Embracing Opportunities, Boosting Profits

Florida Small Farms and Alternative Enterprises Conference

August 1-2, 2014 • Osceola Heritage Park • Kissimmee, FL
www.smallfarms.ifas.ufl.edu
Welcome,

The University of Florida and Florida A&M University welcome you to the 6th Annual Florida Small Farms and Alternative Enterprises Conference in Kissimmee, FL. We are especially proud to bring you this conference in the spirit of the year-long celebration of the 100th anniversary of Cooperative Extension. The signing of the Smith-Lever Act of 1914 established America’s Cooperative Extension Service and allowed for professional educators to be placed in local communities to improve lives. Extension has helped millions of Americans by bringing the universities to the people. In Florida, the latest research and technologies from the University of Florida and Florida A&M University are captured by extension and transformed into practical knowledge we use every day. In 2014, in Florida and across the nation, we celebrate the 100th Anniversary of the Smith-Lever Act by looking back on Extension’s record of service and educational outreach and by looking forward to developing solutions for the many challenges that will face us in the next 100 years.

This conference is provided to you by a large and diverse group of educators, stakeholders, producers, ranchers, agencies, and industry representatives. This premier Florida agricultural event has created incredible positive energy and opportunities for small farmers throughout the state to improve their existing operations and also for many beginning farmers to get started in the right direction. The diversity of the interests represented at this event is perhaps the greatest strength of this conference. Bringing together such diverse interests requires a focus on the bigger picture, which is to provide a venue that will collectively bring greater opportunities to smaller, yet important, sectors of Florida’s huge and diverse agriculture industry. This conference provides the opportunity for producers to learn about new enterprises; improve production techniques for high quality, safe, and affordable food; how to develop and evaluate marketing strategies, meet others with common interests; and network with friends and colleagues. Perhaps the greatest impact of this conference over the past five years has been to bring visible credibility to Florida’s small farmers and also larger farmers who are seeking to learn about alternative enterprises opportunities on their farm. One of the cornerstone decisions in building this conference has always been to keep the registration for attendees as low as possible. To make this happen, we depend on gracious financial support from our sponsors. The sponsors are recognized in the program booklet and we ask you to please say thank you to them or drop them a line and let them know their support is appreciated. The 2014 conference is a two day event in response to attendees and stakeholders who have suggested a more streamlined event will attract more small farmers to attend and make it more affordable to small farmers.

In addition to the diverse and innovative educational sessions, comes a great exhibition floor with industry suppliers, organizations, agencies, farmers, and educators represented. You will notice several new features on the exhibit floor including an “Extension Learning Zone” with actual greenhouse structures and production systems as well as an Educational Poster Session where authors will be present to discuss their research and educational work. We encourage you to take advantage of as much as you can. The session and poster presentations will be posted on the conference web site after the conference. This resource will enable you to learn and access all that was presented in all of the sessions by visiting the conference website.
A signature component of the conference, delicious Florida Fresh foods and beverages, accentuate the educational and networking experience. This year’s experience will continue that great tradition. Executive chefs will serve you a grand sampling of Florida’s abundant, interesting, and delicious foods and beverages.

The opening session this year will feature welcome messages from Dr. Nick Place, University of Florida IFAS Extension Dean and Director, and Dr. Vonda Richardson, Florida A&M University Cooperative Extension Program Associate Director, as well as a video recorded message from Florida’s Agricultural Commissioner, Adam Putnam. We will continue the tradition of honoring three award winning Innovative Farmers during the opening session.

Your feedback drives the planning process every year, so please give us your unabridged feedback through our evaluations during the conference. We listen, and believe us, it will make a difference. We hope you will enjoy the conference’s food and fellowship, learn a lot, and most importantly implement things on your farm that will make a positive difference in achieving the goals of your farming operation. UF and FAMU are proud to be a part of this tradition.

Enjoy, learn and prosper,

Sincerely,
2014 Conference Executive Committee

Robert Hochmuth
Suwannee Valley Agricultural Extension Center

Danielle Treadwell
Horticultural Sciences Dept

Derek Barber
Columbia County Extension

Jim DeValerio
Bradford County Extension

Jessica Sullivan
Osceola County Extension

Lynn Max and Jose Perez
Small Farm Specialty Crop Program Coordinators

Mandy Stage
UF/IFAS Office of Conferences and Institutes
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A Special Thank You to Our Conference Sponsors

Sustaining Partner
Florida Department of Agriculture & Consumer Services

Platinum
University of Florida, IFAS

Gold
Florida A&M University/CAFS
UF Office of Sustainability
Whole Foods Market

Silver
Aramark
Jackman Florida Natural Wagyu Beef
Oak Ridge Market at Artegon
Southern SARE – Sustainable Agriculture Research & Education
Verti-Gro

Bronze
Bowen Brothers, Inc.
Global Organic Specialty Source
InterNatural Marketing, Inc.
FL Farm Bureau Federation & FL Farm Bureau Insurance
Publix Supermarkets, Inc.

General
Farm Credit
Americert International (fka OIA North America)
PrimusLabs
Committee Listings

STAKEHOLDER ADVISORY
Steve Brown, RootMaker Products Company LLC, Deland, Volusia Co.
Tim Carpenter, Verti-Gro Inc, Summerfield, Marion Co.
Dina Clingman-Bell, AGvocacy LLC and InterNatural Marketing, Lake Worth, Palm Beach Co.
Linda Hart, Crazy Hart Ranch, Fellsmere, Indian River Co.
Rick Hawkins, Localecopia; the Breakers, Indiantown, Martin Co.
Kevin Osburn and Natalie Parkell, Vertical Horizon Farm, Hobe Sound, Martin Co.
Margie Pikarsky, Bee Heaven Farm, Homestead, Miami-Dade Co.
Vonda Richardson, FAMU, CESTA, Tallahassee, Leon Co.
Sharon Yeago, Farmers Market and Local Food Systems Consultant, High Springs, Alachua, Co.

EXECUTIVE
Co-chair, Bob Hochmuth, UF-IFAS Suwannee Valley, Live Oak
Co-chair, Danielle Treadwell, UF-IFAS Horticultural Sciences Department, Gainesville
Derek Barber, UF-IFAS Columbia County Extension, Lake City
Jim DeValerio, UF-IFAS Bradford County Extension, Starke
Lynn Max, UF-IFAS Horticultural Sciences Department, Gainesville
Jose Perez, UF-IFAS Horticultural Sciences Department, Gainesville
Mandy Stage, UF-IFAS Office of Conferences & Institutes, Gainesville
Jessica Sullivan, UF-IFAS Osceola County Extension, Kissimmee

EVALUATION
Chair, Sebastian Galindo, UF-IFAS Agricultural Education and Communication, Gainesville, Alachua Co.

EXHIBIT
Chair, Derek Barber, UF-IFAS Columbia County Extension
Steve Brown, RootMaker Products Company LLC, Deland, Volusia Co.
Aparna Gazula, UF-IFAS Alachua County Extension, Gainesville

FARMER SCHOLARSHIP
Chair, Alex Bolques, UF-IFAS Gadsden County Extension, Quincy
Yolanda Goode, UF-IFAS, Gadsden County Extension, Quincy

FOOD and NETWORKING EVENTS
Co-Chair, Jim DeValerio, UF-IFAS Bradford County Extension, Starke
Co-Chair, Jessica Sullivan, UF-IFAS Osceola County Extension, Kissimmee
Tony Donnelly, C.E.C., Executive Chef, SAVOR ... Osceola Heritage Park
Robert Kluson, UF-IFAS Sarasota County Extension, Sarasota

FUNDRAISING
Chair, Bob Hochmuth, UF-IFAS Suwannee Valley, Live Oak
Dina Clingman-Bell, AGvocacy LLC and InterNatural Marketing, Lake Worth, Palm Beach Co.
INNOVATIVE FARMER
Chair, Jonael Bosques-Mendez, UF-IFAS Marion County Extension, Ocala
Stakeholder Advisory Members review and rank innovative farmer applications

LOCAL ARRANGEMENTS
Co-Chair, Jessica Sullivan, UF-IFAS Osceola County Extension, Kissimmee
Co-Chair, Joseph Walter, UF-IFAS Brevard County Extension, Cocoa

POSTERS - EDUCATIONAL and OUTREACH
Chair, Dan Fenneman, UF-IFAS Madison County Extension, Madison
Keith Wynn, UF-IFAS Hamilton County Extension, Jasper

PUBLICITY and MARKETING
Co-Chair, Lynn Max, UF-IFAS Horticultural Sciences Department, Gainesville
Co-Chair, Jose Perez, UF-IFAS Horticultural Sciences Department, Gainesville
Yiqian Ma, Agricultural Communication major, UF, Gainesville
Karen Stauderman, UF/IFAS Volusia County Extension Service, DeLand

EDUCATIONAL PROGRAM

Extension Learning Zone
Chair, Liz Felter, UF-IFAS Orange County Extension, Orlando
Steve Brown, RootMaker Products Company LLC, Deland, Volusia Co.

Tours
Co-chair, Ashley Fluke, UF-IFAS Osceola County Extension, Kissimmee
Co-chair, Matt Lollar, UF-IFAS Seminole County Extension, Sanford
Co-Chair, Richard Tyson, UF-IFAS Orange County Extension, Orlando

Sessions and Workshops
Chair, Danielle Treadwell, UF-IFAS Horticultural Sciences Department, Gainesville, Alachua Co.
Jonael Bosques-Mendez, UF-IFAS Marion County Extension, Ocala
Chad Carr, UF Department of Animal Sciences, State Meat Extension Specialist
Gary England, UF-IFAS Lake County Extension, Tavares
Aparna Gazula, UF-IFAS Alachua County Extension, Gainesville
Linda Hart, Crazy Hart Ranch, Fellsmere, Indian River Co.
Mary Beth Henry, UF-IFAS Polk County Extension, Bartow
Bob Hochmuth, UF-IFAS Suwannee Valley, Live Oak
Christine Kelly-Bagazo, UF-IFAS County Extension Director, Indian River County
Robert Kluson, UF-IFAS Sarasota County Extension, Sarasota
Laura Lavid, Florida Organic Growers, Education & Outreach Program Director
Matthew Lollar, UF-IFAS Seminole County Extension, Sanford
Lynn Max, UF-IFAS Horticultural Sciences Department, Gainesville
Sean McCoy, UF-IFAS Suwannee County Extension, Live Oak
Marty Mesh, Florida Organic Growers, Executive Director
Ed Skvarch, UF-IFAS St. Lucie County Extension, Fort Pierce
Elena Maria Toro, UF-IFAS Suwannee County Extension, Live Oak
Danielle Treadwell, UF-IFAS Horticultural Sciences Department, Gainesville, Alachua Co.
Barton Wilder, UF-IFAS Alachua County Extension, Gainesville
Sharon Yeago, Farmers Market and Local Food Systems Consultant, High Springs, Alachua, Co.
Pre-Conference Tours
Friday, August 1, 2014
Advance registration was required

8:30am-12:30pm. Urban Farming Tour
Host: Richard Tyson, UF/IFAS Orange County Extension Director

Exploration Gardens at UF/IFAS Extension - orange.ifas.ufl.edu
Speaker: Ed Thralls, UF/IFAS Orange County Extension
The Exploration Gardens contain 7 themed gardens. One features vegetable growing techniques for urban farming. On display are raised beds, grow boxes, square foot gardens, aquaponics, floating raft systems, the vertical stacked (Verti-Gro® and Hydro-StackerTM) systems and the nutrient flow technique (NFT) hydroponic system. The vertical and NFT hydroponic systems require electricity supplied by solar panels to provide daily fertigation. Solar power offers opportunities for growers to produce “Off the Grid,” with easily applied setup and maintenance.

Orlando’s East End Market - eastendmkt.com
East End Market is a neighborhood market and food hub in the Audubon Park Garden District of Orlando. The Market showcases some of Central Florida’s top food entrepreneurs, trades people, artists, and chefs and is home to a dozen merchants offering local seafood, meats, daily baked bread, freshly roasted coffee, organic juice, raw food specialties, artisan cheeses, and local produce. It also has an incubator kitchen and a working market garden. The market is not only a hub for local food and culture, but also a community space fostering creativity and collaboration.

