

NORMAN CAREY LEPPLA

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BIOGRAPHY

Dr. Leppla has dedicated more than 40 years to advancing the science and practice of entomology by studying insects in an effort to protect agriculture and human health. His work is encompassed in the field of integrated pest management (IPM), emphasizing biological control and associated insect rearing technology. His major accomplishments include enabling pest management research and technology by developing new insect mass production systems, establishing the first biological control laboratory specifically to support the commercial natural enemy industry, leading a federal agency's responses to serious pest outbreaks that threatened American agriculture, collaboratively designing and establishing the USDA, APHIS National Biological Control Institute, leading the design and construction of a new research and education center in Central Florida, and creating and leading the first statewide IPM program at the University of Florida. As director of the UF/IFAS IPM Program and a practicing Board Certified Entomologist, Dr. Leppla works with faculty members, students and cooperators to strengthen IPM research, Extension, and education programs. A notable example is involvement in the Plant Medicine Program that provides broad training for students to become plant health professionals, "Plant Doctors." His recent emphasis has been on plant biosecurity, safeguarding the U.S. against alien invasive species. He has authored more than 200 publications on a wide range of entomological topics and presented a greater number of papers on his research, Extension and administrative activities, many national and international, often by special invitation. Dr. Leppla has served as chairman of the Florida A&M University Center for Biological Control Advisory Committee, a member of the International IPM Symposium Steering Committee and chairman of the IPM Voice Advocacy Committee, Environmental Entomology Subject Editor for Biological Control, an instructor for the annual Mississippi State University Insect Rearing Workshop, an advisor to the Association of Natural Biocontrol Producers, and a member of several UF faculty committees. He completed service as chairman of the Southern Region State IPM Coordinators, chairman of the Southern Region IPM Center Advisory Council, co-chairman of the International Organization for Biological Control Arthropod Mass Rearing and Quality Control Working Group, and member of the Editorial Board of Environmental Entomology. He has served the Entomological Society of America as Board Certified Entomologist Program examiner and director, chair of the Public Information Committee, member of the Strategic Planning Committee, and Southeastern Branch Linnaean Game Master and President. Dr. Leppla frequently provides consultation on IPM, biological control, and insect colonization and mass production, and is a mentor to entomologists, scientists and students throughout the world. He is dedicated to the discovery and implementation of effective IPM technologies that do not damage the environment.

EDUCATION

- B.S., Arizona State University (Zoology), 1968
- M.S., Arizona State University (Zoology), 1970
- Ph.D., University of Arizona (Entomology/ Biological Sciences), 1972

EMPLOYMENT

- Professor & Program Director, IPM (2001-present), University of Florida.
- Professor (1999-2001), University of Florida.
- Professor & Center Director (1997-1998), University of Florida.
- Associate Director (1995-1996), USDA, APHIS, National Biological Control Institute.
- Director (1989-1994), USDA, APHIS, Science and Technology, Methods Development.
- Research Leader (1988-1989), USDA, ARS, Biological Control of Pests Research Lab.
- Research Entomologist (1972 - 1988), USDA, ARS, IABBRL

Professor & Program Director, IPM, UF, IFAS. Dr. Leppla is assigned to establish liaison with clientele, provide scientific and technical consultation, develop research partnerships, oversee delivery of IPM and biological control technologies, help develop and implement large-scale natural enemy production systems, devise a workable structure for quality control protocols in arthropod mass rearing and release programs, coordinate biological control and integrated pest management activities, develop and write research and extension documents, help produce extension materials, maintain a network of essential contacts and resources, and review the work of others and provide recommendations, participate in professional development activities, and serve as a faculty representative of UF, IFAS and the Department of Entomology and Nematology. He implements new pest management technologies in IPM systems, primarily by enhancing the commercial biological control industry.

