

**Appointment: 100% Extension**

**Requested Action: Promotion to Rank of Associate Professor (with tenure)**

**DONALD M. FERRIN**

Department of Plant Pathology & Crop Physiology

Louisiana State University Agricultural Center

Baton Rouge, Louisiana 70803

***Table of Contents***

<i>Education .....</i>	<i>1</i>
<i>Employment History .....</i>	<i>1</i>
<i>History of Assignments with the Louisiana State University Agricultural Center .....</i>	<i>3</i>
<i>Documentation of Major Program Areas and Initiatives .....</i>	<i>3</i>
<i>Advisory Process and Critical Issue Responsiveness.....</i>	<i>6</i>
<i>Innovative Teaching Methods, Knowledge and Application of New Technology.....</i>	<i>6</i>
<i>Program Delivery Effectiveness Demonstrated by Evaluation, Change and Adoption.....</i>	<i>7</i>
<i>Development and Presentation of Research Based Materials.....</i>	<i>8</i>
<i>Extension Publications (Print and Electronic).....</i>	<i>8</i>
<i>Mass Media, Web Page Development and Maintenance.....</i>	<i>11</i>
<i>Cooperation/Collaboration with Other Faculty.....</i>	<i>13</i>
<i>External Funding, Material Support and Grants.....</i>	<i>14</i>
<i>Refereed Publications.....</i>	<i>15</i>
<i>Presentations at Professional and Clientele Targeted Conferences and Meetings.....</i>	<i>21</i>
<i>Participation and Leadership of Professional Organizations/Committees.....</i>	<i>26</i>
<i>Continued Coursework, In-service Training, Sabbaticals, Professional Involvement.....</i>	<i>31</i>
<i>Participation in Public Policy and Community Issues.....</i>	<i>31</i>
<i>Awards and Recognition.....</i>	<i>31</i>
<i>Multi-institution, Agency and State Collaboration.....</i>	<i>32</i>
<i>Other Scholarly or Creative Activities.....</i>	<i>32</i>
<i>Organizations Advised.....</i>	<i>34</i>
<i>Recruitment of Students and Faculty.....</i>	<i>35</i>
<i>University Service.....</i>	<i>35</i>
<i>Professional Service.....</i>	<i>36</i>
<i>Other External Community Service.....</i>	<i>37</i>

Appointment: 100% Extension

Requested Action: Promotion to Rank of Associate Professor (with tenure)

**DONALD M. FERRIN**  
Department of Plant Pathology & Crop Physiology  
Louisiana State University Agricultural Center  
Baton Rouge, Louisiana 70803

### *Curriculum Vitae*

#### **EDUCATION**

UNIVERSITY OF FLORIDA, Gainesville, Florida  
Doctor of Philosophy, Plant Pathology, May 1985

MICHIGAN STATE UNIVERSITY, East Lansing, Michigan  
Master of Science, Botany and Plant Pathology, December 1976

MICHIGAN STATE UNIVERSITY, East Lansing, Michigan  
Bachelor of Science, Botany and Plant Pathology, August 1974

#### **EMPLOYMENT HISTORY**

**Assistant Professor (Extension Specialist)**, Department of Plant Pathology and Crop Physiology,  
LOUISIANA STATE UNIVERSITY AGRICULTURAL CENTER, Baton Rouge, Louisiana, October 2005 –  
Present

See: History of Assignments with the Louisiana State University Agricultural Center (page 3).

**Staff Research Associate IV**, Department of Plant Pathology, UNIVERSITY OF CALIFORNIA, Riverside,  
California, July 2001 – October 2005

Managed the day-to-day operations of the laboratory, assisted in advising graduate students and conducted basic and applied research on the ecology, epidemiology and management of root rot and vine decline of melons caused by *Monosporascus cannonballus* as well as root diseases caused by zoosporic pathogens in hydroponic systems.

**Plant Pathologist (Diagnostician/Laboratory Manager)**, PACIFIC PLANT HEALTH SERVICES, LLC, Riverside,  
California, January 1997 – May 2001

Served as lab manager, diagnostician and research plant pathologist for a private laboratory that provided plant disease diagnostic and other microbiological and plant pathological related services to the agricultural, horticultural and turf industries of California.

**Research Associate**, Department of Plant Pathology, UNIVERSITY OF CALIFORNIA, Riverside, California, January 1995 – December 1996

Conducted research on fungal diseases of palms, diagnosed diseased plant samples submitted to the lab, and assisted with root health management trials on bananas in Honduras.

**Assistant Professor and Assistant Plant Pathologist**, Department of Plant Pathology, UNIVERSITY OF CALIFORNIA, Riverside, California, October 1986 – June 1994

Conducted research on the etiology, ecology, epidemiology and management of fungal diseases of ornamental crops and the epidemiology of plant diseases, supervised three graduate students, and taught two courses, *Introduction to Plant Pathology* (an upper division undergraduate course) and *Epidemiology of Plant Diseases* (a graduate course). Research activities covered a broad range of topics, diseases, and host plants, including Phytophthora root rots on an array of host plants, rust on carnations and Botryosphaeria branch dieback on native plant species. Most significant research contributions were the identification and characterization of the relative fitness of naturally-occurring metalaxyl-resistant isolates of *P. parasitica* and *P. citricola* from ornamental hosts in southern California and the assessment of population dynamics of *P. parasitica* in relation to fungicide use patterns.

**Post-Doctoral Research Associate**, Department of Plant Pathology, UNIVERSITY OF FLORIDA, Gainesville, Florida, May 1985 – August 1986

Identified and tested species of *Trichoderma* isolated from banana roots for potential as biological control agents for management of *Cylindrocladium* root rot of bananas.

**Graduate Research Assistant**, Department of Plant Pathology, UNIVERSITY OF FLORIDA, Gainesville, Florida, January 1981 – May 1985

Conducted research on the epidemiology of black shank of tobacco caused by *Phytophthora parasitica* var. *nicotianae*, and assisted with various projects on the ecology, epidemiology and management of other soil-borne plant pathogens.

**Plant Protection Manager**, YODER BROS., INC., Alva, Florida, April 1978 – December 1980

Managed the Plant Protection Department; this included two research plant pathologists, a research entomologist, a research horticulturist in the area of plant tissue culture and their supporting staff. Supervised the virus certification program for the identification and maintenance of pathogen-free chrysanthemum stock. Prepared budgets, annual reports, etc., as well as conducted research on diseases of chrysanthemums and improved methods for the detection of viroids in this crop using PAGE (polyacrylamide gel electrophoresis) assays.

**Plant Pathologist**, YODER BROS., INC., Alva, Florida October 1976 – April 1978

Conducted research on the control of Phytophthora and Cylindrocladium root and crown rots of azaleas and assisted in the diagnosis of diseases of ornamental plants.

**Graduate Research Assistant**, Department of Botany and Plant Pathology, MICHIGAN STATE UNIVERSITY, East Lansing, Michigan, June 1974 – October 1976

Conducted research on the epidemiology and control of black rot of grapes caused by *Guignardia bidwellii*. Assisted with fungicide applications and data collection for fungicide tests for the control of black rot of grape and mummy berry disease of blueberries and collection of nematodes for virus transmission studies.

## ***HISTORY OF ASSIGNMENTS WITH THE LOUISIANA STATE UNIVERSITY AGRICULTURAL CENTER***

### **Title(s):**

Assistant Professor, Department of Plant Pathology and Crop Physiology, October 2005 to Present

### **Duties and Responsibilities:**

100% Extension Appointment

Louisiana Cooperative Extension Service, Louisiana State University Agricultural Center

Develop and conduct statewide educational programs in the areas of plant disease identification and management for all horticultural crops (i.e., ornamentals, turf grasses, vegetables, sweet potatoes, fruits, nuts, Christmas trees, and forestry).

Other responsibilities include shared responsibility for the management of the Plant Disease Diagnostic Clinic and the training of county agents; development of producer education programs, pesticide certification and recertification training, Master Gardener Program, field days, and individual farm/home visits; and assistance in the annual production of the Louisiana Plant Disease Management Guide, as well as regular news releases and informational publications.

## ***DOCUMENTATION OF MAJOR PROGRAM AREAS AND INITIATIVES***

**Overview:** For the year 2007, the combined horticulture industries of Louisiana had a gross farm value of \$241.6 million with a value added of \$ 165.4 million for a total value of \$407.0 million. Home gardens accounted for an additional \$136.4 million. The total value of the various commodity groups to the state was \$170.2 million for nursery and ornamental crops, \$136 million for home gardens, \$112.2 million for commercial vegetables, \$47.3 million for sweetpotatoes, \$37.8 million for sod, \$30.5 million for fruit crops, \$5.0 million for pecans, \$2.8 for oilseed crops and \$1.2 million for greenhouse vegetables. Furthermore, it was estimated that in 2001 the impact of the "green" industry on the state was \$2.2 billion in gross sales, \$1.15 billion in personal income, and \$1.69 billion in gross state product (value added) while creating 56,686 jobs. With the exception of sweetpotatoes and pecans, I am currently the only plant pathologist in the state with responsibility for these crops.

My extension program goals are to increase the knowledge of stakeholders (i.e., extension field faculty, commercial producers, landscape maintenance personnel and homeowners) about plant pathogens and the diseases they cause through the development and dissemination of a variety of educational materials; to provide stakeholders with reliable identification of their plant health problems through management of and participation in the Louisiana Plant Disease Diagnostic Clinic and the Louisiana Distance Diagnostic Network; to support the efforts of Extension field faculty and to increase their self reliance relative to plant disease identification and management; and to prevent or reduce losses due to plant diseases by providing up to date disease management recommendations.

### Program Objectives:

- (1) To develop and disseminate educational materials and programs relating to the identification and management of diseases of horticultural crops to increase stakeholder knowledge.
- (2) To oversee the operation of the Plant Disease Diagnostic Clinic and ensure that stakeholders receive timely and accurate identification of plant health problems.
- (3) To provide support for Extension field faculty through training and personal involvement in the areas of plant disease identification, development, and management.
- (4) To provide current information on recommendations for plant disease management for horticultural crops.

**Educational Materials and Programs.** The horticultural industries of Louisiana encompass diverse groups of stakeholders, including Extension field faculty, commercial growers, landscape management personnel, master gardeners, and home gardeners. A variety of educational materials and programs tailored for these audiences have been developed and disseminated. This has been accomplished in part through development of the Louisiana Plant Pathology series of fact sheets and other LSU AgCenter publications, the Disease Image Gallery on the Plant Disease Diagnostic Clinic website and other LSU AgCenter web pages, as well as a variety of presentations made to various commercial grower, turf and landscape, and homeowner groups.

- (1) **Commercial Horticulture Education Programs.** Developed and presented educational materials to commercial fruit, vegetable, and ornamental growers as well as landscape maintenance personnel through public meetings (35)(see pages 20-26) and newsletter articles (14)( see page 11) that have provided updates of new and current diseases of interest, disease management options and recommendations.
- (2) **Pesticide Certification and Recertification Program.** Developed and presented educational materials for pesticide certification/recertification programs statewide (20) providing information to over 850 individuals on topics related to the identification and management of diseases of commercial and landscape turf and ornamentals as well as citrus. (See pages 20-26.)
- (3) **Louisiana Plant Pathology Disease Identification and Management Series.** This is a series of fact sheets on plant diseases (15 to date) that I initiated in 2008 in response to requests by field faculty for basic information on and high quality color photographs of common plant diseases in Louisiana. (See page 10.)
- (4) **Master Gardeners Program.** Developed and presented educational programs (49) on the basic concepts of plant pathology and disease diagnosis for the training of over 1,050 Master Gardeners statewide.
- (5) **Home Garden Programs.** Developed and presented educational seminars for home garden and landscape programs (14) statewide providing over 500 home gardeners with information on diseases that they are likely to encounter and the knowledge necessary for them to make sound management decisions. (See pages 20-26.)