Beck Brother’s Blueberry Farm - www.facebook.com/pages/Beck-Brothers-blueberries-U-Pick/121170221296165
Twenty beautiful acres of southern highbush blueberry varieties suitable for the early spring season in Florida are grown adjacent to encroaching new housing complexes in Windermere, a half hour drive from downtown Orlando. The Beck brothers welcome a freewheeling style of U-pick, where the public can roam the entire acreage with few restrictions. Also, commercial harvests take advantage of the high value market window enjoyed by Florida blueberry growers. Learn the advantages of combining a local market focus with conventional blueberry production

8:30am-1:00pm. Livestock Tour
Host: Ashley Fluke, UF/IFAS Osceola County Extension Agent

Double C Bar Ranch - www.doublecbarranch.com
Double C Bar Ranch is a family owned and operated Brahman Cattle ranch. James C. (Jimmy) and Leslie Chapman are third generation owners. They have four children, RyAnne, Denton, Gibbs, and Clifton, who all are owners and help run the ranch. We are located in the heart of Florida, just 18 miles south of St. Cloud on county road 523, also known as Canoe Creek Road. Along with the purebred Brahman Cattle, the ranch also has a herd of commercial and crossbred cattle. Our crossbred herds are made up of Brahman and Angus cattle.

In recent years, Double C Bar Ranch has expanded the commercial cattle side of the ranch to include local sales of beef. The ranch raises both grass-fed and grain-fed beef. They supply several farmer's markets in the state and several restaurants. Genetic selection and forage management have been critical aspects of raising the locally finished cattle.

Doc Partin Ranch - www.docpartin.com
Doc Partin Ranch is primarily a commercial cattle operation. We use our production Brahman genetics as the base
for our commercial herd. The herd consists of basically two types of management groups - the Brahman sired brood cows and Angus or Herford crossed with the Brahman sired cows. While our genetic program is constantly evaluated and updated the philosophy has not changed for many years. Our cattle must be able to perform on low quality forage in sub-tropical conditions. For adaptability in these conditions all our brood cows have 3/8 or greater Brahman influence. This is why our Brahman genetics are so important to us. The moderate framed, easy-fleshing, & fertile brood cows produce in this environment. All calves are marketed at weaning through a contract with stocker buyer. We also raise all of our own replacement heifers.

The ranch also raises a small flock of Florida Cracker Sheep. There will be a speaker on site to discuss breed selection and overall management of sheep and goats raised and marketed in Florida. You will be able to see and evaluate different types of small ruminants that are working in Florida production systems.

8:30am-1:45pm. Farm to Chef Tour
Host: Matt Lollar, UF/IFAS Seminole County Extension Agent

Lake Meadow Naturals - www.lakemeadownaturals.com
Dale grew up on the family dairy farm in Wisconsin and his Father bought him his first flock of chickens for a 4-H project on May 20th, 1960. This farm became the home of his strong passion for raising chickens. In 1980 Dale migrated, like many birds for the weather, to South Florida. Dale moved to Central Florida in 2000 and the quest began for some property with more space and close proximity to Orlando in order to raise cage free chickens. The property on Lake Meadow was found. The business grew and was then named Lake Meadow Naturals for the lake situated on the property. Dale started inviting friends to come out and bring their kids to the farm so they might experience where their food is produced, like he experienced growing up on the farm in Wisconsin. He realized how disconnected our communities have become to how and where their food is produced. As demand and requests has grown from consumers, Lake Meadow Naturals has continued to add poultry and other related heritage and clean items to its product list and continues to educate the greater community of the farm to table experience.

The Rusty Spoon - www.therustyspoon.com
The Rusty Spoon celebrates the Great Food and Pub Atmosphere through American Cuisine rooted in European Flavors. The great food is sourced from our Florida farmers. The herdsman feed the animals all natural diets; free from hormones, free from antibiotics and any unnatural supplements. The produce is seeded, and cultivated to sustain the farm and the local community. Our farmers cultivate products you love, food stuffs that our in-season and don't travel by trains, planes, or 18-wheelers. Our food is simply delicious; it starts local and stays local! Locavores welcome!
### Florida Small Farms and Alternative Enterprises Conference

**Agenda**

**Friday – August 1, 2014**

**OPTIONAL PRE-CONFERENCE TOURS** *(Advance registration was required)*

<table>
<thead>
<tr>
<th>Time</th>
<th>Tour</th>
<th>Details</th>
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<tbody>
<tr>
<td>8:30am - 12:30pm</td>
<td>Urban Farming</td>
<td>8:15am Board Bus</td>
</tr>
<tr>
<td>8:30am - 1:00pm</td>
<td>Livestock Tour</td>
<td>8:15am Board Bus</td>
</tr>
<tr>
<td>8:30am - 1:45pm</td>
<td>Farm to Chef Tour</td>
<td>8:15am Board Bus</td>
</tr>
</tbody>
</table>

**1:00pm - Conference Opens**

1:00 - 5:00pm

**CONFERENCE ATTENDEE CHECK-IN / EXHIBITOR MOVE-IN**

*Exhibition Building*

**CONCURRENT EDUCATIONAL SESSIONS**

2:00 - 5:00pm

<table>
<thead>
<tr>
<th>Session</th>
<th>Location</th>
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<tbody>
<tr>
<td>Business of Farming</td>
<td>Extension Services Building</td>
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<tr>
<td>Business of Farming</td>
<td>KVLS Pavilion</td>
</tr>
<tr>
<td>Livestock</td>
<td>Exhibition Building</td>
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<tr>
<td>Livestock</td>
<td>Arena</td>
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<tr>
<td>Livestock</td>
<td>Conference Room</td>
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<td>Livestock</td>
<td>Kissimmee AB</td>
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<td>Livestock</td>
<td>Kissimmee C</td>
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<tr>
<td>Livestock</td>
<td>St. Cloud B</td>
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<tr>
<td>Pest Management</td>
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<tr>
<td>Horticulture</td>
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<tr>
<td>Organic / Sustainable Farming</td>
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</tbody>
</table>

**5:00 - 7:30pm**

**Exhibit Preview and Welcome Reception**

*Featuring Local Foods*
# Agenda (continued)

**Saturday – August 2, 2014**

**7:30 - 8:00am**

*Exhibitors only: Quiet time - Continental breakfast available for exhibitors*

**8:00am - Conference Opens**

**8:00 - 9:00am**

*Conference Attendee Check-In, Visit Exhibitors*

*Morning refreshments provided from Florida farms*

*Exhibition Building*

**9:00 - 10:00am**

*Conference Welcome, Innovative Farmer Awards*

*Exhibition Building (Hall B)*

**10:00 - 11:30am**

*Networking and Learning Opportunities*

*Exhibitors, Extension Learning Zone, Educational Poster Presentations (10:45-11:15)*

*Exhibition Building (Hall A)*

**11:30am - 1:00pm**

*A Celebration of Local Food - Lunch Provided*

*Exhibition Building (Hall B)*

**12:30 - 1:30pm**

*DESSERT with EXHIBITORS (overlaps with lunch time)*

*Exhibition Building (Hall A)*

Exhibit Hall Closes at 1:30pm, Exhibitors break down

**CONCURRENT EDUCATIONAL SESSIONS**

**1:45 - 3:45pm**

<table>
<thead>
<tr>
<th>Business of Farming</th>
<th>Alternative Enterprises</th>
<th>Livestock</th>
<th>Livestock</th>
<th>Pest Management</th>
<th>Horticulture</th>
<th>Organic / Sustainable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Extension Services Building</td>
<td>KVLS Pavilion</td>
<td>Exhibition Building</td>
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</tr>
<tr>
<td>162</td>
<td>160/161</td>
<td>Arena</td>
<td>Conference Room</td>
<td>Kissimmee AB</td>
<td>Kissimmee C</td>
<td>St. Cloud B</td>
</tr>
<tr>
<td>Managing a Successful Online Market</td>
<td>Opportunities in Florida’s Expanding Hydroponic Industry</td>
<td>Small Ruminant Production Part 1: From Hobby Farm to a Profitable Florida Goat Industry</td>
<td>Small Scale Dairy Production Part 1: Starting an Operation</td>
<td>What’s Bugging You? Part 1: Specialty Crop Pest and Beneficial Insect Identification</td>
<td>Postharvest Handling and Cooling of Specialty Crops</td>
<td>Develop and Implement a Fertility Plan in Certified Organic &amp; Sustainable Vegetable Systems</td>
</tr>
<tr>
<td>Useful Laws for Farmers</td>
<td>Hydroponic Nutrient Management for the South</td>
<td>Small Ruminant Production Part 2: Parasite Control in Goats</td>
<td>Small Scale Dairy Production Part 2: Selling Products for a Profit</td>
<td>What’s Bugging You? Part 2: Specialty Crop Disease Identification</td>
<td>An Overview of Breeding, Genetics and Technology for Specialty Crop Seed Production</td>
<td>Soil Health in the Subtropics and Tropics</td>
</tr>
</tbody>
</table>

**3:45 - 4:00pm Break**

**4:00 - 6:00pm**

| Useful Laws for Farmers | Hydroponic Nutrient Management for the South | Small Ruminant Production Part 2: Parasite Control in Goats | Small Scale Dairy Production Part 2: Selling Products for a Profit | What’s Bugging You? Part 2: Specialty Crop Disease Identification | An Overview of Breeding, Genetics and Technology for Specialty Crop Seed Production | Soil Health in the Subtropics and Tropics |

**6:00pm Conference Concludes**
Dr. Nick T. Place was named Dean and Director of University of Florida/IFAS Extension in September 2012. He is a Professor in the Agricultural Education and Communication Department in the UF/College of Agriculture and Life Sciences (CALS). He oversees the Florida Cooperative Extension service found in 67 counties, 13 Research and Education Centers, 15 special Institutes and programs and Y departments across the Sunshine State. From 2007 through 2012, Dr. Place served as the Associate Dean and Director of the University of Maryland Extension (UME).

Dr. Place was Multi-county Extension Agent and CED in Pennsylvania, conducting educational programs in dairy, livestock, 4-H/Youth development and community development. He moved to Florida in 1999 and was a professor in the Department of Agricultural Education and Communication (AEC) until 2007, focusing on Extension Education and Faculty professional development.

In 1995 he was selected by USDA to work in Poland as part of the Polish-American Extension Project for six months on extension education methods and dairy/livestock technologies.

Dr. Place has received a number of awards, including: 2006 AIAEE Outstanding Achievement Award, 2006 NAAE Outstanding Early Career Award, 2006 AAEE Southern Region Outstanding Young Agricultural Educator Award, 2005 NACTA Teacher Fellow Award, and 2005 CALS Graduate Teacher/Advisor of the Year Award. Dr. Place earned his B.S. in dairy husbandry at Delaware Valley College (Doylestown, PA.) He earned his M.S. in dairy and animal science and his Ph.D. in agricultural and extension education, both from Penn State University.
Conference Kickoff Speakers

Vonda Richardson
Associate Director
Florida A&M University Cooperative Extension Program

Vonda Richardson brings 19 years of experience working with small-scale farmers in Florida and surrounding states. As an Extension Specialist, she has developed and conducted training programs in alternative market development, value-added production, alternative farm enterprises, production practices and farm financial management. She has received national recognition for development of Farm to School efforts throughout the Southeast. She has a Bachelor of Science from Fort Valley State University, and a Master Degree in Agricultural Economics from the University of Georgia.
Florida Innovative Farmer Award

The goal of the award is to recognize farmers and ranchers who are innovative leaders and excel in: Making their farming systems more profitable over the long term; Using farming practices that enhance, rather than harm, natural resources; Leading- or participate in - activities that support viable communities; and Providing outreach and/or education about sustainable agriculture ideas and practices to others.

The applications we received this year were once again outstanding, and we cannot thank everyone enough for the time they took from their busy farm schedules to share their stories with us.

