Executive Committee Meeting (Executive Boardroom)

4:00-6:00 **SAAS Opening and General Session and Symposium** (Orange and Lemon)

6:30–8:30 **SAAS Reception** (Poolside Pavilion and Pool area)

Monday, February 6, 2006

8:00-11:30 a.m. Registration (Palms Ballroom Foyer)

8:00 Announcements - Tim Brenneman, SDAPS President (Magnolia)

Contributed papers – Bob Kemerait, presiding

8:00-8:15 **Can solarization match methyl bromide fumigation in sites colonized by fungi?** R. MCSORLEY (1), K.-H. Wang (1), and S.K. Saha (2). (1) Dept. Entomology and Nematology, (2) Horticultural Sciences Dept., University of Florida, Gainesville, FL 32611.

8:15-8:30 **Distribution of methyl isothiocyanate (MITC) in Vapam-treated plastic-mulched sandy soil beds.** B.L. CANDOLE (1), A. S. Csinos, (1) and D. Wang (2). (1) University of Georgia, Tifton, GA; (2) University of Minnesota, St. Paul, MN.

8:30-8:45 **Incidence of damping-off in soils solarized and planted single or multiple years in South Carolina.** S.M.C. NJOROGE (1), J.E. Toler (2), and A.P. Keinath (1). Clemson Univ. (1) Coastal REC, Charleston, SC 29414; (2) Dept. Appl. Econ. & Stat., Clemson, SC 29634.

8:45-9:00 **Managing mefenoxam-tolerant isolates of *Phytophthora capsici* on bell peppers.** C.S. KOUSIK. U.S. Vegetable Laboratory, USDA-ARS, Charleston, SC 29414.

9:00-9:15 **Effects of zoxamide and dimethomorph on production and germination of zoospores of *Phytophthora capsici*.** A.P. KEINATH and P. McLaughlin. Clemson University, Coastal REC, Charleston, SC 29414.

9:15-9:30 **Pathogenicity of a diverse group of isolates of *Phytophthora capsici* from Florida on four main vegetable crops.** R.D. FRENCH-MONAR, D.C. Schultz, and P.D. Roberts. Plant Pathology Department, IFAS-SWFREC, University of Florida, Immokalee, FL 34142.

9:30-9:45 **Sentinel plot and commercial field monitoring of Asian soybean rust in Georgia in 2005.** L.E. SCONYERS (1), R.C. Kemerait (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) Dept. of Crop and Soil Science, University of Georgia, Statesboro, GA 30460.

9:45-10:00 Break

Contributed papers – Jeff Wilson, presiding

10:00-10:15 **Recovery of *Didymella bryoniae* from melon crown debris**. A.P. KEINATH. Clemson University, Coastal REC, Charleston, SC 29414-5329.

10:15-10:30 **Characterization of watermelon (*Citrullus lanatus* var. *citroides*) germplasm for resistance to root-knot nematodes.** J.A. THIES and A. Levi. U.S. Vegetable Laboratory, USDA-ARS, Charleston, SC 29414.

10:30-10:45 **Variables affecting linear gall growth in fusiform rust-infected loblolly and slash pines.** C.H. WALKINSHAW, USDA Forest Service, Pineville, LA 71360.

10:45-11:00 **Epiphytic bacteria from dogwood leaves show potential in powdery mildew bio-control.** F.A. MREMA, M.T. Mmbaga, and A. Shi. Tennessee State University, Otis L. Floyd Nursery Research Center, McMinnville, TN 37110.

11:00-11:15 **Root-Knot Nematode Resistance in African Pearl Millets.** P. Timper and J. P. WILSON. USDA-ARS, Tifton, GA 31793.

11:15-11:30 **Monitoring Abiotic and Biotic Stressors in Greenhouse Crops Using Color Infrared Imagery.** C.R. LITTLE and K.R. Summy. Dept. Biology, The University of Texas – Pan American, Edinburg, TX 78541.

11:30-11:45	**Microtiter assay shows effectiveness of a natural fungicide for control of *Colletotrichum* spp.** David E. Wedge (1) and Barbara J. Smith (2). (1) USDA-ARS, Natural Products Utilization Research Unit, University, MS, 38677; (2) USDA-ARS Small Fruit Research Station, Poplarville, MS 39470.
11:45-12:00	**Evaluating GAFP as a Genetic Determinant for Disease Tolerance in Woody Plants.** A.K. NAGEL (1), K.D. Cox (1), D.R. Layne (2), and G. Schnabel (1). (1) Dept. Entomology, Soils, and Plant Sciences; (2) Dept. Horticulture, Clemson University, Clemson, SC 29634.
12:00-1:00	**Graduate Student Luncheon** (Ormond), by invitation only