Professor, Department of Entomology and Nematology, UF, IFAS. Dr. Leppla had research and extension responsibility for developing and implementing biological control technologies for the vegetable, ornamental and small farm sustainable agriculture industries, and for organizations that manage aquatic, wetland and invasive plants. He conducted research on the conservation and use of natural enemies to improve the productivity, profitability and safety of agriculture and to protect natural resources and biodiversity.

Professor & Director, Central Florida Research and Education Center. Dr. Leppla was responsible for merging experiment stations at Apopka, Leesburg and Sanford, Florida into a new \$12 to \$15 million campus he helped design and build at Apopka. The facility will house about 20 faculty and 75 staff members, and supports about 200 students. The Center has five academic departments, including horticultural sciences, plant pathology, environmental horticulture, entomology, and food and resource economics. The faculty and staff provide research, extension and education programs on interior foliage plants, cut foliage, landscape ornamentals, watermelon, spring and winter vegetables, grapes and related crops. The emphasis continues to be on developing new plant varieties with improved growth characteristics, and disease and pest resistance; more efficient, profitable, and environmentally sensitive plant production systems, and pest and disease management practices; and advanced economic

analyses and planning.

Associate Director, National Biological Control Institute. Dr. Leppla led a team that designed and implemented the National Biological Control Institute by determining its mission and immediate objectives, establishing the User-Advisory Panel, building a national electronic bulletin board system and initiating a facilitation grant program. An infrastructure was built and staff recruited, requiring the composition of novel position descriptions. As Associate Director, he currently helps to manage this entrepreneurial, scientifically-based group that is committed to building partnerships for solving pest management problems, leveraging resources, developing initiatives to implement biological control, and reducing the global use of high-risk pesticides. He continues to serve as a source of scientific expertise to APHIS management and staff, and the biological control community, for building comprehensive biological control programs that include not only the importation and safe release of natural enemies but also augmentation and conservation biological control. He has developed and written publications and documents that help educate and inform targeted individuals and groups, maintained an international network of contacts and resources, and reviewed the work of others to provide recommendations for improving the quality and efficiency of biological control research and implementation in integrated pest management. He has established a technology identification, development and delivery framework among federal, state and industrial organizations to resolve technical problems in using biological control and has fostered testing and registration of new technologies to assist the biological control industry in providing safe and efficacious products.

Chief, USDA, APHIS, PPO, Methods Development. Dr. Leppla managed the APHIS Methods Development program for almost five years to help optimize existing pest control practices and develop new technologies for pest exclusion, detection, containment and control by overseeing methods development projects to evaluate new biological and chemical materials, adapt or invent equipment, provide technical consultation and training, and collect and disseminate pertinent information and by participating in strategic and tactical planning, serving as a liaison between APHIS and the research community, and helping to integrate technological advancements into integrated pest management systems. He established a new Center, consolidated two others, negotiated relocation of another, eliminated three Stations, and moved several employees. He also established a new pest response capability and conducted a workshop to document national agricultural quarantine inspection and commodity treatment needs, and provided guidance in establishing a genetic identification laboratory. In addition, he helped develop an expert systems capability for areawide pest management. He participated in inter-agency and inter-departmental meetings to exchange information on emerging issues and recommend coordinated action. He authored APHIS contributions to ARS Action Plans and provided an interface for technology development with industry. Productivity, responsiveness, and efficiency increased, and the Methods Development workforce stabilized at 100 effective employees. This strengthening was accomplished by networking and building an appropriate infrastructure for project design, conduct, review and documentation; developing pest control recommendations; facilitating technology transfer; recruiting high caliber scientists and technicians; evaluating and rewarding staff appropriately; maintaining competence; providing equipment and expertise; and demonstrating the scientific and operational excellence that exists within APHIS.

Research Leader, Biological Control of Pests Research Laboratory. As the first Research Leader

of this ARS laboratory, Dr. Leppla led a team of scientists in developing mass propagation technology for natural enemies of high priority arthropod and weed pests. He conducted independent and team research, designed and initiated construction of new facilities, recruited personnel, drafted the "Current Research Information System" documentation for the laboratory, reviewed related areas of science and technology, and formulated recommendations for management. He also cooperated directly with scientists at universities, state experiment stations, and industrial laboratories, thereby contributing informal guidance to their research programs.