We are pleased to announce this year’s Florida Innovative Farmer Awardees:

**H. Fred Dietrich III**
Dietrich’s Flying D Ranch
Orlando, FL

**Steve Crump**
Vo-LaSalle Farms, Inc.
DeLeon Springs, FL

**Ken Ryan**
Herban Gardens
North Fort Myers, FL

The awards ceremony will take place during the conference opening 9:00 – 10:00am, Saturday, August 2. Please join us in congratulating these special farmers and to learn more about their operation.
## Past Florida Innovative Farmer Awardees

### 2013

- **Margie and Nick Pikarsky**  
  Bee Heaven Farm  
  Homestead, FL

- **Joseph Ballard and Paul Speros**  
  SB Farms  
  Malone, FL

- **Natalie Parkell and Kevin Osburn**  
  Vertical Horizon Farm  
  Hobe Sound, FL

### 2012

- **Gabriele Marewski**  
  Paradise Farms Organic  
  Homestead, FL

- **Pamela and Hank Sindlinger**  
  Gateway Organic Farm  
  Clearwater, FL

### 2011

- **Alan and Yvonne Hart**  
  Windmill Acres Farm and Goat Milk Dairy LLC  
  Ocklawaha, FL

- **Roger Twitchell and Ellyn Hutson**  
  Caney Branch Farm  
  Monticello, FL

- **Nancy Roe**  
  Green Cay Produce and Farming Systems Research, Inc.  
  Boynton Beach, FL

### 2010

- **Chris and Eva Worden**  
  Worden Farm  
  Punta Gorda, FL

- **George Owens**  
  George Owens’ Farm  
  Chipley, FL

- **Trish Strawn**  
  Deep Creek Ranch  
  Deland, FL

### 2009

- **Bobbie Golden**  
  Golden Acres Ranch  
  Monticello, FL

- **Linda Hart**  
  Crazy Hart Ranch  
  Fellsmere, FL

- **Lynn Steward**  
  Mr. Citrus Organics and Vegetables  
  Arcadia, FL
Detailed Session Listing – Friday, August 1, 2014
Concurrent Sessions: 2:00-5:00pm

Business of Farming
2:00-5:00. Farmers Market Manager Training
Extension Services Building – Room 162
Market managers, vendors and sponsoring agencies will not want to miss this information-packed session! Learn about strategies to leverage market and community growth, ensure your market is compliant with food safety regulations, and get the latest update on federal funds, food nutrition programs and the 2013 Farm Bill.
  Moderator/Speaker: Sharon Yeago, Sharon Yeago LLC, Local Food and Farmers Market Consultant, High Springs, FL
  Speaker: Don Wambles, Director, AL Dept. of Agriculture, Farmers Market Authority
  Speaker: Carmen Franz, Florida Organic Growers & Consumers
  Speaker: Soo Ahn, Assistant Professor, UF/IFAS Food Science Department
  Speaker: Jackie Moalli, Fresh from Florida Program, FDACS

Business of Farming
2:00-5:00. Small Farm Financial Management
Extension Services Building – Room 160/161
Are you frustrated by not having enough money on hand to cover critical expenses when you need it? This session simplifies the concept of cash flow analysis so that you can better manage your farm business. Learn to grow your financial skills using a simple tool for budget and managing cash at a pace that makes sense for you, without getting lost in details, ratios, and secret formulas intelligible only to accountants.
  Moderator: Ed Skvarch, UF/IFAS St. Lucie County Extension
  Speaker: Gary Matteson VP Young, Beginning, Small Farmer Programs and Outreach, The Farm Credit Council, Washington, DC

Livestock
2:00-5:00. Handling Beef Cattle: How to Work Cows Properly
KVLS Pavilion – Arena
Learn how to handle cattle safely and humanely. In addition, learn to implement a beef quality assurance program (BQA) for your herd. BQA is a national program that provides guidelines for beef cattle production and enhances herd profitability through better management. This session features live animal demonstrations.
  Moderator: Jonael Bosques-Mendez, UF/IFAS Marion County Extension Agent
  Speaker: Mark Warren, UF/IFAS Flagler County Extension Agent
  Speaker: Joe Walter, UF/IFAS Brevard County Extension Agent
  Speaker: Scott Taylor, UF/IFAS Florida Partnership for Water, Agriculture, and Community Sustainability at Hastings, FL
  Speaker: Ashley Fluke, UF/IFAS Osceola County Extension Agent

Livestock
2:00-5:00. Safe Handling of Dressed Poultry
KVLS Pavilion - Conference Room
This session will provide an overview of the new poultry marketing laws, on-farm biosecurity and discuss how to implement food safety practices when processing poultry and how to preserve meat quality.
  Moderator/Speaker: Elena Toro, UF/IFAS Suwannee County Extension Agent
  Speaker: Larry Eubanks, Meat Processing Center Research Coordinator, UF/IFAS Department of Animal Sciences
  Speaker: Chad Carr, Associate Professor, UF/IFAS Department of Animal Sciences
  Speaker: Sally Williams, Associate Professor, UF/IFAS Department of Animal Sciences
Pest Management
2:00-5:00. Weed Identification and Management
Exhibition Building – Kissimmee AB

Participants will learn the basics of organic and conventional weed management, and how to calibrate boom and wand sprayers. Pesticide Applicators CEUs will be available for this session.

Moderator/Speaker: Barton Wilder, UF/IFAS Alachua County Extension Agent
Speaker: Annette Wszelaki, University of Tennessee Vegetable Extension Specialist
Speaker: Peter Dittmar, Assistant Professor, UF/IFAS Horticultural Sciences Department
Speaker: Jim DeValerio, UF/IFAS Bradford County Extension Agent

Horticulture
2:00-5:00. Alternative Fruit Production
Exhibition Building – Kissimmee C

Researchers and innovative farmers will share data and personal experiences on a broad array of fruit crops. The session is intended to expand the fruit crop palette of attendees.

Moderator: Gary England, UF/IFAS Lake County Extension Agent
Speaker: James Olmstead, Assistant Professor, UF/IFAS Horticultural Sciences Department
Speaker: Fumi Takeda, USDA-ARS Research Horticulturist, Appalachian Fruit Research Laboratory, Kearneysville, WV
Speaker: Karen Stauderman, UF/IFAS Volusia County Extension Agent
Speaker: Tavis Douglass, Lochloosa Lake Farms, Lochloosa, FL
Speaker: Jenny Franklin, High Springs Orchard and Bakery, High Springs, FL

Organic/Sustainable
2:00-5:00. Transitioning to USDA Organic Certification: The Benefits, Challenges, and Processes
Exhibition Building - St. Cloud B

What does it mean to be certified organic and what are the steps to get there? Come and learn about the benefits, challenges, and process of transitioning to a certified organic farming system. Hear first-hand experience from farmers who have made the transition.

Moderator: Juan Carlos Rodriguez, Florida Certified Organic Growers and Consumers, Inc., Gainesville, FL
Speaker: Meagan Collins, Quality Certification Services, Certification Coordinator/Inspector, Gainesville, FL
Speaker: Francisco Arroyo, Owner/Operator KYV Farm, St. Augustine, FL
Speaker: William Kazokas, Senior Tomato Breeder, Semillas Fitó
Business of Farming
1:45-3:45. Managing a Successful Online Market
Extension Services Building – Room 162

You will learn innovative and efficient means of direct marketing using the internet, which is more and more relevant especially as a means to reach young consumers. You will leave with a new innovative marketing idea to take back to your community.

   Moderator: Ed Skvarch, UF/IFAS St. Lucie County Extension
   Speaker: Katie Harris, Executive Co-director, Red Hills Small Farm Alliance, Tallahassee, FL
   Speaker: Louise Divine, Executive Co-director, Red Hills Small Farm Alliance, Tallahassee, FL

Alternative Enterprises
1:45-3:45. Opportunities in Florida’s Expanding Hydroponic Industry
Extension Services Building – Room 160/161

Attendees will learn about the recent rapid expansion of greenhouse and hydroponics in Florida based on a statewide survey and the resulting opportunities. Shading systems are essential for most crops in Florida and information on shading materials and systems will be provided. Florida hydroponic research trial results will provide new information on topics including: new specialty crop varieties, soilless media comparisons, disease and insect management, and more.

   Moderator: Maxine Floyd, UF/IFAS-FDACS Farm to School Partnership
   Speaker: Robert Hochmuth, UF/IFAS Multi County Extension Agent, Suwannee Valley Agricultural Extension Center
   Speaker: Dilcia Toro, UF/IFAS Suwannee Valley Agricultural Extension Center
   Speaker: Frank Giglia, Signature Supply Inc., Lakeland, FL
   Speaker: Wanda Laughlin, UF/IFAS Suwannee Valley Agricultural Extension Center

Livestock
1:45-3:45. Small Ruminant Production Part 1: From Hobby Farm to a Profitable Florida Goat Industry
KVLS Pavilion - Arena

This session will discuss what the potential is for meat goat production based on what has occurred in other states where goat production has successfully been established. Farm planning, forage management, parasite management and opportunities to add value to goat production systems will be discussed.

   Moderator: Jonael Bosques-Mendez, UF/IFAS Marion County Extension Agent
   Speaker: Will Getz, Professor of Animal Science, Fort Valley State University, Fort Valley, GA

Livestock
1:45-3:45. Small Scale Dairy Production Part 1: Starting an Operation
KVLS Pavilion - Conference Room

During this session we will have a virtual tour of small scale dairy operations and discuss what infrastructure and equipment is needed as well as land requirements and herd size for a small scale dairy operation (50 cows or less).

   Moderator: Elena Toro, UF/IFAS Suwannee County Extension Agent
   Speaker: James Umphrey, Sales Manager ABS Global, Marianna, FL
Pest Management
1:45-3:45. What’s Bugging You? Part 1: Specialty Crop Pest and Beneficial Insect Identification
Exhibition Building – Kissimmee AB

Take your pest management program to the next level! Learn to identify common pests and beneficials and new pests on the horizon with a variety of visual aids, from hand lenses to microscopes. Interact with live insects as experienced Extension faculty guide you through what to look for and resources for the future. Demonstrations and displays will provide examples of tools and technologies you can implement on farm today to improve pest management tomorrow.

Moderator/Speaker: Mary Beth Henry, UF/IFAS Polk County Extension Agent
Speaker: Hugh Smith, Professor, Department of Entomology and Nematology, UF/IFAS Gulf Coast Research and Education Center
Speaker: Crystal Snodgrass, UF/IFAS Manatee County Extension Agent
Speaker: Camille Esmel McAvoy, UF/IFAS Sumter County Extension Agent
Speaker: Chris Miller, UF/IFAS Palm Beach County Extension Agent
Speaker: Jim DeValerio, UF/IFAS Bradford County Extension Agent
Speaker: Stephanie Stocks, UF Department of Entomology and Nematology
Speaker: Michele Samuel-Foo, UF/IFAS IR-4 Southern Region Field Coordinator

Horticulture
1:45-3:45. Postharvest Handling and Cooling of Specialty Crops
Exhibition Building – Kissimmee C

Sure, it may look great when it leaves the farm, but how does it look in your buyer’s cooler 2 days later? Participants will learn about harvest strategies, postharvest handling and cooling recommendations to ensure optimal quality of fresh fruits and vegetables.

Moderator: Gary England, UF/IFAS Lake County Extension Agent
Speaker: Steve Sargent, Professor, UF/IFAS Horticultural Sciences Department
Speaker: Adrian Berry, Biological Scientist, UF/IFAS Horticultural Sciences Department

Organic/Sustainable
1:45-3:45. Develop and Implement a Fertility Plan in Certified Organic & Sustainable Vegetable Systems
Exhibition Building – St. Cloud B

Growers often wonder: how do I correctly implement a fertilizer recommendation? What do they mean with the “Four R’s of Fertilization”? By working on real-life examples of fertility plans, participants in this hands-on session will (1) learn how to take a soil sample and request an analysis, (2) recognize the parts of the soil test recommendation, (3) choose the correct type of fertilizer, (4) learn how to determine the contribution of organic amendments and cover crops, and (5) correctly calibrate their equipment.