**Plant Disease Diagnosis.** Accurate and timely diagnosis of diseases is the key to their management and reducing their economic impact. The determination of the true nature of the cause of a plant health problem, i.e., whether it is the result of pathogenic (biotic) or environmental (abiotic) factor, enables the client to take only those actions that are appropriate for his/her situation, thereby saving valuable time, resources and money. This is accomplished through diagnosis of samples (physical or digital images) submitted to the disease clinic or to me directly, as well as through visits to individual farms and residences. Today's clinic utilizes a variety of molecular based diagnostic tests in addition to traditional macroscopic and microscopic evaluation and culture plating of disease samples.

- (1) **Plant Disease Diagnostic Clinic.** Involved in the management and operation of the Louisiana Plant Disease Diagnostic Clinic, as well as the clinic website. This included working with and training of diagnosticians. Also served as the diagnostician from May 2006 to March 2007. Numbers of samples received have varied from year to year due to such factors as hurricanes and other events, as well as the institution of a fee for service. In this time, we have processed over 900 routine diagnostic samples. Efforts also included increasing stakeholder awareness of the clinic and proper sampling methods through participation in "plant health clinics" and advertising the clinic whenever addressing stakeholder groups.
- (2) **Clinic Website.** Maintained and updated postings on the clinic website since May 2006: ([http://www.lsuagcenter.com/en/our\\_offices/departments/Plant\\_Pathology\\_Crop\\_Physiology/Plant\\_Disease\\_Clinic/](http://www.lsuagcenter.com/en/our_offices/departments/Plant_Pathology_Crop_Physiology/Plant_Disease_Clinic/)).
- (3) **Field Days and Garden Shows.** Participated in research station field days and other commodity-specific field days organized by Extension field faculty as well as spring and fall garden shows in various communities. These have included field days at the Burden Research Center, the Hammond Research Station and the Red River Research Station; Tomato Field Days in Terrebonne and St. James Parishes and a Pumpkin Field Day at the Burden Research Center and Plant Health Clinics at spring and fall garden shows in Baton Rouge (2), Bogalusa (1), Covington (2), Franklinton (1), Houma (2), Lake Charles (3), New Orleans (5), and Vidalia (1).

**Support for Extension Field Faculty.** Our Extension field faculty are the backbone of the Louisiana Cooperative Extension Service. One role of Extension Specialists is to provide support to the field faculty through training programs to make them more self reliant and to be responsive to their needs for assistance by being available to help them deal with their stakeholders' problems.

- (1) **Training Programs.** Developed and presented training programs for field faculty on the topics of collecting and submitting samples to the disease clinic (24 agents), landscape diseases (12 agents), citrus greening (40 agents) and plant disease diagnosis (21 agents).
- (2) **Individual farm/home visits.** In conjunction with Extension field faculty, visited over 200 commercial horticulture operations or home residences to aid in solving specific problems and to promote the LSU AgCenter.

**Recommendations for Plant Disease Management.** In order to prevent or manage diseases effectively, current management recommendations must be available to our stakeholders. This information is obtained largely through the establishment and maintenance of working relationships with other extension plant pathologists with similar crop responsibilities throughout the Southeastern U.S. and through participation in

regional collaborative projects that generate this information, ultimately benefiting the horticultural industries of Louisiana.

- (1) **Louisiana Plant Disease Management Guide.** Responsible for the annual updates of disease management recommendations for horticultural crops for our state guide. In 2008, I took over responsibility as the lead author on this publication. In addition to making major revisions and updates to the existing sections on horticultural crops, I added new sections specifically for home gardeners and commercial greenhouse tomato producers.
- (2) **Regional Disease Management Guides.** Have actively participated with the Southeastern Vegetable Extension Workers (SEVEW) who meet annually to update the Southeast Regional Vegetable Crop Handbook. Also participated in the annual updates to the integrated management guides for small fruit production sponsored by the through the Southeast Regional Small Fruit Consortium.
- (3) **Sweetpotato IPM.** This is an ongoing, multi-faceted collaborative project with other research and extension personnel with responsibility for sweetpotatoes in which I have been actively involved in data collection for field trials as well as the preparation of educational materials (both oral and written) for various projects, including the RAMP Project, the seed survey project and fungicide trials for managing sclerotial blight on the susceptible new sweetpotato variety, Evangeline.
- (4) **Cucurbit Downy Mildew ipmPIPE.** Responsible for establishing, maintaining, and the weekly monitoring of cucurbit sentinel plots for the detection of downy mildew as part of a multistate project to develop a forecasting system for this disease. These sentinel plots are maintained in three locations in Louisiana. The information generated through this project will help in the development of a predictive system that will allow our growers to better understand and manage this destructive disease.

#### ***ADVISORY PROCESS AND CRITICAL ISSUE RESPONSIVENESS***

**Advisory Committees:** Participated in Horticulture Leadership Advisory Councils for Tangipahoa and Terrebonne parishes. These committees provided direction for the extension programs in these parishes by identifying and prioritizing stakeholder needs and the development of appropriate educational programs; also participated in the Sweet Potato Advisory Committee.

**Critical Issue Responses:** (1) I facilitated the collaboration between the Mayhaw Growers Association and Cerexagri-Nisso in obtaining a special local needs (24c) label for Firewall (streptomycin) for use on mayhaws in Louisiana for the control of fire blight. (2) I was actively involved in the LSU AgCenter's response to the detection of the Asian citrus psyllid and huanglongbing (greening) in Louisiana, including participation in planning meetings, television interviews, agent training, preparation of educational materials, and grower education programs.

#### ***INNOVATIVE TEACHING METHODS, KNOWLEDGE AND APPLICATION OF NEW TECHNOLOGY***

**Cucurbit Downy Mildew ipmPIPE.** This is a multistate effort to monitor and develop a forecasting system for cucurbit downy mildew for use by growers and Extension field faculty. Information on this project and

the associated website has been made available to growers and Extension field faculty through presentations at commercial grower meetings and at the Red River Research Station field day.

**eXtension Community of Practice “All About Blueberries”.** Multi-state, multi-disciplinary effort to develop a new Community of Practice for the eXtension website.

**Louisiana Plant Pathology Disease Identification and Management Series.** This is a series of fact sheets (15 to date) on plant diseases that I initiated in 2008. These are distributed to Extension field faculty by email and are also available through the LSU AgCenter website. (See page 10.)

**LSU AgCenter Plant Disease Diagnosis Clinic Website**

([http://www.lsuagcenter.com/en/our\\_offices/departments/Plant\\_Pathology\\_Crop\\_Physiology/Plant\\_Disease\\_Clinic/](http://www.lsuagcenter.com/en/our_offices/departments/Plant_Pathology_Crop_Physiology/Plant_Disease_Clinic/)). Maintenance of the website became my responsibility in the spring of 2006 when our diagnostician position became vacant. (See pages 11-12.)

**PROGRAM DELIVERY EFFECTIVENESS DEMONSTRATED BY EVALUATION, CHANGE, AND ADOPTION**

**County Agent Training.** I organized and coordinated a two-day agent training program held August 19-20, 2008, to instruct Extension field faculty, particularly the newer hires, on plant disease diagnosis and the workings of the Plant Disease Diagnostic Clinic and the Nematode Advisory Service. Twenty-one agents attended the meeting. The results of a pre- and post-training self-assessment survey that was conducted are presented in the table below. On average, agents indicated that their overall level of knowledge of the subjects covered increased from low to moderate (2.78) to high to very high (4.64) as the result of this training.

**Agent Self-Assessment of Improvement in Knowledge of Diagnostic Processes as a Result of Participating in the Training on Plant Disease Diagnosis (n=18).** (Level of understanding: 1 = very low, 2 = low, 3 = moderate, 4 = high, 5 = very high).

	Percentage of Responses											
	Average Response		Response=1		Response=2		Response=3		Response=4		Response=5	
	Pre	Post	Pre	Post	Pre	Post	Pre	Post	Pre	Post	Pre	Post
Question 1	2.78	4.67	5.6	0.0	38.9	0.0	33.3	0.0	16.7	33.3	5.6	66.7
Question 2	3.39	4.61	0.0	0.0	22.2	0.0	38.9	5.6	16.7	27.8	22.2	66.7
Question 3	3.28	4.67	0.0	0.0	16.7	0.0	33.3	5.6	27.8	22.2	16.7	72.2
Question 4	3.11	4.67	0.0	0.0	44.4	0.0	27.8	0.0	22.2	33.3	5.6	66.7
Question 5	2.83	4.61	16.7	0.0	27.8	0.0	16.7	5.6	33.3	27.8	5.6	66.7
Question 6	3.17	4.56	0.0	0.0	33.3	0.0	27.8	5.6	27.8	33.3	11.1	61.1
Question 7	2.67	4.72	16.7	0.0	33.3	0.0	22.2	0.0	22.2	27.8	5.6	72.2
Question 8	2.50	4.72	5.6	0.0	61.1	0.0	22.2	0.0	0.0	27.8	11.1	72.2
Question 9	1.94	4.44	27.8	0.0	50.0	0.0	22.2	11.1	0.0	33.3	0.0	55.6
Question 10	2.11	4.78	38.9	0.0	27.8	0.0	16.7	0.0	16.7	22.2	0.0	77.8

- Q1: The difference between signs and symptoms of disease.
- Q2: How to use a hand lens.
- Q3: How to collect physical samples of disease.
- Q4: How to package and send physical samples to the Diagnostic Clinic.
- Q5: How to submit physical samples through the Louisiana Distance Diagnostic Network.
- Q6: How to take digital images of disease samples.
- Q7: How to submit digital images through the Louisiana Distance Diagnostic Network.

- Q8: What happens to my sample once it reaches the disease clinic.  
Q9: The various testing methods used to diagnose diseases.  
Q10: How nematodes are extracted from soil.

## **DEVELOPMENT AND PRESENTATION OF RESEARCH BASED MATERIALS**

*See Publications and Presentations Sections*

### **EXTENSION PUBLICATIONS (Print and Electronic):**

- 1) Koske, T.J., Morgan, A.L., and Ferrin, D.M. "Vegetable Gardening Tips: Beans". Louisiana State University Agricultural Center, Publication 2309 (revised), May 2009.
- 2) Koske, T.J., Ferrin, D.M., and Morgan, A. "Vegetable Gardening Tips: Peppers". Louisiana State University Agricultural Center, Publication 2132 (revised), May 2009.
- 3) Koske, T.J., Morgan, A.L., Overstreet, C., and Ferrin, D.M. "Vegetable Gardening Tips: Tomatoes". Louisiana State University Agricultural Center, Publication 1902 (revised), May 2009.
- 4) Singh, R., and Ferrin, D. "Rapid Turfgrass Disease Diagnosis". Louisiana State University Agricultural Center, Miscellaneous 42, April 2009.
- 5) Singh, R., Ferrin, D., Hollier, C., and Overstreet, C. "Plant Disease Diagnostic Clinic". Louisiana State University Agricultural Center, Miscellaneous 41, April 2009.
- 6) Smith, T., Ferrin, D., and Clark, C. "GAP, GMP, EUREPGAP, GLOBALGAP and Sweet Potato Producers". Louisiana State University Agricultural Center, Publication 3103, March 2009.
- 7) Ferrin, D.M., Hollier, C.A, and Overstreet, C. "2009 Louisiana Plant Disease Management Guide". Louisiana State University Agricultural Center, Publication No. 1802 (revised), March 2009.
- 8) Boudreaux, J., Beckley, P.A., Benjamin, S.H., Crnko, G.S., Ferrin, D.M., Gill, D.J., Koske, T.J., Morgan, A.L., Overstreet, C., Pollet, D.K., Parish, R.L., Reed, D.P., and Turley, R. "Louisiana Home Vegetable Gardening". Louisiana State University Agricultural Center, Publication 3000, February 2009.
- 9) Ferrin, D., and Ingram, D. "TABLE 3-70. Generic Fungicides for Use on Vegetable Crops". In: Vegetable Crop Handbook 2009. Southeastern Vegetable Extension Workers and Vance Publishing Company, 2009.
- 10) Boudreaux, J., Ferrin, D., Hummel, N., Pollet, D., and Whitam, K. "Louisiana Home Citrus Production". Louisiana State University Agricultural Center, Publication 1234 (revised), September 2008.