Research Entomologist, USDA, ARS, Insect Attractants Laboratory. Dr. Leppla co-organized and co-chaired the first international conference on insect rearing; helped to establish the scientific discipline by cooperatively organizing the 600-member International Insect Rearing Group and its newsletter, writing and editing fundamental publications, coordinating collaborative research and applications, and reviewing international programs; and built an effective network of practitioners. He successfully reared several insect species that had never before been maintained in the laboratory, enabling year-round research, and developed facilities, materials, equipment, and procedures for efficient large-scale production of pest species. He conducted some of the first comprehensive studies on the processes of insect colonization and provided behavioral analysis techniques for assessing the quality of mass-produced insects for use in pest management.

GRADUATE COMMITTEES (Since 2000)

Applicant's Role	Student	Research Topic	Home Dept.	Complete Date
Chair, 10 Doctor of Plant Medicine (DPM) Committees	Javier Garces	IPM crops	Agronomy	2003
	Dan Sonke	IPM crops	Entomology & Nematology	2005
	Esther Dunn	IPM, regulatory	Entomology & Nematology	2005
	Denise Thomas	IPM, regulatory	Plant Pathology	2008
	Joyce Merritt	IPM, regulatory	Entomology & Nematology	2010
	Kirk Martin	IPM, regulatory	Entomology & Nematology	2012
	Rafael Vega	IPM crops	Entomology & Nematology	2012
	Ken Johnson	IPM, regulatory	Entomology & Nematology	2012
	Tatiana Sanchez	IPM, crops	Entomology & Nematology	2014
	Lanette Sobel	IPM, forestry	Entomology & Nematology	2017

Member, 8 Doctor of Plant Medicine (DPM) Committees	Rajya Pandey	IPM crops	Plant Pathology	2005
	John Porter	IPM crops	Plant Pathology	2006
	Brian Jackson	IPM crops	Agronomy	2008
	Leroy Whilby	IPM crops	Agronomy	2008
	Heidi Bowman	IPM crops	Entomology & Nematology	2011
	Alicyn Ryan	IPM crops	Plant Pathology	2015
	Christopher Kerr	IPM crops	Entomology & Nematology	2016
	Kayla Thomason	IPM crops	Agronomy	2017
Chair, 2 Ph.D. Committee	Erika Machtinger	Biological control	Entomology & Nematology	2015
	Simon Yeboah	Fruit flies	Entomology & Nematology	2018
Member, 8 Ph.D. Committees	Richard Pluke	IPM diamond- back moth	Entomology & Nematology	2005
	Kathryn Barbara	Mole cricket biology	Entomology & Nematology	2005
	Rebecca Baldwin	Insecticides	Entomology & Nematology	2006
	Matthew Aubuchon	Photoperiodism in urban pests	Entomology & Nematology	2006
	Esteban Rodriguez	Pepper weevil biological control	Entomology & Nematology	2006
	Raphael Pierre	Mediterranean fruit fly control	Food & Res. Economics	2007
	Oulimathe Paraiso	Biological control risk assessment	Entomology & Nematology	2010
	Ania Szyniszewska	Invasive species	Geography, Emerging Path	2013
Chair, 11 Masters Committees	Scott Weihman	IPM of grape pests	Entomology & Nematology	2004
	Scott Portman	IPM of mole crickets	Entomology & Nematology	2007
	Kevyn Juneau	Community IPM	Entomology & Nematology	2009
	Colin Malone	Agricultural IPM	Entomology & Nematology	2009
	Erika Machtinger	Biological control	Entomology &	2011