Moderator: Danielle Treadwell, UF/IFAS Horticultural Sciences
Speaker: Eric Simonne, UF/IFAS Northeast District Extension Director and Professor, Horticultural Sciences
Speaker: Aparna Gazula, UF/IFAS Alachua County Extension Agent
Detailed Session Listing – Saturday, August 2, 2014
Concurrent Sessions: 4:00-6:00pm

Business of Farming
4:00-6:00. Useful Laws for Farmers
Extension Services Building – Room 162
Important information for all farmers on legal contracts including contracting transportation, land rental and right to farm, farm succession and estate planning and more.
  Moderator: Ed Skvarch, UF/IFAS St. Lucie County Extension
  Speaker: Eugene E. Shuey, P.A., Gainesville, FL

Alternative Enterprises
4:00-6:00. Hydroponic Nutrient Management for the South
Extension Services Building – Room 160/161
The number one challenge for hydroponic growers is developing and managing a good fertilizer and water management program suitable for Florida's climate. This session will provide information on plant nutrition basics, diagnosing deficiency symptoms, mixing and monitoring a hydroponic nutrient solution, controlling pH, and refining irrigation schedules. The session will include hands-on lab activities.
  Moderator: Maxine Floyd, UF/IFAS-FDACS Farm to School Partnership
  Moderator: Matt Lenhardt, UF/IFAS Brevard County Extension
  Moderator: Karen Stauderman, UF/IFAS Volusia County Extension Agent
  Speaker: George Hochmuth, Professor, UF/IFAS Soil and Water Sciences
  Speaker: Wanda Laughlin, UF/IFAS Suwannee Valley Agricultural Extension Center
  Speaker: Robert Hochmuth, UF/IFAS Multi County Extension Agent, Suwannee Valley Agricultural Extension Center

Livestock
4:00-6:00. Small Ruminant Production Part 2: Parasite Control in Goats
KVLS Pavilion - Arena
Understand how to successfully control parasites, become certified in FAMACHA and learn how to implement a worming program for your herd. Live animal demos.
  Moderator: Jonael Bosques-Mendez, UF/IFAS Marion County Extension Agent
  Speaker: Will Getz, Professor of Animal Science, Fort Valley State University, Fort Valley, GA

Livestock
4:00-6:00. Small Scale Dairy Production Part 2: Selling Products for a Profit
KVLS Pavilion - Conference Room
During this second session, we will discuss the requirements to sell milk and dairy products in Florida. How are small dairy operators making decisions to keep their farms profitable?
  Moderator: James Umphrey, Sales Manager ABS Global, Marianna, FL
  Speaker: Mary Sowerby, UF/IFAS Suwannee County Extension Regional Dairy Agent
  Speaker: Alan Hart, Windmill Acres Farm and Goat Dairy, LLC, Ocklawaha, FL
Pest Management
4:00-6:00. What’s Bugging You? Part 2: Specialty Crop Disease Identification
Exhibition Building – Kissimmee AB

Learn the early signs and symptoms of common diseases of specialty crops. In this hands-on session, participants will get an up-close view of effects of organisms with hand lenses and microscopes, learn how the life cycles of disease-causing organisms can be used to make smart management decisions, and how to determine if therapeutic action is needed.

Moderator: Aparna Gazula, UF/IFAS Alachua County Extension Agent
Speaker: Nick Dufault, Assistant Professor, UF/IFAS Plant Pathology Department
Speaker: Gary Vallad, Associate Professor, UF/IFAS Plant Pathology Department, Gulf Coast Research and Education Center, Wimauma, FL

Horticulture
4:00-6:00. An Overview of Breeding, Genetics and Technology for Specialty Crop Seed Production
Exhibition Building – Kissimmee C

Participants will learn about the various plant breeding techniques, including open-pollinated, hybrid, and transgenic approaches for annual and perennial specialty crops, review the current science and policies for each, and discuss advantages and disadvantages of each approach as it relates to the social, environmental, and economic aspects of sustainability.

Moderator: Matt Lollar, UF/IFAS Seminole County Extension Agent
Speaker: Kevin Folta, Associate Professor and Department Chair, Horticultural Sciences
Speaker: Sam Hutton, Assistant Professor, Horticultural Sciences, Gulf Coast Research and Education Center, Wimauma, FL

Organic/Sustainable
4:00-6:00. Soil Health in the Subtropics and Tropics
Exhibition Building – St. Cloud B

Tillage, organic inputs, crop rotations and cover crop management are critical “what”, “when” and “how” decisions that can contribute to or degrade soil quality on the farm. This lively session will offer an overview of the Natural Resource Conservation Service’s new Soil Health Initiative; demonstrate effects of various management strategies, and feature a photographic tour of innovative farms throughout the tropics and subtropics.

Moderator: Jim Ewing, Outreach Coordinator, Gulf States Region, National Center for Appropriate Technology (NCAT), Jackson, MS
Speaker: Steve Woodruff, Agronomist, USDA, Natural Resources Conservation Service (NRCS), Greensboro, NC
Speaker: Stuart Weiss, Agronomy Leader and Acting Horticulture Leader, University of the Virgin Islands St. Croix
Outstanding Contributors to the Florida Small Farmer Registration Scholarship

We would like to give special recognition to the organizations who supported the attendance of two or more Florida Small Farmers at the conference.

Jodi & Darrin Swank, Swank Specialty Produce, Loxahatchee, FL

Supporting farmer participation for the integrated pest management educational sessions, posters and exhibits

Thank you to all attendees who contributed to the Florida Small Farmer Registration Scholarship Fund. Your donation helped Florida Small Farmers participate in the conference who otherwise would not have been able to attend.
Florida Farms Freshen Our Table

The Small Farms Conference food committee and the SAVOR food service team of the Osceola Heritage Park welcome you to the 2014 Small Farms and Alternative Enterprises Conference. Once again, following conference traditions, we are excited that Chef Tony and his team have created a superb menu from commodities grown by Florida Farmers.

We sincerely want to thank all farmers who contributed to the conference, either by donating or discounting their contributions to the conference. This conference really is a true community effort and it is better because of it!

This year we will enjoy a Friday night social with our exhibitors. You will enjoy delicious Hors d’Oeuvres like Port Canaveral Shrimp and Grits, Sambal Curry Chicken and Vegetable Skewers or BBQ Smoked Sausage Bites along with a refreshing beverage at one of four action stations amongst the conference exhibitors. A selection of appetizers and desserts will be presented by visiting Chef Alyson Zildjian.

Saturday’s fare promises to be equally enjoyable with a breakfast of vegetarian vegan and non-vegetarian Fresh From Florida entrees in the exhibitor area and a fantastic banquet luncheon with offerings of salads, organic greens, grass fed beef pot roast, Shoyu Glazed Roasted Chicken and lots more in the general session hall. Lunch will be capped off with several desserts in the exhibitor hall. And yes, there will be blueberry cobbler!

We are looking forward to meeting and networking with you, our guests, as you enjoy wholesome and fresh Florida Grown food at our table.

Jim DeValerio
Food Committee Co-chair
UF/IFAS Bradford County Extension
Jessica Sullivan
Food Committee Co-chair
UF/IFAS Osceola County Extension
Tony Donnelly
C.E.C., Executive Chef
SAVOR Osceola Heritage Park

Showcase of Florida Farmers

Arrowhead Farm – Washington
Bee Heaven Farm – Miami-Dade
Beli Farms – Suwannee
Blueberry Lady and Women of Grace – Bradford
Bradley’s Country Store – Leon
Dakin Dairy – Manatee
Deer Park Peaches – Osceola
Diamond P Ranch – Osceola
Florida Crystals – Palm Beach
Florida Fresh Meat Company – Marion
Frog Song Organics – Alachua
Heart of Christmas Farms – Orange
High Springs Orchard & Bakery, LLC – Alachua
Jackman Florida Natural Wagyu Beef – Hendry
John G King Farms, LLC – Bradford
Kissimmee’s Green Place for Natural and Organic Vegetables, LLC – Osceola
Kurtz & Sons Dairy – Suwannee
Lake Meadow Naturals Farms – Orange
Mick Farms – Osceola
Monterey Mushrooms – Orange
Natalie’s Orchard Island Juice Company – Saint Lucie
Oyster Island Mushrooms – Indian River
Rembrandt Coffee – Alachua
Seely’s Ark Farm – Marion
Southeastern Small Farmers Network – Hamilton
UF/IFAS Hastings – St. Johns
Uncle Matt’s Organic – Lake
Upfront Foods, LLC – Palm Beach
Osceola Heritage Park Welcomes

The Florida Small Farms and Alternative Enterprises Conference

Exhibit Preview and Welcome Reception

Friday, August 1, 2014, 5:00 – 7:30pm ♦ Exhibition Building, Hall A

Hors d’Oeuvres and Action Stations to include but, not limited to
Florida Table Potato Chips and Dips
Fruit, Cheese and Farm Vegetable Displays

Station #1
Port Canaveral Shrimps w/ Goat Cheese Grits
Sambal Curry Chicken and Vegetables Skewers
Potted Grass Fed Beef Shooters
Asian Pork Lettuce Wraps
Asian Vegetarian Lettuce Wraps

Station #2
Carved Sirloin of Florida Waygu Beef w/ Green Peppercorn Demi/ Silver Dollar Rolls
BBQ’d Smoked Sausage Bites
Florida Gator Bite Cajun Style
Miniature Fish Taco’s
Vegetarian Tacos

Station #3
A Selection of Appetizer and Dessert Bites presented
by Visiting Chef Alyson Zildjian of Zildjian’s Catering, Sarasota Florida

Station #4
Beverages
Coffee, Tea, Iced Tea, Water, Soda
Osceola Heritage Park Welcomes
The Florida Small Farms and Alternative Enterprises Conference

Breakfast
Saturday, August 1, 2014, 8:00 – 9:00am • Exhibition Building, Hall A

Stations #1-3
A Selection of Fresh Fruits and Berries
Freshly Baked Scones w/ Butter and Cream
Steel Cut Oatmeal
Cheese and Bacon Grits
Selection of Cold Cereals
Blackened Chicken Quiche
Spinach and Brie Cheese Quiche w/ Sun Dried Tomatoes

Station #4
Beverages:
Coffee, Tea and Water
Osceola Heritage Park Welcomes
The Florida Small Farms and Alternative Enterprises Conference

Lunch
Saturday, August 1, 2014, 11:30-1:00pm ♦ Exhibition Building, Hall B

Dessert
Saturday, August 1, 2014, 12:30-1:30pm ♦ Exhibition Building, Hall A

Buffet Lunch Stations, Exhibition Building, Hall B

Salad Bar w/ Hydro and Organic Florida Greens
Citrus Vingarette

Curried Goat Korma w/ Grilled Naan and Poppadum’s
Grass Fed Beef Pot Roast w/ Sweet Corn Spatlese and
Root Vegetables
Shoyu Glazed Roasted Chicken w/ Garlic Chives

Vegetarian Station Exhibition Building, Hall B
For our Vegetarian guests, there is a special vegetation station. Anyone who indicated vegetarian, vegan or gluten free on their registration information, will find a ticket in their nametag to access this station.

Salad Bar w/ Hydro and Organic Florida Greens
Citrus Vingarette

Marinated Portabello Mushroom Steaks
Roasted Garlic and Thyme Florida Gator Taters
Coconut Basmati Rice
Florida Squash and Corn Succotash w/ Tomato Florida Greens

Dessert Served in Exhibition Building, Hall A
Florida Peach Cobbler with or without Vanilla Ice Cream
Brown Rice and Banana Pudding
Florida Blueberry Compote with Fresh Mint
Coffee, Tea, Bottled Water and Soda’s and available Florida Citrus Juices
Food, Beverage and Chef Contributors

We would like to recognize the following Florida farms and allied industries for their donation to the conference.
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4-H Youth Development UFL
Booth Number: 303
Georgene Bender
GCREC-PCC  1200 N. Park Rd., Plant City, FL  33563
Tel: 813-757-2184
Email: gmbender@ufl.edu
Website: florida4h.org
Animal Science, Horticulture, Leadership and much more the Extension Youth Program 4-H offers youth 5-18yrs in clubs, after school and in the community.