- 11) Edmunds, B., Boyette, M., Clark, C., Ferrin, D., Smith, T., and Holmes, G. "Postharvest Handling of Sweetpotatoes". North Carolina Cooperative Extension Service, Bulletin AG-413-10-B, August 2008.
- 12) Hummel, N.A. and Ferrin, D. "Help us find citrus greening disease". Louisiana State University Agricultural Center, Publication 3081, July 2008.
- 13) Hummel, N.A. and Ferrin, D. "Citrus greening (or Huanglongbing)". Louisiana State University Agricultural Center, Publication 3080, July 2008.
- 14) Hummel, N.A. and Ferrin, D. "Pest Alert. Get the facts about citrus greening (or Huanglongbing)". Louisiana State University Agricultural Center, Publication 3079, July 2008.
- 15) Smith, T., Overstreet, C., Clark, C., Ferrin, D., and Burris, E. "Nematode Management in Louisiana Sweet Potato Production". Louisiana State University Agricultural Center, Publication 3075, July 2008.
- 16) Koske, T.J., Pollet, D.K., Hollier, C., Strahan, R., and Ferrin, D. "Turf Maintenance for Athletic Fields". Louisiana State University Agricultural Center, Publication 1989 (revised), May 2008.
- 17) Ferrin, D.M., and Overstreet, C. "Disease Management in Home Vegetable Gardens". Pub. 3050. Louisiana State University Agricultural Center, Publication 3050, April 2008.
- 18) Koske, T.J., Ferrin, D.M., Morgan, A.L., and Boudreaux, J.E. "Vegetable Gardening Tips: Cucumbers". Louisiana State University Agricultural Center, Publication 1981 (revised), April 2008.
- 19) Ferrin, D.M., Hollier, C.A., and Overstreet, C. "2008 Louisiana Plant Disease Management Guide". Louisiana State University Agricultural center, Publication 1802 (revised), January 2008.
- 20) Branch, B., Carney, B., Castille, C., Cummins, D., Ferrin, D., Fletcher Jr., B., Gauthier, S., Gill, D., Harrison, H., Kastler, J., Koske, T., LeBlanc, B., Owings, A., Pollet, D., Reed, D., Schmit, R., Stevens, J., and Strahan, R. "Louisiana Yards & Neighborhoods. A Guide to Louisiana-Friendly Landscaping". Louisiana State University Agricultural Center, Publication 2993, August 2007.
- 21) Ferrin, D. "Beautiful... But Deadly! (The Destroying Angel)". Louisiana State Agricultural Center, The Home Gardener, Horticulture Hints, Summer 2007.
- 22) Ferrin, D.M., Hollier, C.A., Overstreet, C., and Holcomb, G.E. "Rose Diseases". Louisiana State University Agricultural Center, Publication 2613 (revised), March 2007.
- 23) Pyzner, J., Himelrick, D., and Ferrin, D. "The Louisiana Home Orchard". Louisiana State University Agricultural Center, Publication 1884 (revised), February 2007.
- 24) Hollier, C.A., Overstreet, C., and Ferrin, D.M. "2007 Louisiana Plant Disease Management Guide". Louisiana State University Agricultural Center, Publication 1802 (revised), March 2007.

- 25) Hollier, C.A., Overstreet, C., and Ferrin, D.M. "2006 Louisiana Plant Disease Management Guide". Louisiana State University Agricultural Center, Publication 1802 (revised), January 2006.

**Louisiana Plant Pathology Disease Identification and Management Series:**

- 1) Ferrin, D.M. "Large Patch (formerly Brown Patch) of Warm-season Turfgrasses". Louisiana State University Agricultural Center, Publication 3133 (online only), August 2009.
- 2) Ferrin, D. "Bacterial Leaf Scorch of Landscape Trees". Louisiana State University Agricultural Center, Publication 3132 (online only), August 2009.
- 3) Ferrin, D. "St. Augustine Decline (SAD)". Louisiana State University Agricultural Center, Publication 3097 (online only), December 2008.
- 4) Ferrin, D., Smith, T., and Clark, C. "Scurf of Sweet Potato". Louisiana State University Agricultural Center, Publication 3096 (online only), October 2008.
- 5) Overstreet, C., McGawley, E.C., and Ferrin, D. "Reniform Nematode in Louisiana". Louisiana State University Agricultural Center, Publication 3095 (online only), October 2008.
- 6) Overstreet, C., McGawley, E.C., and Ferrin, D.M. "Southern Root-knot Nematode of Vegetables". Louisiana State University Agricultural Center, Publication 3077 (online only), June 2008.
- 7) Ferrin, D.M., Clark, C., and Smith, T. "Sclerotial Blight and Circular Spot of Sweet Potato". Louisiana State University Agricultural Center, Publication 3071 (online only), May 2008.
- 8) Ferrin, D.M. "Tomato Yellow Leaf Curl". Louisiana State University Agricultural Center, Publication 3069 (online only), May 2008.
- 9) Ferrin, D.M. "Fire Blight". Louisiana State University Agricultural Center, Publication 3054 (online only), April 2008.
- 10) Ferrin, D.M. "Southern Blight". Louisiana State University Agricultural Center, Publication 3052 (online only), April 2008.
- 11) Ferrin, D.M. "Tomato Pith Necrosis". Louisiana State University Agricultural Center, Publication 3051 (online only), April 2008.
- 12) Ferrin, D.M. "Phytophthora Blight of Peppers". Louisiana State University Agricultural Center, Publication 3047 (online only).
- 13) Ferrin, D.M. "Foliar Disease of Watermelon". Louisiana State University Agricultural Center, Publication 3046 (online only), March 2008.
- 14) Ferrin, D.M. "Downy Mildew of Cucurbits". Louisiana State University Agricultural Center, Publication 3044, February 2008.

## **MASS MEDIA, WEB PAGE DEVELOPMENT AND MAINTENANCE**

- 1) LSU AgCenter Communications. "How to Scout for the Asian Citrus Psyllid and Citrus Greening" (video). September 2008.
- 2) Louisiana Public Broadcasting (television interview). "LSWI 3149 Citrus Disease". August 1, 2008.
- 3) Farm Bureau Report (television interview). "Today in Louisiana Agriculture". July 22, 2008.
- 4) KNOE TV8. "Good Morning Ark-La-Miss", (television lawn and garden segment). Monroe, Louisiana, May 2, 2007.
- 5) Acadiana Open Channel. "Get It Growing" (30-minute home gardening television program). Lafayette, Louisiana, August 3, 2006.
- 6) KRLZ 100.3 FM. Live radio interview from the Bonne Terre Garden Fair. Houma, Louisiana, May 6, 2006.
- 7) KBMQ 88.7 FM. "Four Seasons Garden Show" (30-minute radio program hosted by Ken Maki of the LSU AgCenter), Monroe, Louisiana, March 9, 2006.
- 8) KNOE TV8 (television interview). "Good Morning Ark-La-Miss". Monroe, Louisiana, March 9, 2006.
- 9) PPCP News (newsletter), Department of Plant Pathology & Crop Physiology, LSU AgCenter.
  - a. Ferrin, D., and Hummel, N. "Huanglongbing (or Greening) and the Asian Citrus Psyllid Found in Louisiana". Spring 2009.
- 10) Louisiana Nursery and Landscape News, LNLA Quarterly Newsletter, Louisiana Nursery and Landscape Association. Column: "*Plants... A Pathologist's Perspective*".
  - a. "Algal Leaf Spot". Spring 2009.
  - b. "Bacterial Leaf Scorch of Landscape Trees". Fall 2008.
  - c. "The IR-4 Project: the 'minor use pesticides' program". Summer 2008.
  - d. "Azalea Leaf Gall". Spring 2008.
  - e. "Fire Blight". Winter 2008.
  - f. "Downy Mildews". Fall 2007.
  - g. "Cercospora Leaf Spots and Needle Blights". Summer 2007.
  - h. "Leaf and Crown Rot of *Liriope*". Spring 2007.
  - i. "Phytophthora Root and Crown Rots". Winter 2007.
  - j. "Plants... A Pathologist's Perspective". Fall 2006.
- 11) Nursery and Landscape Notes (newsletter), LSU AgCenter
  - a. "Azalea Leaf Gall". Fall 2008.
  - b. "Fire Blight". Spring 2008.
  - c. "Downy Mildew". Spring 2008.
  - d. "Phytophthora Root and Crown Rots". Winter 2007-2008.

### LSU AgCenter Web pages:

- 1) Bogren, R., Chandler, B.R., Ferrin, D.M., and Pollet, D.K. 2009. "Disease May Threaten LA Red Bay and Sassafras Trees". August 2009.
- 2) Singh, R., Ferrin, D., Hollier, C., and Overstreet, C. "Rapid Turfgrass Disease Diagnosis". January 2009.
- 3) Singh, R., Ferrin, D., Hollier, C., and Overstreet, C. "County Agent Training 2008". October 2008.
- 4) Hummel, N., Vaughn, A., Gill, D., and Ferrin, D. "Control Strategy Being Developed for New Bug, Disease that Threatens Louisiana Citrus". June 2008.
- 5) Singh, R., Ferrin, D.M., Hollier, C.A., and Overstreet, C. "Sooty Mold". November 2007.
- 6) Boudreaux, J.E., Reed, D.P., Hummel, N., Ferrin, D.M., and Benjamin, S.H. "Commercial Strawberry Production in Louisiana". September 2007.
- 7) Chen, Y., Ferrin, D.M., and Bracy, R. "Daylily Rust Control with Biofungicides". September 2007.
- 8) Ferrin, D. "Fall Is for Football... and Brown Patch". September 2007.
- 9) Ferrin, D., Singh, R., Overstreet, C. and Hollier, C. "Plant Disease Submission Form for the General Public". August 2007.
- 10) Ferrin, D. "Leaf and Crown Rot of Liriope". June 2007.
- 11) Ferrin, D. "Fungicides for the Management of Downy Mildew of Cucurbits". June 2007.
- 12) Ferrin, D. "Downy Mildew of Cucurbits". June 2007.
- 13) Ferrin, D. "Fungicides for Commercial Strawberry Production". January 2007.
- 14) Ferrin, D. "Fungicides for Louisiana Turf". January 2007.
- 15) Ferrin, D., and Boudreaux, J. "TYLCV-Resistant Varieties". December 2006.
- 16) Ferrin, D., and Boudreaux, J. "TSWV-Resistant Tomato Varieties". December 2006.
- 17) Clark, C., Holmes, G., Edmunds, B., Gray, E. and Ferrin, D. "Preliminary Report: Louisiana and North Carolina Sweetpotato Packingline Surveys". Southern Sweetpotato IPM Project, August 2006.
- 18) Ferrin, D., Koske, T., and Sanderlin, R. "Greenhouse Tomato Disease Control". Revised 2006.
- 19) Ferrin, D., Hadziabdic, D., Hollier, C., and Overstreet, C. "Submitting Plant Specimens for Diagnosis". August 2005.

- 20) Ferrin, D., Hadziabdic, D., Hollier, C., and Overstreet, C. "How to Submit a Sample". July 2005.
- 21) Hadziabdic, D., Ferrin, D., Overstreet, C., and Hollier, C. "Disease Image Gallery".

### ***COOPERATION/COLLABORATION WITH OTHER FACULTY***

Many of the projects that I am involved with are collaborative efforts with horticulture specialists and researchers in the School of Plant, Environmental and Soil Science and/or field faculty with the Louisiana Cooperative Extension Service.

**County Agent Training in Disease Diagnosis.** Collaborative effort of the Extension faculty within the department to provide training for county agents in the area of plant disease diagnosis. I initiated and coordinated the program, but faculty shared responsibility for developing and presenting the program.