			Nematology	
	Angie Nino	Biological control	Entomology & Nematology	2013
	Ziyi Zhang	Biological control	Entomology & Nematology	2013
	Paula Kelley	Agricultural IPM	Entomology & Nematology	2013
	Nikki Swart	Agricultural IPM	Entomology & Nematology	2013
	Brooke Moffis	Entomology	Entomology & Nematology	2014
	Christopher Kerr	Biological control	Entomology & Nematology	2015
Member, 12 Masters Committees	Matthew Brightman	Fungi to control fire ants	Entomology & Nematology	2003
	Angela Brammer	Non-thesis Scientific writing	Entomology & Nematology	2003
	Trevor Smith	Grasshopper feeding behavior	Entomology & Nematology	2003
	Karin Hallborg	Biological control of aphids	Entomology & Nematology	2003
	Jaycee Turner	Management of kermes scale	Entomology & Nematology	2004
	Ania Szyniszewska	Invasive species	History, Emerging Path.	2011
	Whitney Cherry	Agricultural IPM	Entomology & Nematology	2012
	Kara Tyler-Julian	Vegetable IPM	Entomology & Nematology	2013
	Manish Poudel	Biological control	Entomology & Nematology	2013
	Sarahlyne Guerrero	Regulatory Agriculture	Entomology & Nematology	2013
	Grace Mhina	Biological control Economics	Business, FAMU	2013
	Tom Skarlinsky	Biological control	Entomology & Nematology	2015

ACCOMPLISHMENTS

First statewide integrated pest management (IPM) program in Florida. Established the program at the University of Florida, Institute of Food and Agricultural Sciences, including IPM and biological control research, extension and education. New pest management technologies, emphasizing biological control, have been developed and implemented in collaboration with public and private organizations that can use them to improve Florida's agricultural productivity and profitability, protect urban environments, and preserve natural resources.

Leadership to organizations. Served as chairman of the Florida A&M University Center for Biological Control, vice-chairman of the Florida Viticulture Advisory Council, chairman of Southern Region Research Project S-303, conference chairman of the Association of Natural Biocontrol Producers, Pioneer Lecture chairman of the Florida Entomological Society, and co-chairman of the International IPM Symposium Program Committee, chairman IPM Voice Advocacy Committee, President Entomological Society of America, Southeastern Branch, chairman UF/IFAS Tenure-Permanent Status-Promotion Committee and Task Force, UF Academic Personnel Board (2000-present).

Mole Cricket Task Force. Re-established the task force and co-led projects to re-establish a large-scale, cost-effective rearing capability for *S. scapterisci* and to minimize the expense of using this nematode by determining the most efficient strategies for its maintenance and application in the Florida and Puerto Rico (2000-present).

Central Florida Research and Education Center. As Director, led development of a new, consolidated central Florida campus of the University of Florida, designed new facilities, recruited new faculty and staff members, involved the clientele in center programs, and provided administrative support (1997-1998).

Insect Colonization, Production, and Utilization. Frequently consulted by federal, state, and industrial organizations concerned with the technical problems of insect rearing and associated environmental control systems (1972-present).

Boll Weevil Research Laboratory; Mississippi State, Mississippi. Conducted on site evaluation of production and research capabilities of the Gast Rearing Facility. Prepared reports emphasizing the need for operational quality control (1976).

International Working Group on Fruit Flies of Economic Importance. Performed research, training, and review projects in Hawaii, Costa Rica, El Salvador, Guatemala, Mexico, Canada, Spain, and Switzerland. Prepared numerous reports and served as co-chairman (1976-1996).

IOBC Working Group on Quality Control of Mass-Reared Arthropods. Participated in establishing the International Organization for Biological Control working group; helped to plan and conduct international meetings in Florida, Guatemala, Switzerland, Italy, California and Colombia; edited conference proceedings; served as co-chairman in 1993 and 1995, and chairman in 1998; and assisted in evolving the new Arthropod Mass-Rearing and Quality Control Working Group that focuses on both artificial diets and associated quality control (1980-present).

NASA Space Shuttle, STS III. Designed and helped to conduct the first U.S. insect experiment in space (1982).