Advanced Drainage Systems, Inc.
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Email: chris.delegato@ads-pipe.com
Website: www.ads-pipe.com
More than a billion feet of ADS corrugated polyethylene pipe have been installed in American farmlands for field drainage and stock ponds. ADS also offers water control structures which provide an effective way to manage water levels and our specially-perforated pipe series for grain aeration.

AgrAbility
Booth Number: 401
Charles Baldwin
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Email: baldwi19@purdue.edu
Website: www.agrability.org
AgrAbility is a program sponsored by the USDA that provides assistance to farmers, ranchers, other agricultural workers, and farm family members impacted by disability, to enable a higher quality lifestyle.

Agri-Starts, Inc.
Booth Number: 316
Ty Strode
1728 Kelly Park Rd, Apopka, FL  32712
Tel: 407-889-8055
Email: tystrode@agristarts.com
Website: http://www.agristarts.com
Agri-Starts, Inc. is a 30 year old plant tissue culture propagation company and supplier of young plants. We specialize in many different Edible, Tropical, and Native crops.

AgroClimate - UF IFAS Extension
Booth Number: 306
Daniel Dourte
1741 Museum Road, PO Box 110570, GAINESVILLE, FL  32611
Tel: 352-392-1864 ext.220
Email: ddourte@ufl.edu
Website: www.agroclimate.org
Tools and resources for managing climate risks in agriculture

Albert's Organics
Booth Number: 319
Travis Howard
6272 McIntosh Rd, Sarasota, FL  34238
Tel: 941-925-6630
Email: thoward@albertsorganics.com
Website: www.albertsorganics.com
Founded in 1982, Albert’s Organics is the nation’s leading distributor of quality organically grown fresh produce and perishable items, including meat, dairy, soy products, juices/beverages, and much more.

Americert International fka OIA North America
Booth Number: 615
Jonathan Austin
2603 NW 13th Street #228, Gainesville, FL  32609
Tel: 352-336-5700
Email: americert@gmail.com
Website: www.americertorganic.com
Americert International is a USDA National Organic Program accredited certifying agent certifying organic handlers, processors, and growers. Additionally, Americert offers FARMGAP on farm food safety good agricultural practices certification, organic input registry approval, and Good Manufacturing Practices(GMP)certification.

ARAMARK
Booth Number: 607
David Frank
114 Recreational Center Dining, Gainesville, FL  32611
Tel: 352-273-0733
Email: frank-david@aramark.com
Website: www.aramark.com
ARAMARK provides award-winning food services, facilities management, and uniform and career apparel to health care institutions, universities and school districts, stadiums and arenas, and businesses around the world.

Arrowhead Beef, LLC
Booth Number: 109
Tom Pellizzetti
982 Hutchins Lane, Chipley, FL  32428
Tel: 479-790-8133
Email: tom@arrowheadbeef.com
Website: http://arrowheadbeef.com/
Founded in 2009, Arrowhead Beef, LLC produces premium local grass-fed beef. Cattle is raised in “Herd-Life Harmony” and never sent to feedlots or any industrial meat processing. Additionally, we offer USDA-inspected processing to small farm producers like you at our Westville, FL facility.
Central FL Livestock Agents’ Group & NE FL Livestock Agents’ Group
Booth Number: 419
Barton Wilder
2800 NE 39th AVE, Gainesville, FL 32609
Tel: 352-955-2402
Email: bwilder@ufl.edu
Website: cflag.ifas.ufl.edu
The Central Florida Livestock Agents’ Group and Northeast Florida Livestock Agents’ Groups goals are to provide extension programming for livestock and forage producers which will increase their profitability and sustainability.

Coast Pump Ag
Booth Number: 107
Thomas Maley
2690 W Airport Blvd., Sanford, FL 32771
Tel: 863-581-5219
Email: flag247@gmail.com
Website: coastpumpwatertechnology.com
Coast Pump Ag is the largest wholesaler of pumps and controls in Florida, with an in house pump factory, and solar pumping systems for cattle watering. We sell, service, and install Valley pivot irrigation systems and can provide turnkey installation on any size system as well as wholesale pipe supply, and micro-irrigation products.

Cooperative Agricultural Pest Survey Program (CAPS), FDACS, Division of Plant Industry
Booth Number: 406
Leroy Whilby
1911 SW 34th Street, Gainesville, FL 32608
Tel: 352-395-4649
Email: Leroy.Whilby@FreshFromFlorida.com
Website: http://www.freshfromflorida.com/Divisions-Offices/Plant-Industry/Bureaus-and-Services/CAPS
The Cooperative Agricultural Pest Survey Program is a combined effort by state and federal agricultural agencies to conduct surveillance, detection, and monitoring of exotic plant pests of agricultural and natural plant resources and biological control agents. Survey targets include plant diseases, insects, weeds, nematodes, and other invertebrate organisms.

Countryside Organicx
Booth Number: 418
Kevin Fletcher
801 2nd Street, Waynesboro, VA 22980
Tel: 888-699-7088
Email: kevin@countrysideorganics.com
Website: www.countrysideorganics.com
Countryside specializes in Organic animal feeds and Gardening products.

Coyote Creek Organic Farm and Feed Mill
Booth Number: 514
Cameron Molberg
13817 Klaus Lane, Elgin, TX 78621
Tel: 512-281-6319
Email: cameron@coyotecreekfarm.com
Website: www.CoyoteCreekFarm.com
At Coyote Creek Farm, we are dedicated to sustainable, organic, and local farming and ranching practices, coupled with the humane treatment of all animals. Our vision is clear: revitalize rural middle-class family farms by teaching families efficient and effective farming practices.

Doctor of Plant Medicine Program
Booth Number: 400
Amanda Hodges
PO Box 110620, Gainesville, FL 32611
Tel: 352-281-5714
Email: achodges@ufl.edu
Website: http://dpm.ifas.ufl.edu/
The multidisciplinary DPM Program consists of courses and practical training in Agronomy, Entomology/Nematology, Horticultural Sciences, Plant Pathology, and Soil and Water Science. Our goal is to train students in the science, practice and business of professional plant medicine, preparing them for a wide variety of interesting and rewarding careers.

Doublethumb Growing Solutions
Booth Number: 505
Anna Coco
4658 Templeton Road, Lake Wales, FL 33898
Tel: 863-605-1855
Email: anna@doublethumb.net
Website: www.doublethumb.net
Doublethumb Growing Solutions distributes quality coconut coir products from Botanicoir. Products include grow bags, open-top containers, briquettes, 5K bales, discs and pellets. These products are used in hydroponic growing programs, under tunnels or greenhouse application. They also can be used in the open field.

Dream Center of Lakeland
Booth Number: 202
LaTrese Howell
724 Arbor Glen, Lakeland, FL 33805
Tel: 940-594-9059
Email: latrese.howell@gmail.com
Website: www.dreamcenterlakeland.org
We are a community center committed to restoring lives and empowering community in the surrounding urban environment. We believe that healthy individuals make smarter decisions and feel better about themselves. Through the use of Tower Gardens we now have an organic garden.
Florida Small Farms and Alternative Enterprises Conference

DS&A, Inc.
Booth Number: 509
Karl Manges
509 Boating Club Road, St. Augustine, FL 32084
Tel: 904-543-9955
Email: Karl@Douglasspeed.com
Website: www.Douglasspeed.com
The Quantum Growth Series are revolutionary biological plant growth enhancement products proven to increase nutrient uptake, enhance root growth. Also, would like to introduce ADIOS an OMRI approved herbicide that kills to the root.

Enza Zaden USA
Booth Number: 502
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Tel: 239-825-3103
Email: william.bethea@enzausa.com
Vegetable seed company with seed available in both organic and conventional forms

FAMU – Crops
Booth Number: 101
Lawrence Carter
215 Perry-Paige Bldg., Tallahassee, FL 32307
Tel: 850-599-3546
Email: lawrence.carter@famu.edu
The FAMU Cooperative Extension Program provides research-based educational information and direct technical assistance to improve the quality of life for limited resource citizens throughout Florida.

FAMU- CRD/4-H/FCS
Booth Number: 103
Sandra Thompson
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Tel: 850-599-3546
Email: sandra.thompson@famu.edu
The FAMU Cooperative Extension Program provides research-based educational information and direct technical assistance to improve the quality of life for limited resource citizens throughout Florida.

FAMU Vet-Technology
Booth Number: 200
Glen Wright
215 Perry-Paige Bldg., Tallahassee, FL 32307
Tel: 850-599-3546
Email: glen.wright@famu.edu

Farm Credit
Booth Number: 608
Ron O’Connor
PO Box 8009, Lakeland, FL 33802
Tel: 866-824-5626
Email: marketing@farmcreditcfl.com
Website: www.FarmCreditFlorida.com
Farm Credit is a Member-Owned, agricultural lender serving Florida’s ranchers, growers, and farmers, since 1916. We make loans for capital, operating, or residential purposes and sell crop insurance.

Farm-to-Consumer Legal Defense Fund
Booth Number: 518
Amelia Martin
8116 Arlington Blvd, Ste. 263, Falls Church, VA 22042
Tel: 703-208-3276
Email: outreach@farmtoconsumer.org
Website: farmtoconsumer.org
The Farm-to-Consumer Legal Defense Fund defends the rights and broadens the freedoms of family farms and protects consumer access to raw milk and nutrient-dense foods.

FDACS/UF-IFAS Farm to School Partnership
Booth Number: 209
Christina Walmer
Department of Horticultural Sciences University of Florida PO Box 110690, Gainesville, FL 32611
Tel: 352-273-4775
Email: cbwalmer@ufl.edu
Website: farmtoschool.ifas.ufl.edu
FDACS has partnered with the University of Florida’s IFAS Extension Service to help connect farmers and schools, advise on school gardens, and provide resources for nutrition education and food service training.

FL Farm Bureau Federation
& FL Farm Bureau Insurance
Booth Number: 604
Frankie Hall
PO Box 147030, Gainesville, FL 32614
Tel: 352-538-0224
Email: frankie.hall@ffbfo.org
Website: www.floridafarmbureau.org
Farm Bureau exists to strengthen family farms and local communities. We apply a collective effort to solve farmers’ problems. We speak on behalf of ALL farms. The majority of the state’s family farmers are members. The FL Farm Bureau Insurance offers members access to a full line of quality products.

Florida A&M University - CAFS
Booth Number: 605
Vonda Richardson
Rm 215 Perry-Paige Bldg South, Tallahassee, FL 32307
Tel: 850-599-3546
Email: vonda.richardson@famu.edu
Website: www.famu.edu/cesta
The College of Agriculture and Food Sciences (CAFS) is the land-grant arm at Florida A&M University. CAFS offers opportunities for students to grow professionally and build for the future. We specialize in programs related to and for Florida Farmers.

Florida A&M University Cooperative Extension - Marketing
Booth Number: 403
Vonda Richardson
Room 215 Perry-Paige Bldg South, Tallahassee, FL 32307
Tel: 850-599-3546
Email: vonda.richardson@famu.edu
The goal of the program is to enhance the competitiveness of small farm operations through effective marketing & business management practices. Specific programs include Small Farm-to-School and New/Beginning Farmers.
Florida Automated Weather Network
Booth Number: 307
Rick Lusher
PO Box 110350, Gainesville, FL 32611
Tel: 352-846-3219
Email: rlusher@ufl.edu
Website: www.myfawn.com
FAWN provides timely and accurate weather data and weather related information to Florida citizens.