**eXtension Community of Practice "All About Blueberries".** Collaborative effort involving extension personnel in the areas of horticulture, entomology, plant pathology and weed science from land grant universities across the southeastern U.S. as well as LSU AgCenter communications specialists and program evaluation experts to develop a new Community of Practice for the eXtension website.

**Louisiana Home Vegetable Gardening Programs.** Collaborative effort between Extension faculty from horticulture, entomology and plant pathology to develop a variety of educational materials for home gardeners.

**Louisiana Lawns and Neighborhoods Program.** Collaborative effort between Research and Extension faculty to develop and implement this program through the development of educational materials, both written and visual (i.e., PowerPoint presentations), for use by volunteer trainees to present to communities throughout Louisiana to promote environmentally sustainable landscaping.

**Response to the Asian Citrus Psyllid and Greening in Louisiana.** Collaborative effort between Extension faculty in entomology and plant pathology and Extension personnel in communications to develop programs to address the detection of the Asian citrus psyllid and citrus greening (huanglongbing) in Louisiana. Educational materials were prepared and distributed via a variety of media outlets. An educational program was developed and presented as training for county agents.

**Sweetpotato RAMP Project.** Collaborative effort between Research and Extension faculty in entomology and plant pathology with responsibility for sweetpotatoes to develop decision making tools for growers to reduce risk and enhance the sustainability of sweetpotato pest management systems. The specific goals related to plant pathology were to identify field characteristics that predispose sweetpotato roots to postharvest diseases and to identify factors in the packinghouse that contribute to postharvest disease development.

**Sweetpotato Seed Survey.** Collaborative effort between Research and Extension faculty with responsibility for sweetpotatoes to assess the productivity of various generations of roots used by commercial growers for seed to determine how age of seed affects production.

**Practicum in Plant Pathology (PLHL 8800).** Collaborative effort among the Teaching and Extension faculty within the department to craft a major revision to the content of this course.

## **EXTERNAL FUNDING, MATERIAL SUPPORT AND GRANTS**

### **Pending:**

- 1) Ferrin, D.M., Kuehny, J.S., and Owings, A.D. "Integrated Management of Phytophthora Root Rots in the Landscape". Horticultural Research Institute, \$44,000, May 2009 (pending).
- 2) Spiers, J.D., Dozier, W., Fadamiro, H.Y., Woods, F., Nesbitt, M.L., Coneva, E., Dane, F., Nelson, R., Murphy, J., Worosz, M., Huang, T.-S., Hummel, N., Ferrin, D., Mizell, R., Ritenour, M., and Andersen, C. "Best Management Strategies for Economic Sustainability if the Satsuma Mandarin Industry in the Gulf Coast Region". USDA, CSREES, SCRI, \$99,980, April 2009 (pending).

### **Funded:** (\$30,000 as PI and \$3,380,736 as co-PI)

- 3) Hummel, N., Ferrin, D., Machtmes, K., Coneva, E., Braswell, J., Marshall, D., and Cline, W. eXtension Community of Practice: "All about Blueberries". USDA, CSREES, SCRI, \$518,749, September 2009.
- 4) Smith, T., Villordon, A., Clark, C., Labonte, D., Picha, D., Miller, D., Davis, J., Ferrin, D., Davis, D., Sheffield, R., Stoddard, C. S., Abney, M., Chester-Davis, L., Ducharme, D., Gunter, C., Jennings, K., Monks, D., Pesic-van Esbroeck, Z., Schultheis, J., Thornton, A., Arancibia, R., Baird, R., Burdine, W., Henn, A., Reddy, K., Reed, J., Shankle, M. "Participatory modeling and decision support for improving sweet potato production efficiency, quality, and food safety". USDA, CSREES, SCRI, \$2,841,987, July 2009.
- 5) Pollet, D., Hummel, N., and Ferrin, D. "Citrus Commodity Survey". USDA, APHIS, CPHST, CAPS, \$20,000, 2009.
- 6) Ferrin, D.M. "Cucurbit Downy Mildew ipmPIPE Sentinel Plots". Subcontract from North Carolina State University as part of a USDA-CSREES grant, \$12,000, 2008 – 2009.
- 7) Ferrin, D.M. "Concert fungicide on ornamentals ". Unrestricted grant from Syngenta Professional Products, \$4,500, 2008.
- 8) Ferrin, D.M. "Banner Maxx fungicide on ornamentals ". Unrestricted grant from Syngenta Professional Products, \$4,500, 2008.
- 9) Ferrin, D.M. "Fungicides for control of Phytophthora root rot ". IR-4 Project, \$5,000, 2007.
- 10) Ferrin, D.M. "Heritage TL Fungicide on ornamentals ". Unrestricted grant from Syngenta Professional Products, \$4,000, 2007.

### **Not funded:**

- 11) Owings, A.D., Sloan, R.C., Ferrin, D., and Henn, A. "Sustainable Roses for the Southern Landscape: Cultivar Adaptability, Pruning, Disease Observation, and Consumer Preference Studies". USDA, CSREES, SCRI, \$143,336, August 2008 (not funded).

- 12) Labonte, D., Clark, C., Smith, T., Villordon, A., Picha, D., Hammond, A., Ferrin, D., Guidry, K., Miller, D.K., Davis, J., Burris, E., Story, R., Arancibia, R., Burdine, W., Cook, D., Shankle, M., Matta, F., Silva, J., Little, R., Sabanadzovic, S., Yencho, G., Pecota, K., Schultheis, J., Holmes, G., Jennings, K., Allen, J., Harris, G., Trung, V., Stoddard, S., Haley, J., and Jackson, D.M. "A Systems Approach to Improving the Efficiency of Sweetpotato Production, Quality and Marketing". USDA, CSREES, SCRI, \$2,912,313, August 2008, (not funded).
- 13) Hummel, N., and Ferrin, D. "Short Term and Intermediate Approaches to Managing Citrus Greening". USDA, CSREES, SCRI (subcontract with the University of Florida), \$163,864, August 2008 (not funded).

**Grants Received While at the University of California: (\$143,770)**

- 1) California Association of Nurserymen \$12,556 (over 5 years)
- 2) California Avocado Commission \$23,000 (1 year; co-PI with J.A. Menge)
- 3) California Division of Forestry \$9,978 (1 year; co-PI with H.D. Ohr)
- 4) California Melon Board \$ 5,564 (over 2 years)
- 5) International Protea Association \$ 2,600 (1 year)
- 6) Statewide Critical Applied Research \$20,134 (over 2 years)
- 7) UC Cooperative Extension \$ 3,500 (1 year; co-PI with J. Kabashima)
- 8) UCR Academic Senate Research Grant \$ 1,938 (1 year)
- 9) UC Statewide IPM Grant \$54,000 (over 3 years)
- 10) USDA Forest Service \$10,500 (over 3 years)

**Additional Grants in which I Have Participated:**

- 1) Clark, C.A., Hammond, A.M., Story, R.N., Cannon, J.M., Villordon, A.Q., Smith, T.P. and Ferrin, D.M. "Development of Grower Decision Making Tools to Reduce Risk and Enhance Sustainability of Southern Sweetpotato Pest Management Systems". USDA, CSREES, RAMP (subcontract with North Carolina State University), \$394,575, 2003-2008.

**REFEREED PUBLICATIONS**

**Book Chapters: (1)**

- 1) Clark, C.A., Holmes, G.J., and Ferrin, D.M. 2009. Major fungal and bacterial diseases. Pages 81-103 in: The Sweetpotato. G. Loebenstein and G. Thottappilly (eds.). Springer Science and Business Media B.V.

### Technical Articles: (30)

- 1) Singh, R., Ferrin, D.M., and Aime, M.C. 2009. First Report of Powdery Mildew Caused by *Podosphaera xanthii* on *Sechium edule* in the United States. Plant Disease 93: accepted for publication.
- 2) Villordon, A., Clark, C., Ferrin, D., and LaBonte, D. 2009. Using growing degree days, agrometeorological variables, linear regression, and data mining methods to help improve prediction of sweetpotato harvest date in Louisiana. HortTechnology 19:133-144.
- 3) Pagliaccia, D., Ferrin, D., and Stanghellini, M.E. 2007. Chemo-biological suppression of root-infecting zoosporic pathogens in recirculating hydroponic systems. Plant and Soil 299:163-179.
- 4) Holcomb, G.E., and Ferrin, D.M. 2006. First report of powdery mildew on azalea caused by *Erysiphe azaleae* in Louisiana. Plant Disease 90: 1263.
- 5) Nielsen, C.J., Ferrin, D.M., and Stanghellini, M.E. 2006. Efficacy of biosurfactants in the management of *Phytophthora capsici* on pepper in recirculating hydroponic systems. Canadian Journal of Plant Pathology 28:450-460.
- 6) Nielsen, C.J., Ferrin, D.M., and Stanghellini, M.E. 2006. Cyclic production of sporangia and zoospores by *Phytophthora capsici* on pepper roots in hydroponic culture. Canadian Journal of Plant Pathology 28:461-466.
- 7) Ferrin, D.M., and Stanghellini, M.E. 2006. Effects of osmotic water potential on mycelial growth and perithecial production of *Monosporascus cannonballus* in vitro. Plant Pathology 55:421-426.
- 8) Waugh, M.M., Ferrin, D.M., and Stanghellini, M.E. 2005. Colonization of cantaloupe roots by *Monosporascus cannonballus*. Mycological Research 109:1297-1301.
- 9) Radewald, K.C., Ferrin, D.M., and Stanghellini, M.E. 2004. Sanitation practices that inhibit reproduction of *Monosporascus cannonballus* in melon roots left in the field after crop termination. Plant Pathology 53:660-668.
- 10) Stanghellini, M.E., Waugh, M.M., Radewald, K.C., Kim, D.H., Ferrin, D.M., and Turini, T. 2004. Crop residue destruction strategies that enhance rather than inhibit reproduction of *Monosporascus cannonballus*. Plant Pathology 53:50-53.
- 11) Stanghellini, M.E., Kim, D.H., Waugh, M.M., Ferrin, D.M., Alcantara, T., and Rasmussen, S.L. 2004. Infection and colonization of melon roots by *Monosporascus cannonballus* in two cropping seasons in Arizona and California. Plant Pathology 53:54-57.
- 12) Stanghellini, M.E., Ferrin, D.M., Kim, D.H., Waugh, M.M., Radewald, K.C., Sims, J.J., Ohr, H.D., Mayberry, K.S., Turini, T., and McCaslin, M.A. 2003. Application of preplant fumigants via drip irrigation systems for the management of root rot of melons caused by *Monosporascus cannonballus*. Plant Disease 87:1176-1178.