Boll Weevil Research Laboratory; Mississippi State, Mississippi. Conducted a technical review to identify opportunities for cooperative research between Mississippi Agricultural and Forestry Experiment Station and the Agricultural Research Service on principles of production of high

quality beneficial organisms for integrated pest management (1983).

Screwworm Eradication Program; Tuxtla Gutierrez, Mexico. Served on a committee that conducted biannual, on site reviews of the multi-national screwworm eradication effort in Mexico and Central America, and prepared reports for the USDA, APHIS. Evaluated plans for establishing a sterile fly barrier zone in Panama, conducted an on-site review, prepared a report for the Secretary of Agriculture and Secretary of State that enabled the program to relocate to Panama, and helped design a new screwworm production facility (1983-present).

Caribbean Fruit Fly Mass Rearing Facility; Gainesville, Florida. Served on a committee that developed a mass rearing facility to produce 25-35 million sterile flies per week and protocols for using them to maintain fly-free zones for grapefruit export (1985-1989).

DowElanco; Indianapolis, Indiana. Designed a new laboratory that was constructed in Indianapolis and recommended protocols for its operation. This project incorporated the most advanced technology for maintaining cultures and conducting product development research (1988-1989).

Int. Ctr. for Insect Physiology and Ecology; Nairobi, Kenya. Performed an exhaustive, on-site team review of the insect and animal colonization and maintenance program. Developed recommendations and prepared a report on related technology and quality control procedures (1989).

National Biological Control Institute. Established NBCI to promote, facilitate and provide leadership for biological control; initiated a grant system; recruited a director and provided administrative support; served on the User-Advisory Panel and as a temporary employee to develop research projects (1990-1997).

Maximizing Biological Control in Integrated Pest Management. Assisted on site in Hungary and Slovakia to develop and review collaborative projects for U.S. and Eastern European countries to manage pests of fruit crops, potatoes, and wheat (1990).

Second Symposium of Biological Control; Brasilia, Brazil. Participated in a symposium and post-symposium bilateral project development for using beneficial insects and pathogens to control pests in field crops, such as soybeans, sugarcane and cotton. Additionally, needs were identified for biological control of mosquitoes and flies associated with cattle (1990).

Association of Natural Biological Control Producers. Assisted in establishing this new organization and served as a advisor "to provide a unified approach for the protection and improvement of the natural enemy production industry on a regional, national and international basis." Chaired committee to plan and conduct the first international conference for the industry, served on the ASTM committee to develop quality control standards, cooperatively drafted research needs and established linkages with the European association, International Biocontrol Manufacturer's Association (1990-present).

National Genetic Resources Program. Served on the "Expert Committee on Insects and Other

Arthropods" to implement the National Genetic Resources Program authorized by Congress to develop centralized stock centers and a relevant database, propose collections of specific strains, develop required methods, and maintain collections (1991-1996).

National Academy of Sciences, National Research Council. Participated in development of a study on ecologically based pest management in North America, "Ecologically Based Pest Management, New Solutions for a New Century." (1991-1996).

Commonwealth of the Northern Mariana Islands (CNMI) and Guam. Led an inter-agency and multi-national group in planing a project to eradicate the melon fly using technologies and materials developed in Okinawa. This project was organized under the U.S. President's "902" authority to assist the CNMI (1991-1994).

U.S. Forest Service, Center for Forest Health Management. Served on an inter-agency, bilateral Canadian-U.S. panel to develop and establish a novel laboratory for integrating pest suppression technologies into forest disease and infestation prevention, and health maintenance (1992).

X-Ray Imaging for Agricultural Products in Passenger Baggage. Supervised development of a project to design a new inspection system for passenger baggage in cooperation with the Department of Defense and Department of Energy. A nondestructive industrial inspection and quality control system is being coupled with new computer software to provide a vastly improved level of detection (1993-1994).