Florida Culinary Academy Awards
Booth Number: 700
Noreen Kinney
7312 6th Avenue North, St. Petersburg, FL 33710
Tel: 727-347-2437
Email: CulinaryParadise@aol.com
Website: www.Florida-AmericasCulinaryParadise.com
The Florida Culinary Academy Awards have been presented annually since 2008. The Program recognizes ten Florida Culinary Award Winners across the State. Visit Booth No 700, and meet the 2014 Winners. www.florida-americasculinaryparadise.com, www.culinaryambassadorforireland.com

Florida Department of Agriculture & Consumer Services
Booth Number: 501 / 600 / 602
Josh Johnson
407 South Calhoun Street, Tallahassee, FL 32399
Tel: 850-617-7340
Email: joshua.johnson@FreshFromFlorida.com
Website: www.freshfromflorida.com
The Florida Department of Agriculture offers services like Agricultural Dealer’s Licenses and the Florida Agricultural Promotional Campaign to assist Florida’s 47,000 agricultural producers, many of whom are small farmers.

Florida FGT LLC
Booth Number: 309
Donald Rockwood
POB 357103, Gainesville, FL 32635-7103
Tel: 352-256-3474
Email: FloridaFGT@cox.net
Website: www.FloridaFGT.com
Florida FGT advises forest and agricultural landowners on various uses of fast-growing Eucalyptus, Corymbia, Populus, Taxodium, and Pinus species, e.g., mulchwood, windbreaks, bioenergy, and dendroremediation.

Florida First Detector
Booth Number: 408
Stephanie Stocks
970 Natural Area Drive, Gainesville, FL 32611
Tel: 352-273-3958
Email: ststocks@ufl.edu
Website: www.flfirstdetector.org
Florida First Detector (www.flfirstdetector.org) is a collaborative project that delivers educational material (scripted presentations, online training, and workshops) to a variety of audiences on invasive species issues of particular importance to Florida.

Florida Food and Farm, LLC
Booth Number: 709
Daphne Weaver
P.O. Box 1350, Lake Worth, FL 33460
Tel: 561-317-1361
Email: daphneweaver@gmail.com
Fl. Food and Farm is a quarterly print magazine with a free directory of farms, CSA, green and farmer’s markets distributing 100K copies in FL.

Florida Grazing Land Coalition Inc.
Booth Number: 206
Buzz Eaves
27101 Okeechobee Road, Fort Pierce, FL 34945
Tel: 772-528-7400
Email: buzzbeaves@hughes.net
Website: www.fglc.org
This is a non-profit organization of citizen groups in Florida interested in addressing resource conservation and environmental concerns on private grazing lands.

Florida Organic Growers/Quality Certification Services
Booth Number: 407
Robin Schrieber
1810 NW 6TH ST, Suite F, Gainesville, FL 32609
Tel: 352-377-0133
Email: robin@qcsinfo.org
Website: www.qcsinfo.org
QCS’ ISO 65 and NOP accredited organic certification program offers Aquaculture, EU, JAS, Canada, AJP, and Food Safety certification.

Florida Pomegranate Association
Booth Number: 312
Cindy Weinstein
6360 Johnston Rd., Zolfo Springs, FL 33890
Tel: 863-604-3778
Email: flpomegranate@gmail.com
Website: www.crec.ifas.ufl.edu/extension/pomegranates/
FPA began its non-profit organization in 2012 and has quickly evolved into the state’s largest grower-based organization designed for and promoting the sustainability future of pomegranate as a viable fruit crop not only in Florida but across the entire southeastern United States. Pomegranate growers will be available to answer your questions.

Garden MarketPlace
Booth Number: 519
Chris Roth
5385 Gateway Blvd Suite 1, Lakeland, FL 33811
Tel: 863-337-4913
Email: chris@shopgardenmarketplace.com
Website: shopgardenmarketplace.com
We provide organic growing medium that is easy and fun to use. Coconut Coir is a great way to start your garden and is perfect for vegetables.
Florida Small Farms and Alternative Enterprises Conference

High Mowing Organic Seeds
Booth Number: 503
Delia Gillen
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Tel: 802-472-6174 x 119
Email: delia@highmowingseeds.com
Website: www.highmowingseeds.com
High Mowing Organic Seeds is an independently-owned, farm-based seed company dedicated to supporting sustainable agriculture and providing farmers and gardeners with the highest quality certified organic seed.

Hoodridge Unlimited, Inc.
Booth Number: 409
Ila Locke
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Indian River Fertilizer/Eco-Friendly Products
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Jeff Fuller
500 W. Faith Terr., Maitland, FL 32751
Tel: 407-963-6001
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Website: www.indianriverfertilizer.com
We are in our second decade of providing high quality, all natural and organic soil amendments and fertilizers-Feeding your soil as well as your plants yields superior results for growers.

IPM Florida
Booth Number: 402
Norman Leppla
P.O. Box 110620, Gainesville, FL 32611-0620
Tel: 352-273-3951
Email: nleppla@ufl.edu
Website: ipm.ifas.ufl.edu
IPM Florida provides statewide, interdisciplinary and inter-unit coordination and assistance in integrated pest management to protect agriculture, communities and the environment. The IPM Florida website contains small farm information.

Island Grove Ag Products-Nursery Division
Booth Number: 500
Bert Sheffield
2600 SE 193rd Ave, Hawthorne, FL 32640
Tel: 352-481-5558
Email: bertatignp@aol.com
Website: www.islandgroveagproducts.com
Island Grove Nursery produces High Quality Florida Fresh edible plants for Farmers, Garden Centers, and the Landscape trade. Island Grove Winery produces Florida Fresh Fruit Wines.

Johnny's Selected Seeds
Booth Number: 413
Rod Heyerdahl
912 East 46th St, Tifton, GA 31794
Tel: 229-392-3844
Email: rheyerdahl@johnnysseeds.com
Website: www.johnnysseeds.com
For 40 years Johnny's has provided the highest quality seeds of vegetables, herb and flower seeds to growers. In addition to seed Johnny's is a source of valuable growing information.

KY Burley Moldings, Inc.
Booth Number: 619
Dawn Riley
234 Highway 433, Mackville, KY 40040
Tel: 502-552-5849
Email: dawn.riley67@gmail.com
Website: www.kyburlymoldings.com
We are a company with over 20 years of experience in the manufacturing and selling of float trays for the production of plants in greenhouses and water beds.

Link Funding
Booth Number: 708
Dana Hall
2829 Meadow Hill Dr N.
Clearwater, FL 33761
Tel: 727-797-3188
Email: dana@link-funding.com
Website: www.link-funding.com
Link Funding advises borrowers how to access specialized commercial loans programs offered via USDA, SBA and FSA, (at no cost to the borrower.) We work with lenders throughout the US.

Magna Bon II, LLC
Booth Number: 415
Frank Miele
2045 SW 127th Avenue, Davie, FL 33325
Tel: 954-275-1830
Email: mielemgt@yahoo.com
Website: www.magnabon.com
Magna Bon II, LLC Okeechobee, FL. An Advanced OMRI Listed Liquid Copper Fungicide. Made in the US. Stop by booth 415 to get FREE SAMPLES of CS2005 while supplies last.

Maxijet
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Tel: 407-722-6500
Email: aistallen@aol.com
Website: www.maxijet.com
We are a micro irrigation company that is used nation wide. We manufacture all our products in Dundee Florida.
MerchantSource  
**Booth Number: 611**  
*Kim Lyons*  
18069 Laurel Valley Road, Fort Myers, FL 33967  
Tel: 800-313-5198  
Email: KimL@merchantsource.com  
Website: www.merchantsource.com  
Since 1994, MerchantSource® has provided specialized assistance in implementation of Wireless credit, debit, & SNAP/EBT merchant processing equipment and partnering with service providers. Check out our booth as we have brand NEW innovative solutions. Call us 1-800-313-5198.

NAFMNP  
**Booth Number: 707**  
*Don Wambles*  
P O Box 9080, Alexandria, VA 22304  
Tel: 334-240-7249  
Email: don.wambles@agi.alabama.gov  
Website: www.nafmnp.org  
MarketLink - Technology that works for farmers, markets and consumers. Grow your customer base and your sales. Sign up to accept SNAP EBT, Credit and Debit at your Farmers Markets.

Nature Safe Natural & Organic Fertilizers  
**Booth Number: 314**  
*Kimberly Stockelman*  
4221 Alexandria Pike, Cold Spring, KY 41076  
Tel: 859-572-2562  
Email: kstockelman@darlingii.com  
Website: www.naturesafe.com  
Nature Safe Fertilizers are derived from natural sources containing no waste by-products. The all natural ingredients in Nature Safe are premium animal proteins that provide a balanced nutritional program for the soil and the plant.

Oak Ridge Market at Artegon  
**Booth Number: 609**  
*Steve Sless*  
5250 International Drive, Orlando, FL  
Tel: 407-351-7718 x102  
Email: ssless@paragonoutlets.com  
Website: http://www.artegonorlando.com  
Opening this fall, Oak Ridge Market at Artegon will showcase Florida’s finest local and regional purveyors of fresh produce, meats, fish and dairy as well as other locally produced foods and natural products. It will also include a licensed community kitchen and classroom, fresh dining and prepared foods, a food distribution hub and more! Learn how you can market your products here.

Proptera,LLC  
**Booth Number: 208**  
*Bill Bowring*  
106 Industrial Dr. Suite A, Waxahachie, TX 75165  
Tel: 262-339-7835  
Email: bill@proptera.com  
Website: proptera.com  
Proptera, LLC, markets and sells OMRI listed Zonix Biofungicide made with rhamnolipids. Rhamnolipids have been found highly effective for the prevention and control of fungal diseases such as Downy Mildew, Late Blight and other diseases caused by Phytopht.

Red Hills Small Farm Alliance / RHO Market  
**Booth Number: 617**  
*Katie Harris*  
3546 Baum Rd, Tallahassee, FL 32309  
Tel: 850-567-1493  
Email: katiemh@gmail.com  
Website: http://www.redhillsfarmalliance.com/  
Non-Profit Organization working to increase economic stability for small farm enterprises in the Tallahassee area while providing farmer and consumer education about local food.

Reed Organic Supply  
**Booth Number: 217**  
*Huey Reed*  
16750 S Highway 25, Weirsdale, FL 32195  
Tel: 352-821-2375  
Email: reedorganic@hareed.net  
Website: www.reedorganicsupply.com  
Reed Organic Supply Is the Florida Distributor for BioNatural Products. “Unlocking the power of nature by allowing microbes do the job for you.”

RootMaker Products Company LLC  
**Booth Number: 221**  
*Wayne Hinton*  
PO Box 14553, Huntsville, AL 35815  
Tel: 256-882-3199  
Email: sales@rootmaker.com  
Website: http://www.rootmaker.com/  
Our products are designed to promote root branching and new roots at every phase of nursery production, whether above-ground, in-ground, or even in-pot.

RootMaker Products Company LLC  
**Booth Number: 219**  
*Steve Brown*  
1640 Chinook Trail, Maitland, FL 32751  
Tel: 321-436-7313  
Email: ashorticulture@gmail.com  
Website: http://www.rootmaker.com/

Slow Food USA Glades to Coast  
**Booth Number: 701**  
*Diane Campion*  
Slow Food Glades to Coast, 2146 Polo Gardens Dr. 8-207, Wellington, FL 33414  
Tel: 561-846-0212  
Email: campiondiane@msn.com  
Website: www/slowfoodgladestocoast.com  
Slow Food USA is a nationwide organization connected with Slow Food International and the Slow Food headquarters in Italy. Florida has ten Chapters and Slow food promotes use of Fresh Food and traditional ways to cook food from the farms - From Farm to Fork.
Florida Small Farms and Alternative Enterprises Conference

Small Business Development Center at UNF
Booth Number: 308
*Philip Geist*
3003 SW College Road, Suite 105, Ocala, FL 34474
Tel: 352-622-8763
Email: pgeist@unf.edu
Website: www.sbdc.unf.edu
The Small Business Development Center at the University of North Florida helps businesses become more successful and meet the challenges of tomorrow by providing no-cost management advice and low-cost training.

Society of St Andrew
Booth Number: 207
*James Tinkey*
PO Box 536842, Orlando, FL 32853
Tel: 407-650-1956
Email: fl-gleaning@endhunger.org
Website: www.endhunger.com
A nonprofit organization using volunteers to glean (gather) produce from farmers’ fields after harvest, and delivering it to food banks to be distributed to the needy.