- 13) Waugh, M. M., Kim, D. H., Ferrin, D. M., and Stanghellini, M. E. 2003. Reproductive potential of *Monosporascus cannonballus*. *Plant Disease* 87:45-50.
- 14) Barr, M. E., Ohr, H. D., Ferrin, D. M., and Mundo-Ocampo, M. 1997. A new species of *Serenomyces* from date palm in California. *Mycotaxon* 61:481-484.
- 15) Brooks, F. E., and Ferrin, D. M. 1994. First report of *Phytophthora* root rot of *Penstemon* species. *Plant Disease* 79:212.
- 16) Brooks, F. E., and Ferrin, D. M. 1993. Branch dieback of southern California chaparral vegetation caused by *Botryosphaeria dothidea*. *Phytopathology* 84:78-83.
- 17) Sandlin, C. M., and Ferrin, D. M. 1992. Foliar blight and root rot of container-grown giant redwood caused by *Phytophthora citrophthora*. *Plant Disease* 77:591-594.
- 18) Sandlin, C. M., and Ferrin, D. M. 1992. Root rot of *Brachychiton populneus* seedlings caused by *Lasiodiplodia theobromae*. *Plant Disease* 76:883-885.
- 19) Paine, T. D., Hanlon, C. C., Pittenger, D. R., Ferrin, D. M., and Malinoski, M. K. 1992. Consequences of water and nitrogen management on growth and aesthetic quality of drought-tolerant woody landscape plants. *Journal of Environmental Horticulture* 10:94-99.
- 20) Sandlin, C. M., Wadsworth, M. L., Ferrin, D. M., and Sanchez, L. 1992. First report of root rot of Monterey pine in California caused by *Phytophthora citricola*. *Plant Disease* 76:643.
- 21) Ferrin, D. M., and Wadsworth, M. L. 1992. Effect of metalaxyl on sporulation and growth of metalaxyl-resistant and metalaxyl-sensitive isolates of *Phytophthora parasitica* in vitro. *Plant Disease* 76:492-495.
- 22) Ferrin, D. M., and Rohde, R. G. 1992. In vivo expression of resistance to metalaxyl by a nursery isolate of *Phytophthora parasitica* from *Catharanthus roseus*. *Plant Disease* 76:82-84.
- 23) Ferrin, D. M., and Rohde, R. G. 1992. Population dynamics of *Phytophthora parasitica*, the cause of root and crown rot of *Catharanthus roseus*, in relation to fungicide use. *Plant Disease* 76:60-63.
- 24) Sandlin, C. M., Ferrin, D. M., and Kabashima, J. N. 1991. Foliar blight and branch dieback of container-grown giant redwood in California caused by *Phytophthora citrophthora*. *Plant Disease* 75:1074.
- 25) Ferrin, D. M., and Kabashima, J. N. 1991. In vitro insensitivity to metalaxyl of isolates of *Phytophthora citricola* and *P. parasitica* from ornamental hosts in southern California. *Plant Disease* 75:1041-1044.
- 26) Lutz, A. L., Menge, J. A., and Ferrin, D. M. 1991. Increased germination of propagules of *Phytophthora parasitica* by heating citrus soils sampled during winter. *Phytopathology* 81:865-872.

- 27) Ferrin, D. M., and Mitchell, D. J. 1986. Influence of soil water status on the epidemiology of tobacco black shank. *Phytopathology* 76:1213-1217.
- 28) Ferrin, D. M., and Mitchell, D. J. 1986. Influence of initial density and distribution of inoculum on the epidemiology of tobacco black shank. *Phytopathology* 76:1153-1158.
- 29) Ferrin, D. M., and Ramsdell, D. C. 1978. Influence of conidia dispersal and environment on infection of grape by *Guignardia bidwellii*. *Phytopathology* 68:892-895.
- 30) Ferrin, D. M., and Mellinger, H. C. 1977. Control of *Phytophthora* wilt of azaleas with CGA 48988. *Proceedings of the Florida State Horticultural Society* 90:333-336.
- 31) Ferrin, D. M., and Ramsdell, D. C. 1977. Ascospore dispersal and infection of grapes by *Guignardia bidwellii*, the causal agent of grape black rot disease. *Phytopathology* 67:1501-1505.

**Semi-technical Articles: (6)**

- 1) Clark, C.A., Smith, T.P., and Ferrin, D.M. 2009. Virus-tested foundation seed works. *Louisiana Agriculture* 52:12-13.
- 2) Clark, C.A., Ferrin, D.M., LaBonte, D., Picha, D.H., and Villordon, A. 2009. Managing *Rhizopus* Soft Rot on sweet potatoes. *Louisiana Agriculture* 52:14-15.
- 3) Ferrin, D.M., and Rohde, R.G. 1991. Tests compare fungicides for control of rust on greenhouse carnations. *California Agriculture* 45:16-17.
- 4) Lutz, A.L., Paulus, A.O., Ferrin, D.M., and Nelson, J.A. 1988. A new disease of myrtle. *California Agriculture* 42:24-25.
- 5) Ferrin, D.M., and Mitchell, D.J. 1984. Sporangium production by *Phytophthora parasitica* var. *nicotianae* in soil. *Phytophthora Newsletter* 12:16.
- 6) Ferrin, D.M., and Mitchell, D.J. 1983. Pre-plant inoculums pattern of *Phytophthora parasitica* var. *nicotianae* in infested tobacco field soil. *Phytophthora Newsletter* 11:15-16.

**Abstracts: (32)**

- 1) Stanghellini, M.E., Alcantara, T. P., and Ferrin, D.M. 2009. Germination of *Monosporascus cannonballus* ascospores in the rhizosphere: a host-specific response. (Abstr.) *Phytopathology* 99:S123-S124.
- 2) Smith, T.P., Clark, C., and Ferrin, D. 2009. Sweet potato foundation seed survey: yield performance of multiple generations of sweet potato foundation seed in 2007 and 2008. (Abstr.) National Sweetpotato Collaborators Group Progress Report 2008.
- 3) Clark, C.A., Gray, E.D., Edmunds, B.A., Holmes, G.J., and Ferrin, D.M. 2008. Searching for indicators of postharvest soft rot susceptibility in Beauregard sweetpotatoes. (Abstr.) National Sweetpotato Collaborators Group Progress Report 2007.

- 4) Villordon, A.O., Clark, C.A., Ferrin, D.M., and Labonte, D.R. 2008. Empirical modeling of sweetpotato yield using heat units and climatic variables: modeling frames and model performance. (Abstr.) National Sweetpotato Collaborators Group Progress Report 2007.
- 5) Nielsen, C., Stanghellini, M., and Ferrin, D., 2006. Efficacy of rhamnolipid and saponin biosurfactants in the management of *Phytophthora* root rot of pepper in a recirculating cultural system. (Abstr.) *Phytopathology* 95:S75.
- 6) Stanghellini, M.E., Ferrin, D.M., and Radewald, K.C. 2004. Effect of fumigation depth on root rot of melon caused by *Monosporascus cannonballus*. (Abstr.) *Phytopathology* 94:S154.
- 7) Nielsen, C.J., Stanghellini, M.E., and Ferrin, D.M. 2004. *Phytophthora* in recirculating cultural systems: The influence of different irrigation regimes on disease development. (Abstr.) *Phytopathology* 94:S153.
- 8) Nielsen, C.J., Ferrin, D.M., and Stanghellini, M.E. 2004. Cyclic production of sporangia and zoospores of *Phytophthora capsici* on pepper roots in hydroponic culture. (Abstr.) *Phytopathology* 94:S76.
- 9) Ferrin, D.M., and Stanghellini, M.E. 2004. The effect of two melanin biosynthesis inhibitors on growth and reproduction of *Monosporascus cannonballus*. (Abstr.) *Phytopathology* 94:S29.
- 10) Ferrin, D.M., and Stanghellini, M.E. 2004. The effect of osmotic water potential on growth and reproduction of *Monosporascus cannonballus*. (Abstr.) *Phytopathology* 94:S29.
- 11) Brooks, F.E., and Ferrin, D.M. 1993. Branch dieback in the southern California chaparral caused by *Botryosphaeria dothidea*. (Abstr.) *Phytopathology* 83:690.
- 12) Sandlin, C.M., and Ferrin, D.M. 1992. Effect of length of irrigation period on root rot of Italian stone pine caused by *Phytophthora parasitica*. (Abstr.) *Phytopathology* 82:1161.
- 13) Ferrin, D.M. 1992. Differential virulence of six species of *Phytophthora* to eight cultivars of *Ceanothus* sp. (Abstr.) *Phytopathology* 82:1122.
- 14) Sandlin, C.M., and Ferrin, D.M. 1992. Foliar blight and root rot of giant redwood caused by *Phytophthora citrophthora*. (Abstr.) *Phytopathology* 82:1122.
- 15) Polek, M., and Ferrin, D.M. 1992. Effect of host cultivar, temperature, and inoculum concentration on carnation rust caused by *Uromyces dianthi*. (Abstr.) *Phytopathology* 82:1078-1079.
- 16) Ferrin, D., Guillemet, F., Campbell, S., and Menge, J. 1991. Effect of soil type and rootstock on *Phytophthora* root rot of avocado. (Abstr.) *Phytopathology* 81:1242.
- 17) Brooks, F., and Ferrin, D.M. 1991. Drought stress as a predisposing factor to branch dieback in California chaparral plant communities. (Abstr.) *Phytopathology* 81:1236.

- 18) Polek, M., and Ferrin, D.M. 1991. Influence of temperature on the ability of urediospores of *Uromyces dianthi* to cause disease on carnations. (Abstr.) *Phytopathology* 81:1233.
- 19) Ferrin, D.M., and Wadsworth, M.L. 1991. Production of sporangia and chlamydospores by metalaxyl-resistant and -sensitive isolates of *Phytophthora parasitica* from ornamental hosts. (Abstr.) *Phytopathology* 81:1229.
- 20) Sandlin, C.M., and Ferrin, D.M. 1991. Root and stem rot of *Brachychiton populneus* caused by *Lasiodiplodia theobromae*. (Abstr.) *Phytopathology* 81:1203.
- 21) Sandlin, C.M., and Ferrin, D.M. 1991. Phytophthora root rot of Italian stone pine. (Abstr.) *Phytopathology* 81:1176.
- 22) Polek, M., and Ferrin, D.M. 1991. Development of a ranking system to assess carnation cultivars for resistance to *Uromyces dianthi*. (Abstr.) *Phytopathology* 81:1142.
- 23) Ferrin, D.M., and Rohde, R.G. 1990. Influence of fungicides on population dynamics of *Phytophthora parasitic* causing root rot of *Vinca rosea*. (Abstr.) *Phytopathology* 80:975.
- 24) Polek, M., and Ferrin, D.M. 1990. Influence of temperature and leaf wetness duration on infection and disease development by *Uromyces dianthi* on carnations. (Abstr.) *Phytopathology* 80:971.
- 25) Menge, J.A., Johnson, E.L.V., Pond, E., Ferrin, D., Liu, H., Lutz, A., Strother, M., Bartnicki, D., Afek, U., and Sjoerdsma, J. 1988. Distribution and frequency of *Phytophthora parasitica* and *P. citrophthora* associated with root rot of citrus in California. (Abstr.) *Phytopathology* 78:1576.
- 26) Sandlin, C.M., and Ferrin, D.M. 1988. Stress-related pith necrosis and root rot of *Pinus pinea* caused by *Fusarium* sp. (Abstr.) *Phytopathology* 78:1521.
- 27) Ferrin, D.M. 1987. A mathematical model to describe the movement of *Phytophthora* zoospores through soil. (Abstr.) *Phytopathology* 77:1753.
- 28) Ferrin, D.M., and Mitchell, D.J. 1984. The influence of soil water status on the epidemiology of tobacco black shank. (Abstr.) *Phytopathology* 74:871.
- 29) Ferrin, D.M., and Mitchell, D.J. 1984. The influence of density and patchiness of inoculum on the epidemiology of tobacco black shank. (Abstr.) *Phytopathology* 74:839.
- 30) Ferrin, D.M., and Mitchell, D.J. 1983. Spatial pattern of *Phytophthora parasitica* var. *nicotianae* in infested tobacco field soil. (Abstr.) *Phytopathology* 73:812.
- 31) Ferrin, D.M., and Ramsdell, D.C. 1977. Black rot of Concord and Niagara grapes: periods of conidial dispersal and host susceptibility. (Abstr.) *Proceedings of the American Phytopathological Society* 3: 283-284.
- 32) Ferrin, D.M., and Ramsdell, D.C. 1975. Black rot of Concord grapes: periods of ascospore dispersal and host susceptibility. (Abstr.) *Proceedings of the American Phytopathological Society* 2:84.