Gypsy Moth Biological Control Review and Plan of Action. Developed and co-chaired a series of USDA, interagency consensus-building meetings to determine current opportunities for using biological control to manage gypsy moth, "New Directions in Biological Control of Gypsy Moth: Collaborative Research, Technology Transfer and Implementation Plan" (1993-1996).

EPA Registration of Mycotrol. Cooperatively obtained registration of mycotrol, a formulation of *Beauvaria bassiana*, and arranged for field testing to control grasshoppers and the silverleaf whitefly with Mycoteck, the Agricultural Research Service, and other cooperators (1995).

Pink Bollworm Mass Production. Assembled and co-chaired a review team to determine causes for production problems, improve rearing operations, and provide continuous scientific expertise to the Pink Bollworm Rearing Facility at Phoenix, Arizona (1995-1996).

U.S. Quarantine and Containment Facility Guidelines. Served on an agency team to develop and implement new guidelines for constructing and operating quarantine and containment facilities throughout the U.S. and interfacing the Federal permit process for importation, interstate movement and release into the environment of non-indigenous species (1996).

USDA Horticultural Research Laboratory In-Depth Program Review. Chaired a review of the research programs and expectations for relocation of the laboratory, and prepared final recommendations for the staff and Agricultural Research Service management (1997).

HONORS AND AWARDS

- 1974 O. I. Snapp Award, Georgia Entomological Society
- 1980 Certificate of Appreciation as Business Manager, Florida Entomological Society
- 1989 Presidential Gavel Southeastern Biological Control Working Group
- 1990 ESA Certification, Chair. Examining Committee, Amer. Registry of Prof. Entomol.
- 1993 Commendation, U.S. President's Special Rep. to the N. Mariana Is. (fruit fly eradication)
- 1993 USDA Achievement Award for Gypchek virus development
- 1993 USDA Achievement Award for Implementing the National Biological Control Institute
- 1995 USDA Group Honor Award for Excellence, leadership in whitefly management
- 1995 Entomological Society of America Award for Contributions as Director of Certification
- 1997 U.S. Vice-President's National Perf. Award for Transgenic Arthropod Regulation
- 1998 Certificate of Appreciation, Association of Natural Bio-Control Producers
- 1999 Certificate of Appreciation, 4th Caribbean Conference of Entomology
- 1999 Award for leadership to the Association of Natural Bio-control Producers
- 1999 Award for service to the Entomological Soc. of America, Comm. on Public Information
- 1999 Florida Entomological Society Certificate of Appreciation, Chairman, Pioneer Lecture
- 2001 Florida Entomological Society Team Award for mole cricket biological control
- 2001 Certificate of Appreciation, International Master Gardener Conference
- 2001 Insect Rearing Workshop Dedicated to N. C. Leppla
- 2002 Jim App Award for Outstanding Design Team in Extension
- 2002 Team award for mole cricket biological control, Florida Entomological Society
- 2003 Certificate of Appreciation, Co-leader, Tropical Fruit Fly Workshop in Grenada
- 2004 Certificate of Appreciation, Caribbean Agriculture and Fisheries Program
- 2006 ESA, SEB Award for Excellence in IPM
- 2006 Entomologist of the Year Award, Florida Entomological Society
- 2006 Honorary Appointment, Liaison Committee, Assoc. Natural Bio-control Producers
- 2006 Certificate of Appreciation, International Workshop on Rearing Quality Insects
- 2007 Certificate of Appreciation, International Organization for Biological Control
- 2007 Certificate of Appreciation, ESA Environmental Entomology Editorial Board
- 2008 Adjunct Faculty, Florida A&M University
- 2009 Elected Fellow of the Entomological Society of America
- 2010 Award for Service, Chair Advisory Council, FAMU Center for Biological Control
- 2012 President of the Entomological Society of America, Southeastern Branch
- 2012 Pioneer Lecturer, Florida Entomological Society
- 2012 University of Florida Open Access Award
- 2014 Florida A&M University, College of Ag. & Food Sciences Adv. Council
- 2014 Entomological Society of America, Chair, Grand Challenges Committee
- 2014 ESA, SEB, Chair, Nominating Committee, Linnaean Games judge
- 2015 Journal of Insect Science, Subject Editor Insect Rearing