Southern SARE
Booth Number: 606
*Candace Pollock*
1109 Experiment St., UGA, Griffin, GA 30223
Tel: 770-412-4786
Email: cpollock@uga.edu
Website: www.southern sare.org
We have information to help farmers and ranchers move profitably toward production systems compatible with the goal of sustainable agriculture, including good land stewardship, enhancing quality of life, and strengthening rural communities.

Suwannee Valley Agricultural Extension Center
Booth Number: 215
*Lei Lani Davis*
7580 County Road 136, Live Oak, FL 32060
Tel: 386-362-1725 ext.108
Email: leildavis@ufl.edu
Website: smallfarms.ifas.ufl.edu
The goal of our project is to establish a unique, whole-farm agroecological system to use as a demonstration environment for specialty crop farmers. We are creating a field laboratory by transforming an existing 300 acre research farm into a living, hands-on IPM teaching laboratory.

UF IFAS Extension Bookstore
Booth Number: 702 / 703
*Sarah Hensley*
PO BOX 110011, Gainesville, FL 32611
Tel: 352-392-1764
Email: sarahehensley@ufl.edu
Website: ifasbooks.ifas.ufl.edu
The Bookstore sells publications produced by UF faculty researchers about all aspects of agriculture including plant disease, pesticide management, horticulture, livestock, natural resources and wildlife.

UF/IFAS Extension Soil Testing Laboratory
Booth Number: 301
*Lamar Moon*
2390 Mowry Road/P.O. Box 110740/Wallace Building 631, Gainesville, FL 32611-0740
Tel: 352-392-1950 ext.226
Email: dimoon@ufl.edu
Website: soilslab.ifas.ufl.edu
To serve the citizens of Florida, by providing appropriately selected soil, plant and water testing, interpretation and recommendations as an educational service through the Cooperative Extension Service to guide management decisions affecting lime and fertilizer use and efficiency.

UF/IFAS Mid-Florida REC
Booth Number: 706
*Diane Mealo*
2725 South Binion Road, Apopka, FL 32703
Tel: 407-410-6929
Email: dwm@ufl.edu
Website: mrec.ifas.ufl.edu
The MREC mission is organized around three program/issue areas: Plant Development, Plant Protection, and Plant Management. In addition we have educational partnerships with the Colleges of Agricultural & Life Sciences offering degree programs locally in Plant Science and Geomatics & Surveying.

UF/IFAS Small Farms Academy
Booth Number: 213
*Sarah White*
7580 Country Road 136, Live Oak, FL 32060
Tel: 386-362-1725 ext.102
Email: sewhite@ufl.edu
Website: svaec.ifas.ufl.edu/sfa
The goal of the Small Farms Academy is to train small farmers by providing unique, hands-on classes, workshops, and field days on specific topics in order to sustain existing small farms and increase the number of new small farms.

University of Florida - IFAS Extension
Booth Number: 704
*Jeffrey Ullman*
PO Box 110570, Gainesville, FL 32611-0570
Tel: 352-392-1864 ext 223
Email: julman@ufl.edu
This booth will focus on irrigation and nutrient management as part of the team’s grant funded through the Southern Risk Management Education Center.

University of Florida, IFAS, CREC
Booth Number: 613
*Jamie Burrow*
700 Experiment Station Road, Lake Alfred, FL 33850
Tel: 863-956-8648
Email: jdyates@ufl.edu
Website: www.crec.ifas.ufl.edu
Our program provides training and educational materials for small farms, commercial growers, and residents about established and exotic pests and diseases of Florida citrus.
The USDA’s National Agricultural Statistics Service (NASS) conducts hundreds of surveys every year and prepares reports covering virtually every aspect of U.S. agriculture.

USDA APHIS PPQ
Booth Number: 507
Tirzah Lyons
214 N Andes Avenue, Orlando, FL 32807
Tel: 407-282-7821
Email: Tirzah.Lyons@aphis.usda.gov
Website: www.aphis.usda.gov
Plant Protection and Quarantine (PPQ) is a program within the Animal and Plant Health Inspection Service (APHIS). PPQ safeguards agriculture and natural resources from the entry, establishment, and spread of animal and plant pests and noxious weeds into the United States of America; and supports trade and exports of U.S. agricultural products.

USDA Farm Service Agency
Booth Number: 506
Rodger Kwasnik
4440 NW 25th Pl, Suite 1, Gainesville, FL 32606
Tel: 352-379-4517
Email: rodger.kwasnik@fl.usda.gov
Website: www.fsa.usda.gov
Farm Service Agency is equitably serving all farmers, ranchers, and agricultural partners through the delivery of effective, efficient agricultural programs for all Americans.

Valencia College
Booth Number: 705
Javier Garces
1800 S. Kirkman Road; Mail Code 4-3, Orlando, FL 32811
Tel: 407-582-1820
Email: igarces3@valenciacollege.edu
Website: www.valenciacollege.edu
The Landscape and Horticulture Technology Program has been around for over 30 years and is very well-known by those in the industry in Central Florida. Students may earn an A.S. degree with a Horticulture Specialization or Landscape Specialization, as well as several different technical certificates.

Verti-Gro, Inc.
Booth Number: 603
Tim Carpenter
15000 US Hwy 441, Summerfield, FL 34491
Tel: 352-347-9888
Email: tim@vertigro.com
Website: http://www.vertigro.com/
Verti-Gro® specializes in vertical growing and vertical gardening to utilize space, water and energy in an efficient manner. Our systems provide for high density production for the commercial grower and space saving for the hobbyist or home gardener.
Educational Poster Abstracts

Listed alphabetically by Title.
Presenting author is **bolded**.

- The Educational posters will be on display with presenters available for discussion during the Saturday morning break.
- The top three posters will be recognized Saturday at the conference and on the website after the conference has concluded.

**Poster Schedule (located in Exhibit Hall A)**

<table>
<thead>
<tr>
<th>Posters on display</th>
<th>Friday, August 1</th>
<th>5:00pm-7:30pm</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Saturday, August 2</td>
<td>8:00am-1:30pm</td>
</tr>
<tr>
<td>Presenters available for discussion by posters</td>
<td>Saturday, August 2</td>
<td>10:45am-11:15am</td>
</tr>
</tbody>
</table>
A Farm-based Weather Data Collection and Display System

Rick Lusher
University of Florida, IFAS Extension, Gainesville, FL

Weather-related information is essential to Florida’s agricultural producers for making important decisions regarding the use of water for irrigation scheduling and cold protection. Since the mid 1990’s, The Florida Automated Weather Network (FAWN), a program of the University of Florida Institute of Food and Agricultural Sciences (UF/IFAS), has developed a variety of weather-related tools that can aid them in making these decisions. Some farms can be many miles from a FAWN station. For this reason, FAWN worked with the Florida Department of Agriculture and Consumer Services (FDACS) Office of Agricultural Water Policy (OAWP) to deploy a high-resolution farm based weather station network. Called My Florida Farm Weather (MFFW), the network provides growers with site-specific weather data that can be used to maximize water used for irrigation and cold protection. Data from the stations, updated every 15 minutes, can be viewed on a web page and via an app for the iPhone and Android platforms. Growers enrolled in FDACS Best Management Practices are eligible to participate, and FDACS established a cost-share program to reimburse each participant a portion of the cost of the weather station.

Contact Information: Rick Lusher, University of Florida, IFAS Extension, Gainesville, FL, PO Box 110350, Gainesville, FL 32611, Tel: 352-846-3219, Email: rlusher@ufl.edu
Aquaponics for Teaching and Demonstration

Maxine Floyd¹, Maia McGuire² and Danielle Treadwell³

¹Duval County Extension, University of Florida, IFAS
²Florida Sea Grant Extension, University of Florida, IFAS
³Horticultural Sciences Department, University of Florida, IFAS

Situation: Recirculating aquaponic systems use much less water than traditional in-ground farming. Experiential learning opportunities lead to increased knowledge retention and promote positive behavior change. Experience with aquaponics will lead to increased appreciation and awareness of environmentally-friendly practices, fresh, locally-grown food, and food security. This workshop was designed to teach students, teachers, and youth advisors techniques to build their own aquaponic system. By incorporating aquaponics into daily classroom activities teachers can increase nutrition education opportunities and address childhood obesity, while providing student participation in project based learning. Aquaponic systems can be expensive and time-consuming, but this program shows participants how to build an inexpensive and user-friendly system which will produce plants and fish simultaneously.

Objectives: The objectives of the Aquaponics for Teaching and Demonstration Program are first, to provide clear instructions on building an aquaponics system using primarily recycled materials; and second, to provide supporting materials for system maintenance and related education materials for classroom use.

Methods: The program uses a miniature aquaponic system as a tool to enhance students’ experience in science, technology, engineering and math. The model system is small enough to be set up in any classroom setting. It can be used to teach plant growing techniques, the nitrogen cycle, aquaculture techniques and recycling practices, while increasing awareness of environmental issues facing Florida. Participants gain knowledge on basic principles of aquaponics, Florida rules and regulations, and instructions for constructing a small aquaponics system.

Contact Information: Maxine Floyd, University of Florida, IFAS Duval County Extension, 1010 N McDuff Avenue, Jacksonville, FL, 32254, Tel: 904-255-7450, Email: maxine32666@ufl.edu
Developing Relevant Extension Programs for Vegetable Farmers in Food Safety

D. E. Toro\textsuperscript{1}, R. C. Hochmuth\textsuperscript{1}, E. M. Toro\textsuperscript{2}, A. Gazula\textsuperscript{3}, S. R. McCoy\textsuperscript{4} and D. K. Fenneman\textsuperscript{5}

\textsuperscript{1}Suwannee Valley Agricultural Extension Center, Live Oak, FL
\textsuperscript{2}University of Florida, IFAS Suwannee County Extension, Live Oak, FL
\textsuperscript{3}University of Florida, IFAS Alachua County Extension, Gainesville, FL
\textsuperscript{4}Suwannee Valley Agricultural Extension Center, Live Oak, FL
\textsuperscript{5}University of Florida, IFAS Madison County Extension, Madison, FL

The requirements for successfully completing third party food safety audits are constantly changing for fruit and vegetable growers. Over the last five years, approximately 150 farmers in Northeast Florida were trained to develop a food safety manual for their operation. This program allowed farmers to learn how to implement their own plans without the expense of hiring a consultant. However, as the requirements from buyers and auditing companies changed, new educational programs needed to be developed. These changes have included: developing a food safety program based on the Global Food Safety Initiative (GFSI) not just a standard Good Agricultural Practices (GAP) audit, having HACCP trained staff while packing houses are in operation and refining programs for product recall and crisis management. In the past two years, Extension agents have provided leadership and partnered with key industry representatives and grower associations to provide six advanced food safety trainings. Through this process, Extension agents have emerged as leaders in providing the necessary training and certification to meet the ever changing needs. A total of 125 farmers, industry partners and Extension agents have attended these trainings. In addition, Extension agents have worked directly with farmers on their farm to help them implement their food safety plans. Furthermore, the industry as a whole has significantly raised the level of expertise in the area of food safety and now consider these practices a routine part of their business.

Contact Information: Dilcia Toro, SVAEC, 7580 CR 136 East, Live Oak, FL 32060; Tel: 386-362-1725, Email: dtoro@ufl.edu
Farm Incubator Educational Training for New and Beginning Farmers and Ranchers

E’licia L. Chaverest, Duncan M. Chembezi, and JaMarkus Crowell
Small Farms Research Center, Alabama A&M University, Normal, AL

The New and Beginning Farmer and Ranchers Program at Alabama A&M University (AAMU) was conceived to provide and enhance opportunities for new and beginning farmers to establish and sustain viable agricultural operations in Alabama. Through the development and implementation of innovative educational training programs, services, and social networks, the Small Farmers Research Center at AAMU and its partners will train 250 new producers and reach over 2,000 additional new and beginning producers by 2015 through general outreach and information dissemination.