**PRESENTATIONS AT PROFESSIONAL AND CLIENTELE TARGETED CONFERENCES AND MEETINGS (87)**

1. "Common Diseases of Home Vegetables". Fall & Winter Vegetable Gardening Workshop, Lacombe, Louisiana September 9, 2009.
2. "Sustainable Plant Disease Management". Louisiana Master Gardener State Conference, Kenner, Louisiana, May 22, 2009.
3. "Mayhaw Disease Control". Fourteenth Annual Mayhaw Conference and Field Day, Pollack, Louisiana, May 1, 2009.
4. "Common Diseases of Vegetables and Their Control". Seminar: 4 Easy Steps to Home Vegetable Gardening, Covington, Louisiana, April 7, 2009.
5. "Landscape Diseases and Their Management". Commercial Pesticide Applicator Conference, Bossier City, Louisiana, April 1, 2009.
6. "Recognition and Control of Diseases in the Home Vegetable Garden". Southwest Louisiana Garden Festival, March 28, 2009.
7. "Citrus and Disease – 2009 Spray Schedule". Pesticide Recertification/Seminar/Trade Show, Belle Chasse, Louisiana, March 5, 2009.
8. "Sweet Potato Seed Survey Update and Direction for 2009 ". Sweetpotato Growers Meeting, Mansura, Louisiana, February 23, 2009.
9. "Diseases in the Landscape: Identification, Management and Control Options". LSU AgCenter Ornamental & Turfgrass Pest Management Workshop for Green Industry Professionals, Hammond, Louisiana, February 19, 2009.
10. "Citrus Diseases". St. James Parish Citrus Workshop, Vacherie, Louisiana, February 17, 2009.
11. "A Review of Consumer Fungicide Products". Pest Management Workshop. Gulf States Horticultural Expo, Mobile, Alabama, January 29, 2009.
12. "Citrus Greening: The Newest Impact Disease in the Gulf States". Pest Management Workshop. Gulf States Horticultural Expo, Mobile, Alabama, January 29, 2009.
13. "Watermelon Disease Updates 2009". Washington Parish Watermelon Growers Meeting, Franklinton, Louisiana, January 27, 2009.
14. "Sweet Potato Seed Survey Update and Direction for 2009". Louisiana Sweet Potato Association Annual Meeting, Oak Grove, Louisiana, January 7, 2009.
15. "Invasive Diseases". Professional Development Session: "Invasive Species and Louisiana: The AgCenter's Response", LSU AgCenter Annual Conference, December 16, 2008.

16. "New Diseases of Louisiana Fruit Crops". ACE Citrus, Fruits and Nuts Workgroup, LSU AgCenter Annual Conference, December 16, 2008.
17. "Greening Disease of Citrus – A Situation Overview". Deep South Fruit and Vegetable Growers Conference and Trade Show, Mobile, Alabama, December 4, 2008 (with Dr. N. Hummel).
18. "Vegetable Disease Updates". West Feliciana Farmers' Market Program, St. Francisville, Louisiana, November 6, 2008.
19. "A New Pest/Disease Complex of Louisiana Citrus: the Asian citrus Psyllid and Huanglongbing". Department of Entomology Seminar, Baton Rouge, Louisiana, October 24, 2008 (with Dr. N. Hummel).
20. "Landscape Diseases and Their Management". Commercial Pesticide Applicator Conference, Lafayette, Louisiana, October 8, 2008.
21. "Greening Disease of Citrus – A Situation Overview". Citrus Greening/Psyllid Workshop, Fairhope, Alabama, October 3, 2008.
22. "A New Pest/Disease Complex of Louisiana Citrus: the Asian citrus Psyllid and Huanglongbing". Department of Plant Pathology and Crop Physiology Seminar, Baton Rouge, Louisiana, September 24, 2008 (with Dr. N. Hummel).
23. "Pulling a Rabbit out of the Hat. (Tricks of the Trade: Inducing Sporulation, Culturing, Baiting and Selective Media)". LSU AgCenter Agent Training, August 19, 2008.
24. "Through the Looking Glass, (Use of Hand Lens and Microscope)". LSU AgCenter Agent Training, Baton Rouge, Louisiana, August 19, 2008.
25. "Greening (Huanglongbing) Disease". Asian Citrus Psyllid and Greening (Huanglongbing) Commercial and Home Citrus Production Program, Raceland, Louisiana, July 22, 2008.
26. "Top Ten Landscape Disease Issues and Their Control". Baton Rouge Landscape Association Landscape Management Short Course, Baton Rouge, Louisiana, July 16, 2008.
27. "Greening (Huanglongbing) Disease". Asian Citrus Psyllid and Greening Disease (Huanglongbing) Agent Training, Metairie, Louisiana, July 10, 2008.
28. "Citrus Greening". Plaquemine Parish Citrus Growers meeting, Belle Chase, Louisiana, July 9, 2008.
29. "Tomato Diseases". Terrebonne Parish 8<sup>th</sup> Annual Tomato Field Day, Houma, Louisiana, June 11, 2008.
30. "Common Diseases of Louisiana Lawns". Feliciana Parishes Home Landscape Program, Jackson, Louisiana, April 22, 2008.
31. "Diseases of Ornamentals and Turf". Non-Fee Commercial Pesticide Applicator Conference, Pineville, Louisiana, April 16, 2008.

32. "Recognition and Control of Diseases in the Home Vegetable Garden". Southwest Louisiana Garden Festival, Lake Charles, Louisiana, March 29, 2008.
33. "Typical Diseases in Typical Lawns". Northshore Garden Show, Covington, Louisiana, March 15, 2008.
34. "Ornamental Diseases". LSU AgCenter, Agent Training, Calhoun, Louisiana, March 11, 2008.
35. "Top Disease Problems and Management Solutions in Ornamentals and Turfgrass". Ornamental and Turfgrass Pest Management Workshop for Green Industry Professionals, Hammond, Louisiana, February 28, 2008.
36. "Common Diseases of Turfgrass". Southland Engine Company Turf Maintenance Program, Lafayette, Louisiana, February 27, 2008.
37. "Watermelon Disease Updates 2008". Vernon and Beauregard Parish Watermelon Growers Meeting, Rosepine, Louisiana, February 21, 2008.
38. "Watermelon Disease Updates 2008". Washington Parish Watermelon Growers Meeting, Franklinton, Louisiana, January 22, 2008.
39. "Sweet Potato Seed Survey Update and Direction for 2008". Seventy-first Annual Meeting, Louisiana Sweet Potato Association, Mansura, Louisiana, January 12, 2008.
40. "Seed Survey Update". Sweet Potato Advisory Meeting, Winnsboro, Louisiana, December 4, 2007.
41. "Turfgrass Disease Management". Commercial Pesticide Applicators Conference, Bossier City, Louisiana, November 28, 2007.
42. "Ornamental Disease Management". Commercial Pesticide Applicators Conference, Bossier City, Louisiana, November 28, 2007.
43. "Diseases of trees". Tree Troopers of Terrebonne Parish, Houma, Louisiana, November 6, 2007.
44. "Common Landscape Diseases". Louisiana Yards and Neighborhoods Training Session, Houma, Louisiana, October 16, 2007.
45. "Diseases of Vegetables and Strawberries". Livingston Parish Vegetable Production Program, Livingston, Louisiana, August 23, 2007.
46. "Diseases of Athletic Turf". Commercial Pesticide Applicator Conference, Hessmer, Louisiana, July 24, 2007.
47. "Selecting Vegetable Varieties for Disease Resistance". Mid-South Greenhouse Growers, Retail Garden Center/Landscape Conference, Raymond, Mississippi, June 5, 2007.

48. "Disease of Citrus and Their Management". Commercial Citrus Production Program, Abbeville, Louisiana, April 10, 2007.
49. "Mayhaw Diseases and their Control". Twelfth Annual Mayhaw Conference and Field Day, Pollack, Louisiana, March 23, 2007.
50. "Turfgrass Diseases for Horticultural Service Providers". Pest Management Workshop, Gulf States Horticultural Expo, Mobile, Alabama, February 1, 2007.
51. "Woody Ornamental Disease Issues in the Commercial Landscape". Pest Management Workshop, Gulf States Horticultural Expo, Mobile, Alabama, February 1, 2007.
52. "Diseases in the Landscape". Landscape Disease Program, Franklinton, Louisiana, January 31, 2007.
53. "Diseases in Commercial Ornamental Nursery Production". Commercial Horticulture Production Program, Forest Hill, Louisiana, January 24, 2007.
54. "Disease Management for Golf Course Greens". Bermudagrass Pest Management School, Patterson, Louisiana, January 23, 2007.
55. "Sweet Potato Seed Survey". Louisiana Sweet Potato Association Annual Meeting, Ville Platte, Louisiana, January 17, 2007.
56. "Two Diseases in Louisiana Turfgrasses". Louisiana Turfgrass Association and LSU AgCenter Turf Conference, Baton Rouge, Louisiana, January 11, 2007.
57. "Update on Fungicides for Use on Vegetables". ACE Vegetable Workgroup, LSU AgCenter Annual Conference, December 19, 2006.
58. "Tomato Yellow Leaf Curl Virus". Deep South Fruit and Vegetable Growers Conference and Trade Show, Mobile, Alabama, December 7, 2006.
59. "Current Disease Issues". Lawn and Landscape Update, Lafayette, Louisiana, November 30, 2006.
60. "Vegetable Diseases and Their Management". Vegetable Production Program, Houma, Louisiana, November 14, 2006.
61. "Disease Management for the Landscape". Commercial Pesticide Applicator Conference, Kenner, Louisiana, October 19, 2006.
62. "Turfgrass Disease Management". Commercial Pesticide Applicator Conference, Kenner, Louisiana, October 19, 2006.
63. "Do's and Don'ts of Plant Disease Sampling". LSU AgCenter Landscape Horticulture Workshop, Hammond, Louisiana, September 22, 2006.
64. "Current Ornamental Disease Issues". Northwest Louisiana Nursery and Landscape Association Meeting, Shreveport, Louisiana, August 30, 2006.

65. "Turfgrass Diseases". Commercial Pesticide Applicator Conference, Alexandria, Louisiana, May 3, 2006.
66. "Diseases of Landscape Ornamentals". Commercial Pesticide Applicator Conference, Alexandria, Louisiana, May 3, 2006.
67. "Diseases in Lawns, Trees, Ornamentals, Flowers and Their Control". Home Grounds Ornamentals Meeting, Vidalia, Louisiana, April 13, 2006.
68. "Diseases in the Home Garden and Landscape". Spring Workshop Series, St. Francisville, Louisiana, March 27, 2006.
69. "Tree Diseases in the Urban Landscape". St. John the Baptist Parish Tree Care Seminar, LaPlace, Louisiana, March 23, 2006.
70. "Mayhaw Diseases". Eleventh Annual Mayhaw Conference & Field Day, Woodworth, Louisiana, March 18, 2006.
71. "Organic Methods of Disease Control in the Home Garden". Organic Gardening Seminar, Lafayette, Louisiana, March 15, 2006.
72. "Vegetable and Fruit Diseases". Twenty-first Annual North Louisiana Fruit and Vegetable Growers Conference, Calhoun, Louisiana, March 9, 2006.
73. "Diseases of Citrus and Their Management". Home Citrus Growing Seminar, Lake Charles, Louisiana, February 23, 2006.
74. "Identification and Management of Vegetable Diseases". Vegetable Production Seminar, New Iberia, Louisiana, February 21, 2006.
75. "Recognition and Control of Diseases in the Home Vegetable Garden". Home Vegetable Garden Seminar, Lake Charles, Louisiana, February 9, 2006.
76. "A Tale of Two Fungi: Patch Diseases". Louisiana Turfgrass Association and LSU AgCenter Turf Conference, Baton Rouge, Louisiana, January 11, 2006.
77. "The effect of two melanin biosynthesis inhibitors on growth and reproduction of *Monosporascus cannonballus*". Poster presented at the American Phytopathological Society Annual Meeting, Anaheim, California, July 31-August 4, 2004.
78. "The effect of osmotic water potential on growth and reproduction of *Monosporascus cannonballus*". Poster presented at the Annual Meeting of the American Phytopathological Society, Anaheim, California, July 31-August 4, 2004.
79. "Major Diseases of Palm Occurring in California". California Department of Food and Agriculture Southern District Plant Pathology Workshop, Riverside, California, October 28, 2003.