PROFESSIONAL AFFILIATIONS

- Entomological Society of America (1971-present, Board Certified Entomologist)
- Florida Entomological Society (1972-present, president, committees)

- Association of Natural Bio-control Producers (1990-present, advisor, committees)
- SERA-IEG 003, State IPM Coordinators (2001-present, chairman 2007)
- IOBC, AMRQC (1976-present, chairman-1976, committees)
- Sigma Xi (1974-present)
- Gamma Sigma Delta (1981-present)
- Florida State Collection of Arthropods (1986-present)
- International Fruit Fly Working Group (1992-1997, co-chairman 1992)
- Florida Nurserymen and Growers Association (1997-1999)
- USDA, CSREES Southern Regional Project SDC-319 (1999-present, chairman 2000)
- FDACS, DPI Florida Cooperative Agricultural Pest Survey (CAPS), Advisory Committee
- International IPM Symposium (2003-present, organizer, committees)
- Florida School IPM Advisory Committee (2003-2005)
- FAMU Center for Biological Control (2000-present, chairman Advisory Council)
- Southern Region IPM Center Advisory Committee (2002-present, chairman 2006)
- Mississippi State Univ. Insect Rearing Workshop (2002-present, organizer, instructor)
- Caribbean Invasive Species Working Group (2003-present, organizer)
- Ent. & Nem. Dept. 10-Year Review co-Chair (2006), Acting for Chairman (2002-present)
- Ent. & Nem. Dept. Advisory Committee (2001-2014)
- Ent. & Nem. Dept. Student Organization (ENSO), co-adviser (2001-present)
- UF/IFAS Tenure and Promotion Comm. (2004-2008), chair; search & screen (8, 2000-present)
- UF/IFAS Doctor of Plant Medicine Program advisor (2000-present)
- UF/IFAS Tenure-Permanent Status-Promotion Task Force (2010-2013), chairman
- UF/IFAS York Distinguished Lecturer Committee- (2009-2014), chairman
- IPM Voice- Steering Committee; Chair, Advocacy Committee (2009-2013)
- UF Affiliate Distinguished Professor, Center for African Studies (2012-present)
- Extension Statewide Goal 1, Focus Area 4- (2008-2013), co-chairman
- UF Academic Personnel Board (2013-2014)
- UF/IFAS Extension Initiative Priority 1 (2013-present), co-chairman
- ESA Grand Challenges Committee (2014-present), chairman

PUBLICATIONS

Books Edited (15)

- Leppla, N. C. 1970. The Ecology and Behavior of *Cysteodemus armatus* LeConte (Coleoptera: Meloidae). M.S. Thesis, Arizona State University. 68 p.
- Leppla, N. C. 1972. Reproductive Behavior of the Pink Bollworm Moth. Ph.D. Dissertation, University of Arizona. 99 p.
- Leppla, N. C. and T. R. Ashley. 1978. Facilities for Insect Research and Production. USDA Tech. Bull. 1576. 86 p.
- Leppla, N. C. 1979. Sociobiology of Sex. Fla. Entomol. Vol. 62. 34 p.
- Dickerson, W. A., J. D. Hoffman, E. G. King, N. C. Leppla, and T. M. O Dell. 1980. Arthropod