Contributed papers – Monica Elliot, presiding

1:00-1:15	**Pathogenicity of two soil-borne fungi from commercial snapdragon range in Florida**. K.-H. WANG (1), E. Malek (2), and R. McSorley (1). (1) Entomology and Nematology Dept.; (2) Doctor of Plant Medicine Program, University of Florida, Gainesville, FL 32611.
1:15-1:30	***Phytophthora cambivora,* a new dieback pathogen of rhododendron and *Pieris* in North Carolina.** J. Hwang (1), C. Y. Warfield (2), and D. M. BENSON (2). (1) Dept Entomology, Soils, and Plant Sciences, Clemson University, Clemson, SC 29634; (2) Dept Plant Pathology, North Carolina State University, Raleigh, NC 27695
1:30-1:45	**Leaf blight in Dogwood (*Cornus* spp.) caused by *Phytophthora* sp.** MARGARET T. MMBAGA and Frank Mrema. Tennessee State University, Otis Floyd Research Center, McMinnville TN 37110.
1:45-2:00	**Epidemiology of powdery mildew on flowering dogwood in Tennessee.** Y. H. LI (1), M. T. Windham (1), R. N. Trigiano (1), D. C. Fare (2), J. M. Spiers (3), and W. E. Copes (3). (1) Dept. of Entomology and Plant Pathology, University of Tennessee, Knoxville, TN; (2) USDA/ARS Floral & Nursery Plants Research Unit, McMinnville, TN; (3) USDA/ARS Southern Horticultural Research Unit, Poplarville, MS.
2:00-2:15	**New disease of *Syagrus romanzoffiana* (queen palm) in Florida**. M.L. ELLIOTT. Fort Lauderdale Research and Education Center, University of Florida, Fort Lauderdale, FL 33314.
2:15-2:30	**Fungi and bacteria associated with watermelon vine decline in Florida.** P.D. ROBERTS (1), S. Adkins (2), and B.D. Bruton (3). (1) University of Florida, 2686 SR 29 N, Immokalee, FL 34142; (2) USDA-ARS, Ft. Pierce, FL 34945; (3) Lane, OK 74555
2:30-2:45	**New host and location reports for *Tomato spotted wilt virus* (TSWV) and *Iris yellow spot virus* (IYSV).** C. NISCHWITZ, R. D. Gitaitis, A. S. Csinos and S. W. Mullis. University of Georgia, Coastal Plain Experiment Station, Dept. of Plant Pathology, Tifton, GA 31794.
2:45-3:00	**Identification of *Armillaria* species on daylily based on ribosomal ITS and IGS-1 sequences.** K.E. BUSSEY and G. Schnabel. Dept. of Entomology, Soils and Plant Sciences, Clemson University, Clemson, SC 29634.
3:00-3:15	Break

<u>Contributed papers – Tyler Harp, presiding</u>

3:15-3:30	**University of Florida Certificate in Plant Pest Risk Assessment and Managemen**t. R.J. McGovern (1) and N.C. Leppla (2). (1) Plant Medicine Program and Plant Pathology Department; (2) IPM Program and Entomology & Nematology Department, University of Florida, IFAS, CALS, Gainesville, FL 32611.
3:30-3:45	**Mandipropamid: A new fungicide for control of lateblight and downy mildews.** TYLER HARP (1), Gary Cloud (2), Brad Minton (3), and Alex Cochran (4). Syngenta Crop Protection, (1) Vero Beach, FL; (2) Tallahassee, FL; (3) Cypress, TX; (4) Visalia, CA.
3:45-4:00	**Timing Applications of ASM in Tobacco for TSWV Management.** A.S. CSINOS(1), M.G. Stephenson(2), L.L. Hickman(1) and S. Mullis(1), (1)Dept. of Plant Pathology; (2) Crop and Soil Sciences Dept.,University of Georgia, CPES, Tifton, GA 31793.
4:00-4:15	**Use of chlorpyrifos to supplement full- and reduced-input fungicide programs for control of peanut stem rot.** T. B. BRENNEMAN (1) and S. L. Brown (2). (1) Dept. Plant Pathology; (2) Dept. Entomology, University of Georgia, Tifton, GA 31794.
4:5-4:30	**Evaluation of phosphonate fungicides for control of foliar and tuber late blight of potato.** H. MAYTON and W.E. Fry. Dept. Plant Pathology, Cornell University, Ithaca, NY 14853.
4:30-4:45	**The use of Serenade MAX and Sonata in integrated programs to control gummy stem blight and downy mildew in watermelons** H. Brett Highland. AgraQuest Inc., Nokomis, FL 34275.
4:45-5:45	**SDAPS Business Meeting,** Tim Brenneman, SDAPS President, presiding
6:00-9:00	**SDAPS Social (cash bar) and Southern Division deBary Bowl** (Poolside Pavilion)

NOTE -- The SDAPS meeting ends Monday night. An IR4 *Phytophthora capsici* Disease Workshop will be held from 8 a.m to 5 p.m. on Saturday, February 4, in Oleander A. For additional information, contact David Thompson (732-932-9575 x613).