80. "Effect of fumigation depth on root rot of melon caused by *Monosporascus cannonballus*". Paper presented at the Annual Meeting of the Pacific Division of the American Phytopathological Society, Kailua-Kona, Hawaii, June 22-24, 2003.
81. "Differential virulence of six species of *Phytophthora* to eight cultivars of *Ceanothus* sp.". Paper presented at the Annual Meeting of the American Phytopathological Society, Portland, Oregon, August 8-12, 1992.
82. "Effect of soil type and rootstock on *Phytophthora* root rot of avocado". Poster presented at the Annual Meeting of the American Phytopathological Society, St. Louis, Missouri, August 17-21, 1991.
83. "A mathematical model to describe the movement of *Phytophthora* zoospores through soil". Poster presented at the Annual Meeting of the American Phytopathological Society, Cincinnati, Ohio, August 2-6, 1987.
84. "The influence of density and patchiness of inoculum on the epidemiology of tobacco black shank". Paper presented at the American Phytopathological Society Annual Meeting, Guelph, Ontario, Canada, August 12-16, 1984.
85. "The influence of soil water status on the epidemiology of tobacco black shank". Poster presented at the annual meeting of the American Phytopathological Society, Guelph, Ontario, Canada, August 12-16, 1984.
86. "Spatial pattern of *Phytophthora parasitica* var. *nicotianae* in infested tobacco field soil". Poster presented at the American Phytopathological Society Annual Meeting, Ames, Iowa, June 26-30, 1983.
87. "Black rot of Concord and Niagara grapes: periods of conidial dispersal and host susceptibility". Paper presented at the American Phytopathological Society Annual Meeting, Kansas City, Missouri, July 11-16, 1976.
88. "Black rot of Concord grapes: periods of ascospore dispersal and host susceptibility". Paper presented at the North Central Division of the American Phytopathological Society Annual Meeting, West Lafayette, Indiana, June 23-24, 1975.

#### **PARTICIPATION IN AND LEADERSHIP OF PROFESSIONAL ORGANIZATIONS/COMMITTEES**

##### **Participation in Professional Meetings:**

- 1) Southeastern Vegetable Extension Workers Annual Meeting, Fletcher, North Carolina, August 12-13, 2009.
- 2) Regional Small Fruits Guides Planning/Working Meeting, Fletcher, North Carolina, August 11-12, 2009.
- 3) American Phytopathological Society Annual Meeting, Portland, Oregon, August 1-5, 2009.

- 4) Cucurbit Downy Mildew ipmPIPE Meeting, Portland, Oregon, August 4, 2009.
- 5) Plant Health Progress Editors' Meeting, Portland, Oregon, August 3, 2009.
- 6) Louisiana County Agriculture Agents Association Annual Meeting, Scott, Louisiana, June 2-3, 2009.
- 7) Southern Division of the American Phytopathological Society Annual Meeting, Atlanta, Georgia, February 1-2, 2009.
- 8) National Sweetpotato Collaborators Group Annual Meeting, Atlanta, Georgia, January 31 - February 1, 2009
- 9) Southern Blueberry and Small Fruit Working Group Annual Meeting, Atlanta, Georgia, January 31, 2009.
- 10) Gulf Coast Horticulture Expo, Mobile, Alabama, January 29, 2009.
- 11) National Sweetpotato Council Annual Meeting, Baton Rouge, Louisiana, January 26, 2009.
- 12) Southeast Fruit and Vegetable Conference and Trade Show, Savannah, Georgia, January 9-10, 2009.
- 13) Deep South Fruit and Vegetable Growers Conference and Trade Show, Mobile, Alabama, December, 4, 2008.
- 14) Southeastern Vegetable Extension Workers Annual Meeting, Fletcher, North Carolina, August 13-14, 2008.
- 15) Regional Small Fruits Guides Planning/Working Meeting, Fletcher, North Carolina, August 12-13, 2008.
- 16) Citrus Greening Technical Working Group Meeting, New Orleans, Louisiana, August 6-8, 2008.
- 17) American Phytopathological Society Annual Meeting, Minneapolis, Minnesota, July 26-30, 2008.
- 18) Cucurbit Downy Mildew ipmPIPE Meeting, Minneapolis, Minnesota, July 28, 2008.
- 19) Southern Division of the American Phytopathological Society Annual Meeting, Dallas, Texas February 3-4, 2008.
- 20) Louisiana Sweet Potato Association Annual Meeting, Mansura, Louisiana, January 12, 2007.
- 21) IR-4 Ornamental Horticulture Program Workshop, Cherry Hill, New Jersey, October 10-11, 2007.
- 22) American Phytopathological Society Annual Meeting, San Diego, California, July 28 – August 1, 2007.

- 23) Southeastern Vegetable Extension Workers Annual Meeting, Fletcher, North Carolina, August 15-16, 2007.
- 24) Regional Small Fruits Guides Planning/Working Meeting, Fletcher, North Carolina, August 14, 2007.
- 25) SERA/IEG Turf Meeting, Knoxville, Tennessee, June 19-21, 2007.
- 26) Sweetpotato IPM Project Annual Meeting, Raleigh, North Carolina, March 28-29, 2007.
- 27) Twelfth Annual Mayhaw Conference and Field Day, Pollack, Louisiana, March 23, 2007.
- 28) Syngenta Ornamental Technical Forum, Honolulu, Hawaii, March 6-8, 2007.
- 29) Southern Division of the American Phytopathological Society Annual Meeting, Mobile, Alabama, February 4-5, 2007.
- 30) Southern Blueberry and Small Fruit Working Group Annual Meeting, Mobile, Alabama, February 3-4, 2007.
- 31) National Sweetpotato Collaborators Group Annual Meeting, Mobile, Alabama, February 3-4, 2007.
- 32) Gulf Coast Horticulture Expo, Mobile, Alabama, February 1-2, 2007.
- 33) Louisiana Sweet Potato Association Annual Meeting, Ville Platte, Louisiana, January 17, 2007.
- 34) Louisiana Turfgrass Association and LSU AgCenter Turf Conference, Baton Rouge, Louisiana, January 11, 2007.
- 35) Deep South Fruit and Vegetable Growers Conference and Trade Show, Mobile, Alabama, December 6-7, 2006.
- 36) Southeastern Vegetable Extension Workers Annual Meeting, Fletcher, North Carolina, August 16-17, 2006.
- 37) Louisiana County Agriculture Agents Association Annual Meeting, Covington, Louisiana, June 5-6, 2006.
- 38) Eleventh Annual Mayhaw Conference and Field Day, Woodworth, Louisiana, March 18, 2006.
- 39) Twenty-First Annual North Louisiana Fruit and Vegetable Growers Conference, Calhoun, Louisiana, March 9, 2006.
- 40) Southern Division of the American Phytopathological Society Annual Meeting, Orlando, Florida, February 5-6, 2006.
- 41) National Sweetpotato Collaborators Group Annual Meeting, Orlando, Florida, February 4-5, 2006.
- 42) IR-4 Phytophthora capsici Workshop, Orlando, Florida, February 4, 2006.

- 43) Sweetpotato IPM Project Annual Meeting, Orlando, Florida, February 2-3, 2006.
- 44) Louisiana Turfgrass Association and LSU AgCenter Turf Conference, Baton Rouge, Louisiana, January 11, 2006.
- 45) Deep South Fruit and Vegetable Growers Conference and Trade Show, Mobile, Alabama, December 7-9, 2005.
- 46) Soil Fungus Conference, Reno, Nevada, March 23-24, 2004.
- 47) American Phytopathological Society Annual Meeting, Las Vegas, Nevada, November 8-12, 1998.
- 48) American Phytopathological Society Annual Meeting, Albuquerque, New Mexico, August 6-10, 1994.
- 49) American Phytopathological Society Annual Meeting, Nashville, Tennessee, November 6-10, 1993.
- 50) American Phytopathological Society Annual Meeting, Portland, Oregon, August 8-12, 1992.
- 51) American Phytopathological Society Annual Meeting, St. Louis, Missouri, August 17-21, 1991.
- 52) American Phytopathological Society Annual Meeting, Grand Rapids, Michigan, August 4-8, 1990.
- 53) American Phytopathological Society Annual Meeting, Richmond, Virginia, August 20-24, 1989.
- 54) American Phytopathological Society Annual Meeting, San Diego, California, November 13-17, 1988.
- 55) American Phytopathological Society Annual Meeting, Cincinnati, Ohio, August 2-6, 1987.
- 56) American Phytopathological Society Annual Meeting, Orlando, Florida, August 10-14, 1986.
- 57) American Phytopathological Society Annual Meeting, Reno, Nevada, August 11-15, 1985.
- 58) American Phytopathological Society Annual Meeting, Guelph, Ontario, Canada, August 12-16, 1984.
- 59) Third International Symposium on Microbial Ecology, East Lansing, Michigan, August 7-12, 1983.
- 60) American Phytopathological Society Annual Meeting, Ames, Iowa, June 26-30, 1983.
- 61) American Phytopathological Society Annual Meeting, Salt Lake City, Utah, August 8-12, 1982.
- 62) American Phytopathological Society Annual Meeting, Washington, D.C., 1979.
- 63) American Phytopathological Society Annual Meeting, Tucson, Arizona, October, 1978.
- 64) Florida State Horticultural Society Annual Meeting, Orlando, Florida, 1977.

- 65) American Phytopathological Society Annual Meeting, Kansas City, Missouri, July 11-15, 1976.
- 66) North Central Division of the American Phytopathological Society Annual Meeting, West Lafayette, Indiana, June 23-24, 1975.

**Membership in Professional Organizations:**

- 1) American Phytopathological Society, 1976 to present.
  - a) Member, Extension Committee, 2007 to present.
  - b) Member, Soil Microbiology and Root Disease Committee, 1987 – 1992.
- 2) International Society for Plant Pathologists, 1990 to present.
- 3) Southern Division of the American Phytopathological Society, 2006 to present.
- 4) Southern Association of Agricultural Scientists, 2006 to present.
- 5) Louisiana County Agents Association, 2006 to present.
- 6) Louisiana Nursery & Landscape Association, 2006 to present.
- 7) Alpha Alpha Chapter (LSU) of Epsilon Sigma Phi, 2006 to present
- 8) Pacific Division of the American Phytopathological Society, 1992 to 2005.

**Leadership Roles in Professional Organizations/Committees:**

- 1) Secretary/Treasurer, Southern Division of the American Phytopathological Society, 2009 to present.
- 2) Senior Editor, Plant Health Progress (online journal of the American Phytopathological Society), 2009 to present.
- 3) Immediate Past Chair, Soil Microbiology and Root Disease Committee of the American Phytopathological Society, 1991 – 1992.
- 4) Chair, Soil Microbiology and Root Disease Committee of the American Phytopathological Society, 1990 – 1991.
- 5) Vice Chair, Soil Microbiology and Root Disease Committee of the American Phytopathological Society, 1989 – 1990.

### ***CONTINUED COURSEWORK, IN-SERVICE TRAINING, SABBATICALS, PROFESSIONAL DEVELOPMENT***

- 1) Midas® Certified Applicator Training, Arysta Corporation, September 17, 2009.
- 2) USDA CSREES Integrated Competitive Programs Grantsmanship Workshop, Las Vegas, NV, March 9-10, 2009.
- 3) eXtension Workshop, Las Vegas, NV, March 10, 2009.
- 4) Information Technology and Communications Training, LSU Agricultural Center, August 18, 2008.
- 5) HRE 7622, "Evaluation Methods", audited, Louisiana State University, Fall 2006.
- 6) CMS Training, LSU Agricultural Center, October 26, 2006.

### ***PARTICIPATION IN PUBLIC POLICY AND COMMUNITY ISSUES***

None.