- Species in Culture in the United States and Other Countries. Entomol. Soc. Amer. Monograph. 93 p.
- King, E. G., and N. C. Leppla. 1984. Advances and Challenges in Insect Rearing. Agric. Res. Serv., USDA, U.S. Government Printing Office. Washington, DC. 306 p.
- Edwards, D. R., N. C. Leppla, and W. A. Dickerson. 1986. Arthropod Species in Culture. Entomol. Soc. Amer. 49 p.
- Leppla, N. C., and D. H. Habeck. 1988. Caribbean Fruit Fly Eradication in Florida: Supportive Research and Technology. 36 p.
- Anderson, T. E., and N. C. Leppla. 1992. Advances in Insect Rearing for Research and Pest Management. Westview Press. Boulder, Colorado. 519 p.
- Leppla, N. C., and A. Malavasi. 1994. Fruit Flies of the Western Hemisphere, Proc. of the First Meeting of the IOBC Working Group. San Jose, Costa Rica. November 1992. 32 p.
- Nicoli, G., M. Benuzzi, and N. C. Leppla. 1994. Proceedings, Seventh Workshop of the IOBC Global Working Group on "Quality Control of Mass Reared Arthropods." IOBC, Rimini, Italy; September 13-16, 1993. 237 p.
- Parker, A. G., D. A. Dame, U. Feldmann, I. Kabore, N. C. Leppla, J. Hendrichs, I. Malele, G. Mutika and D. Orozaco. 2002. Developing Product Quality Control for Standardization of Tsetse Mass Production. FAO, IAEA, Vienna. 60 p.
- Grenier, S., P. De Clercq and N. C. Leppla . 2003. Arthropod Mass Rearing and Quality Control, the 10th Workshop, IOBC Working Group. Montpellier, Fr., IOBC, WPRS. 54 p.
- Leppla, N. C., K. A. Bloem and R. F. Luck . 2003. Quality Control for Mass-Reared Arthropods, the 8th and 9th Workshops of the IOBC Working Group on Quality Control of Mass-Reared Arthropods. Santa Barbara, CA & Cali, Colombia. IOBC, WPRS. 171 p.
- Gillett, J. L., H. N. HansPetersen, N. C. Leppla and D. D. Thomas. 2006. Grower's IPM Guide for Florida Tomato and Pepper Production. University of Florida, Extension. 206 p.

Books Chapters (34)

- Leppla, N. C. and E. W. Hamilton. 1977. Actographic monitoring of *Anastrepha suspensa* colonies, pp. 39-40. In D. L. Chambers and E. F. Boller (Eds.), Quality Control: An Idea Book for Fruit Fly Workers. International Organization for Biological Control of Noxious Animals and Plants Bulletin SROP-WPRS, 1977/5. 162 p.
- Leppla, N. C. 1977. "Introduction," Monitoring production, pp. 123-124. Ibid.

- Leppla, N. C. 1977. Life history measurements of *Anastrepha suspensa*, pp. 133-135. Ibid.
- Leppla, N. C. and W. K. Turner. 1977. Respirometric monitoring of *Anastrepha suspensa* colonies, pp. 156-158. Ibid.
- Leppla, N. C., D. L. Chambers, and E. F. Boller. 1977. A proposed system for implementing quality control in a pest management program, pp. 159-162. Ibid.
- Leppla, N. C. and S. L. Carlyle. 1978. Modular room for modification of ambient laboratory environments, pp. 28-29. In N. C. Leppla and T. R. Ashley (Eds.), *Facilities for Insect Research and Production*. USDA Tech. Bull. No 1576. 86p.
- Leppla, N. C., S. L. Carlyle, C. W. Green, and W. J. Pons. 1978. A custom insect rearing facility, pp. 66-70. Ibid.
- Leppla, N. C., W. R. Fisher, J. R. Rye and C. W. Green. 1982. Lepidopteran mass rearing: An inside view, pp. 123-133. In *Sterile Insect Technique and Radiation in Insect Control*. International Atomic Energy Agency SM-255/14.
- Leppla, N. C., P. V. Vail, and J. R. Rye. 1984. Mass rearing the cabbage looper, *Trichoplusia ni*, pp. 248-254. In E. G. King and N. C. Leppla (Eds.), *Advances and Challenges in Insect Rearing*. Agric. Res. Serv., USDA, U.S. Govt. Printing Office. Washington, D.C. 306p.
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