### ***AWARDS AND RECOGNITION***

- 1) Extension Publication Award – Extension Materials Award (Category: Book) from the American Society for Horticultural Science as a member of the Southeastern Vegetable Extension Workers for the "Vegetable Crop Handbook", 2009.
- 2) Extension Publication Award - Blue Ribbon Award from the Southern Region of the American Society for Horticultural Science as co-author of the "Guide to Louisiana Friendly Landscapes," a study manual for the Louisiana Yards and Neighborhood educational program, 2008.
- 3) Nominated for the Denver T. & Ferne Loupe Team Award as part of the LSU AgCenter team effort: "Response to the detection of the Asian citrus psyllid and greening disease of citrus in Louisiana", 2008.
- 4) Invited to attend the 2007 Ornamental Technical Forum sponsored by Syngenta, Honolulu, Hawaii, March 5-9, 2007.
- 5) 2004-2005 Incentive Award, University of California, Riverside, May 24, 2005.
- 6) 2004 Development Award, University of California, Riverside, July 16, 2004.
- 7) 2003-2004 Incentive Award, University of California, Riverside, July 16, 2004.
- 8) 2003 SPOT Award, University of California, Riverside, May 22, 2003.
- 9) 2002-2003 Incentive Award, University of California, Riverside, April 15, 2003.

- 10) Industry Award (for Outstanding Paper), Florida State Horticultural Society, 1978.

### ***MULTI-INSTITUTION, AGENCY, AND STATE COLLABORATION***

**Cucurbit Downy Mildew ipmPIPE.** This is a multi-state, multi-institutional collaboration involving extension plant pathologists from 22 land grant universities across the eastern U.S. who establish and monitor sentinel plots of cucurbits to detect the occurrence of downy mildew. This information is being used to develop a disease forecasting system that will allow growers to prepare for and prevent this disease. My role in this project has been to establish and monitor sentinel plots at the Burden Research Center in Baton Rouge, the Red River Research Station near Bossier City, and in a commercial watermelon field near Rosepine, Louisiana.

**eXtension Community of Practice “All About Blueberries”.** This is a multi-state, multi-institutional, multi-disciplinary collaboration involving extension personnel in the areas of horticulture, entomology, plant pathology and weed science from land grant universities across the southeastern U.S. as well as LSU AgCenter communications specialists and program evaluation experts to develop a new Community of Practice for the eXtension website.

**Regional Small Fruits Guides.** This is a multi-state, multi-institutional, multi-disciplinary collaboration involving extension personnel in the areas of horticulture, entomology, plant pathology and weed science from land grant universities across the southeastern U.S. who meet annually to revise and update the Southeast Regional Small Fruit Integrated Management Guides for blueberries, brambles, bunch grapes, muscadine grapes and strawberries.

**Southeast Vegetable Extension Workers.** This is a multi-state, multi-institutional, multi-disciplinary collaboration involving extension personnel in the areas of horticulture, entomology, plant pathology and weed science from nine land grant universities across the southeastern U.S. who meet annually to revise and update the Vegetable Crop Handbook for the Southeastern U.S.

**Sweetpotato RAMP Project.** This was a multi-state, multi-institutional, multi-disciplinary collaboration involving research and extension personnel in the areas of horticulture, entomology, plant pathology and weed science from four land grant universities of the southeastern U.S. The overall goal of this project was to develop decision making tools for growers to reduce risk and enhance the sustainability of sweetpotato pest management systems. The specific goals related to plant pathology were to identify field characteristics that predispose sweetpotato roots to postharvest diseases and to identify factors in the packinghouse that contribute to postharvest disease development. My role was to help collect data and prepare a bulletin on proper postharvest handling of sweetpotatoes, and brochures on food safety certification, packingline sanitation and the importance of reducing impacts on the packingline (these latter two brochures are still in preparation).

### ***OTHER SCHOLARLY OR CREATIVE ACTIVITIES***

Refereed manuscripts for *Phytopathology* (3), *Plant Disease* (9), *Canadian Journal of Plant Pathology* (1), *Plant and Soil* (1), *Australasian Plant Pathology* (1), *HortScience* (12), *HortTechnology* (1) and *Plant Health Progress* (11).

Reviewed chapters in the University of California IPM Manual and “Pests of Landscape Trees and Shrubs”, Publication 3359, University of California Statewide Integrated Pest Management Program.

Reviewed grant proposals for USDA (1), NSF (3), and the University of California Statewide IPM Program (>30).

**Graduate Student Mentoring:**

As Graduate Advisor:

- 1) Fred E. Brooks, PhD, 1994, Department of Plant Pathology, University of California, Riverside, California.
- 2) MaryLou Polek, PhD, 1993, Department of Plant Pathology, University of California, Riverside, California.
- 3) Craig M. Sandlin, PhD, 1992, Department of Plant Pathology, University of California, Riverside, California.

As Committee Member:

- 4) Deborah M. Mathews, PhD, 1992, Department of Plant Pathology, University of California, Riverside, California.
- 5) Jing G. Fang, PhD, 1991, Department of Plant Pathology, University of California, Riverside, California.
- 6) Brad K. Gabor, PhD, 1990, Department of Plant Pathology, University of California, Riverside, California.
- 7) Marival L. Oliveira, PhD, 1990, Department of Plant Pathology, University of California, Riverside, California.
- 8) Louise-Marie C. Dandurand, PhD., 1990, Department of Plant Pathology, University of California, Riverside, California.
- 9) Karen L. Robb, PhD, 1989, Department of Entomology, University of California, Riverside, California.
- 10) Diane J. Appel, MS, 1989, Department of Plant Pathology, University of California, Riverside, California.
- 11) Amy L. Lutz, PhD, 1987, Department of Plant Pathology, University of California, Riverside, California.

**Teaching:**

- 1) PLHL 8800 – “Practicum in Plant Pathology” (1 lecture, 2 labs), Summer 2009, 4 students.

- 2) PLHL 8800 – “Practicum in Plant Pathology” (1 lecture, 1 lab), Spring 2009, 3 students.
- 3) HORT 2022 – “Installation and Maintenance of Ornamentals in the Landscape” (1 lecture, 1 lab), Spring 2009, 11 students.
- 4) PLHL 8800 – “Practicum in Plant Pathology” (2 lectures, 2 labs), Summer 2008, 3 students.
- 5) PLHL 7052 – “Seminar in Plant Pathology”, Spring 2008, 2 students.
- 6) HORT 2022 – “Installation and Maintenance of Ornamentals in the Landscape” (1 lecture, 1 lab), Spring 2008, 19 students.
- 7) HORT 2086 – “Introduction to Turfgrass Management” (1 lecture), Fall 2007, 10 students.
- 8) PLHL 8800 – “Practicum in Plant Pathology” (1 lecture, 1 lab), Summer 2007, 5 students.
- 9) HORT 2022 – “Installation and Maintenance of Ornamentals in the Landscape” (1 lecture, 1 lab), Spring 2007, 10 students.
- 10) PLHL 4000 – “General Plant Pathology” (1 lab), Fall 2006, 15 students.
- 11) HORT 2086 – “Introduction to Turfgrass Management” (1 lecture), Fall 2006, 10 students.
- 12) HORT 2022 – “Installation and Maintenance of Ornamentals in the Landscape” (1 lecture, 1 lab), Spring 2006, 7 students.
- 13) PLPA 120 & PLPA 120L – “Introduction to Plant Pathology” (3-unit lecture and 2-unit lab courses, taught 2 time from 1987 – 1988), Department of Plant Pathology, University of California, Riverside, California.
- 14) PLPA 120 – “Introduction to Plant Pathology” (4-unit undergraduate course with lab, taught 4times from 1989 - 1994), Department of Plant Pathology, University of California, Riverside, California.
- 15) PLPA 235 – “Epidemiology of Plant Disease” (4-unit graduate course, taught 3 times from 1987 - 1994), Department of Plant Pathology, University of California, Riverside, California.
- 16) PLPA 250 – “Seminar in Plant Pathology” (1-unit graduate course, coordinated for one year), Department of Plant Pathology, University of California, Riverside, California.

**ORGANIZATIONS ADVISED**

None.

### **RECRUITMENT OF STUDENTS AND FACULTY**

- 1) Participated in departmental recruiting effort at the LSU Graduate & Professional School Fair, October 30, 2008.
- 2) Participated in departmental recruiting effort at the University of Louisiana at Lafayette's Fall 2006 Career Day, September 27, 2006.

### **UNIVERSITY SERVICE**

- 1) Chair, Faculty Search Committee (Vegetable and Community/School Gardening Specialist), School of Soil, Plant and Environmental Sciences, LSU Agricultural Center, 2009.
- 2) Hort Council Produce Safety/Produce Traceability Committee, LSU Agricultural Center, 2009.
- 3) CMS Content Reviewer (for Disease Management), LSU Agricultural Center, 2009 to present.
- 4) Judge, 4-H Competition in Horticulture, 4-H University, LSU Agricultural Center, June 24, 2009.
- 5) Space Committee, Department of Plant Pathology and Crop Physiology, LSU Agricultural Center, 2008 to present.
- 6) CSREES Review Committee, Department of Plant Pathology and Crop Physiology, LSU Agricultural Center, 2007 – 2008.
- 7) Seminar Committee, Department of Plant Pathology and Crop Physiology, LSU Agricultural Center, 2007 – 2008.
- 8) Faculty Search Committee (Mycologist), Department of Plant Pathology and Crop Physiology, LSU Agricultural Center, 2007.
- 9) Departmental Representative at the University and College of Agriculture graduation ceremonies, Spring 2007.
- 10) Research Affiliate Member, The Graduate School, Louisiana State University, 2006 to present.
- 11) Safety Committee, Department of Plant Pathology and Crop Physiology, LSU Agricultural Center, 2006 to present.
- 12) Chair, Faculty Search Committee (Diagnostician), Department of Plant Pathology and Crop Physiology, LSU Agricultural Center, 2006.
- 13) Graduate Affairs Committee, Department of Plant Pathology, University of California, Riverside, 1992 – 1993.
- 14) Member of Grant Review Panel, UC Statewide IMP Workgroup, University of California, Riverside, California, 1990 – 1993.

- 15) Departmental Representative to the Executive Committee of the College of Natural and Agricultural Sciences, Department of Plant Pathology, University of California, Riverside, 1990 – 1992.
- 16) Departmental Representative to University Plant Pathology Council, Department of Plant Pathology, University of California, Riverside, 1989 – 1993.
- 17) Departmental Quarantine Representative, Department of Plant Pathology, University of California, Riverside, 1989 – 1992.
- 18) Faculty Search Committee (Biological Control), Department of Plant Pathology, University of California, Riverside, 1989.
- 19) Seminar Committee, Department of Plant Pathology, University of California, Riverside, 1988 – 1990.
- 20) Greenhouse Committee, Department of Plant Pathology, University of California, Riverside, 1986 – 1993.

#### ***PROFESSIONAL SERVICE***

- 1) Secretary/Treasurer, Southern Division of the American Phytopathological Society, 2009 to present.
- 2) Senior Editor, Plant Health Progress (online journal of the American Phytopathological Society), 2009 to present.
- 3) Board Member, Louisiana County Agriculture Agents Association, 2009 to present.
- 4) Advisory Panel Member, SCRI Grant: “Advancing Blueberry Production Efficiency by Enabling Mechanical Harvest, Improving Fruit Quality and Safety, and Managing Emerging Diseases”, University of Georgia, University of Florida and North Carolina State University, 2008 to present.
- 5) Member, Extension Committee, American Phytopathological Society, 2007 to present.
- 6) Associate Editor, Plant Health Progress (online journal of the American Phytopathological Society), 2007 – 2008.
- 7) Member, Agronomy/Pest Management Committee, Louisiana County Agriculture Agents Association, 2006 to present.
- 8) Member, Soil Microbiology and Root Disease Committee, 1987 – 1992.
- 9) Chair, Soil Microbiology and Root Disease Committee of the American Phytopathological Society, 1990 – 1991.
- 10) Vice Chair, Soil Microbiology and Root Disease Committee of the American Phytopathological Society, 1989 – 1990.

***OTHER EXTERNAL AND COMMUNITY SERVICE***

- 1) Volunteer, Cystic Fibrosis Foundation, 2008 Baton Rouge Wine Opener, Baton Rouge, Louisiana, 2008.
  - 2) Volunteer, Hospice of Baton Rouge, Decorator's Show Home 2008, Baton Rouge, Louisiana, 2008.
  - 3) Volunteer Instructor, Orange County Master Gardener Program, University of California Cooperative Extension, Orange County California, 1999 – 2005.
-