The purpose of this project is to deliver outreach training and provide technical assistance to beginning farmers and ranchers so they can successfully acquire, own, operate, and retain sustainable farming and ranching enterprises. Through this project, AAMU Small Farms Research Center and its partners will train farmers and deliver agricultural information, enhance and increase farm knowledge, skills and abilities that will enable beginning farmers and ranchers to participate in USDA agricultural programs, services and benefits. The project’s specific objectives are as follows:

1. Equip beginning farmers and ranchers with knowledge, skills and abilities.
2. Promote the availability of and accessibility to USDA programs and services among new and beginning farmers and ranchers.
3. Provide production and management strategies that enhance the financial viability of new and beginning farmers and ranchers.
4. Train new and beginning farmers and ranchers in areas of marketing education, business planning, and overall farm business management.

This poster will discuss, in greater detail, how AAMU’s farm incubator educational training program operates and assists in growing a new generation of farmers and ranchers. It will also highlighting some of the project’s success and not so successful lessons learned.

Contact Information: E’licia L. Chaverest, Small Farms Research Center, Alabama A&M University, P.O. Box 700, Normal, AL 35762, Tel: 256-372-4970, Email: elicia.chaverest@aamu.edu
Florida – America’s Culinary Paradise Trails Guide and Culinary Academy Awards

Noreen Kinney
Florida Culinary Academy Awards, St. Petersburg, FL

The Culinary Trails Educational Guide and Culinary Academy Awards recognize the work of individuals, groups or organizations involved in the Florida World of Food. They are showcased through the Legend of the Diamonds Chart. The symbol of a Quality Diamond, featured in different colors, identifies the different Culinary Arenas found across the State. A Green Diamond represents a Farm or Ranch, while a Red Diamond identifies Slow Food. Or a deep Mauve Diamond indicates a Vineyard & Winery, and a Purple Diamond stands for a Conference, Trade Show or Festival. The purpose of the educational guide is to help visitors to locate various food scenes across Florida. The goal is to establish Florida as America’s Culinary Paradise and the Culinary Capital of the USA.

Contact Information: Noreen Kinney, Florida Culinary Academy Awards, St. Petersburg, FL 33710, Tel: 727-347-2437, Email: CulinaryParadise@aol.com
Fostering an Agritourism Industry

M. E. Henry
Polk County Extension, University of Florida, IFAS

From buy local slogans to specialty logos communicating the value of the origin of products, consumers are looking for opportunities to connect with growers. This trend in consumer preference may also offer a profitable business opportunity for agritourism operations prepared to take on the challenge.

Though many Extension programs currently feature limited farm tours, a comprehensive statewide agritourism program is lacking. The Agricultural Awareness Initiative in the current UF/IFAS Extension Strategic Plan seeks to eventually provide some guidance and framework and future statewide efforts are expected to be modeled after existing successful programs. A recently passed law limits the liability of agricultural operations engaged in agritourism, but is yet untested, thus participating farms should be prepared to take on some risk.

Though existing agritourism options are hit or miss, located within about an hour of both Tampa and Orlando, Polk County is strategically to benefit from tourist destinations such as Walt Disney World, Busch Gardens and Legoland Florida. An inaugural blueberry tour conducted in April 2014 by UF/IFAS Extension Polk County featured a blueberry U-Pick, a blueberry winery and packinghouse. Open to the public and advertised with cooperating County departments and industry outlets, the objectives of the program were to foster the development of an agritourism industry by providing a test of the potential interest and willingness of consumers to pay for such activities.

Contact Information: Mary Beth Henry, University of Florida, IFAS Polk County Extension, 1702 Hwy 17 S., PO Box 9005, Drawer HS03, Bartow, FL 33831-9005, Tel: 863-519-1049, Email: mbhenry@ufl.edu
Giant African Land Snail (GALS): A Threat to Florida Agriculture and Natural Resources

E. Vanessa Campoverde¹ and Leroy Whilby²

¹ University of Florida, IFAS Extension Miami-Dade County
² Cooperative Agriculture Pest Survey (CAPS) Division of Plant Industry (DPI), Florida Department of Agriculture and Consumer Services

The Giant African Land Snail (GALS), *Lisachatina fulica*, is one of the largest and most damaging land snails in the world. It grows up to ten inches in length and more than four inches in diameter. GALS is a serious plant pest because of their rapid reproductive cycle and plant voracity. This snail feeds on more than 500 host plants and has the potential to destroy crops, forests, ornamental plants and natural environments. It also may be a vector of fungal plant pathogens and a parasite rat lungworm, causing a public health concern. For these reasons, GALS is listed as one of the 100 worst invasive species in the world.

In September of 2011, Florida Department of Agriculture and Consumer Services (FDACS) Division of Plant Industry (DPI) confirmed the presence of GALS in Miami-Dade County, Florida. Since then, FDACS/DPI has been conducting an active eradication program in collaboration with state and federal agencies. As of February of 2014, there is a total snail count of 140,201 GALS collected in 26 areas since their initial detection.

Public and agricultural community’s education plays an important role in the early detection control of this invasive snail. Plant trading is the main factor causing this invasive pest to spread. UF/IFAS Extension in collaboration with FDACS/DPI have delivered trainings on accurate identification and management of GALS. Awareness of the general public enables their active participation in eradicating these snails. Outreach efforts will continue to contain and suppress the invasive snail until complete eradication is achieved.

Contact Information: E. Vanessa Campoverde, University of Florida, IFAS Miami-Dade County Extension,
18710 SW 288th Street, Homestead, FL 33030, Email: evcampoverde@ufl.edu
How Do Pesticides Get Registered for Specialty Crops and Minor Uses? Focus on “The IR-4 Project Minor Use Pesticide Program” at the University of Florida

Michelle Samuel-Foo¹ and Peter Dittmar²
¹Food Science and Human Nutrition, University of Florida, Gainesville, FL
²Horticultural Science Department, University of Florida, Gainesville, FL

Have you ever wondered how pesticides for specialty crops get registered? The IR-4 project is the organization that since 1963, has been helping growers of specialty crops in Florida and around the nation solve their pest management issues. IR-4 is a federally funded cooperative unit whose mission is to “facilitate registration of sustainable pest management technology for specialty crops and minor uses.” This is achieved by developing data from field residue trials according to US Environmental Protection Agency (EPA) mandated good laboratory practices (GLP) guidelines to support new tolerances and labeled product uses. Specialty crops include fruits, vegetables, tree nuts, herbs, ornamentals and other high value horticultural crops that are grown on 300,000 acres or less.

Chemical companies that develop and sell plant protection products (pesticides) usually focus their resources on major markets. Potential sales in small markets do not justify investments in initial or continuing registration of commercial pesticides due to the smaller market base. This results in a major void for specialty crop growers, as in order for a pesticide to be legally used in the US, its use must be registered or exempted by the US EPA as mandated by the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA). IR-4 fills this void and is the only program that generates GLP data in support of petitions submitted to the US EPA to secure the establishment of new tolerances and labelled uses for specialty crops.

Contact Information: Dr. Michelle Samuel-Foo, IR-4 Regional Field Coordinator, University of Florida, IFAS, 1642 SW 23rd Drive, PO Box 110720, Gainesville FL 32611, Tel: 352-392-1978 ext. 406, Email: mfoo@ufl.edu
Improving Small Farms Operations in Tanzania

Teresa Olczyk1, W. Bowen2, D. Hansen3, D. Karaybill4, A. Mattee5, J. Mkindi6 and T. Msogoya7

1University of Florida, IFAS Miami-Dade County Extension
2University of Florida, IFAS International Programs
3OSU
4Innovative Agricultural Research Initiative (iAGRI)
5Sokoine University of Agriculture
6Tanzania Horticultural Association
7Sokoine University of Agriculture, Tanzania

UF/IFAS Miami-Dade County Extension Director Teresa Olczyk visited Tanzania in November 2013. She was invited by Tanzania Horticultural Association (TAHA) to introduce the U.S. Extension model to multiple stakeholders including TAHA, Ministry of Agriculture, Crop Production and Cooperatives and the Sokoine University of Agriculture (SUA) and help these organizations develop collaborative agreements (MOUs) to work together on dissemination of practical information to small and medium farmers by the Tanzanian governments and private Extension Services. The overall objective is to improve efficiency and skills of small to medium farmers by exchanging information on good agricultural practices, postharvest, food safety and business management and improving farmers’ knowledge through hands-on training, producing publications and coordination of efforts of these organizations to improve Extension Service in Tanzania. The CED had opportunity to visit several small and medium farms in two regions of Tanzania near Arusha and Morogoro and learned about simple postharvest technologies introduced by TAHA, SUA and other organizations helping small farmers not only to produce for the local market but also export fresh and dried produce to United Kingdom and other European countries. She was also invited to visit packing facility, seed improvement center, tissue culture lab and small “agribusiness incubator” for SUA graduates who want to start small agriculture related businesses. Several of these ideas and technologies could be potentially implemented by UF/IFAS Extension staff in their work with small farmers and agricultural businesses in Florida.

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North Florida School of Special Education

Tim Armstrong
Farm Manager, Jacksonville, FL

These days the average household features a quarter acre yard with more shade than sun. This doesn’t seem like a plausible environment for a vegetable garden but according to the Farm Manager, Tim Armstrong, every yard has potential. Located off of Mill Creek Road in Jacksonville, Florida, Berry Good Farms sprouted quite literally out of the backyard of the North Florida School of Special Education. What once began as a modest wheat grass operation has now blossomed into a facility that produces berries, micro greens, herbs and aquaculture. Berry Good Farms takes up an acre of land behind the school that it shares with the playground and portable classrooms which house the Culinary and Art classes. Students can go from the playground into a thriving garden in two steps. The culinary program utilizes produce grown and harvested right outside the kitchen. The Art students gather leaves and sticks for art supplies and even decorate pots for use in the garden. This creates a fascinating and productive unity. All of the students are involved in the farm, from the post-grads to the five year olds in Elementary One. The farm isn’t just about horticulture, it’s about the empowerment that stems from learning and creating. It’s about community. It’s about growth. And it’s berry, berry good.

Contact Information: Tim Armstrong, Farm Manager, 223 Mill Creek Road, Jacksonville, FL 32211
Seepage vs. Center-Pivot Irrigation for Potato Production

Xiaolin Liao¹, Guodong Liu¹, Lincoln Zotarelli¹, Crystal Snodgrass² and Alan Jones³
¹Horticultural Sciences Department, University of Florida, IFAS, Gainesville, FL
²University of Florida, IFAS Manatee County Extension, Palmetto, FL
³Jones Potato Farm, Parrish, FL

Seepage irrigation is most widely used for potato production in Florida but inefficient in water use. Central pivot irrigation is significantly more efficient. To evaluate the potential of water-saving under central pivot, field trials were conducted on Jones Potato Farm in Parrish, Florida, where both central pivot and seepage irrigation systems are implemented. The water usage, potato yields and quality were compared between the two irrigation systems in 2013 spring growing season at four locations. Two 20-feet long rows were used for tuber yield measurement. Our results showed seepage irrigation had slightly greater tuber yields (13.5 ± 2.3 ton/acre) than center pivot irrigation (12.6 ± 2.1 ton/acre). The total water applied for seepage irrigation and center pivot irrigation ranged from 28 to 36 inches and 15 to 20 inches, respectively. Center pivot irrigation saved 40% water and had significantly greater efficiency in water use compared to seepage irrigation. Additionally, in two freeze events of 2013, higher foliage coverage, greener plants, and less freeze damage were found under central pivot. Central-pivot provided freeze protection. More research is required to fully evaluate the potential of switching the conventional seepage irrigation to the overhead irrigation.

Contact Information: Crystal Snodgrass, University of Florida, IFAS Manatee County Extension, 1303 17th Street West, Palmetto, FL 34221, Tel: 941-722-4524, E-mail: crys21@ufl.edu
Success Tips for Beginner Vegetable Farmers in Miami-Dade County

Qingren Wang and Teresa Olczyk
Miami-Dade County Extension, University of Florida, IFAS

There are always opportunities for growers interested in winter fresh market vegetable farming with a favorable weather in Miami-Dade County or south Florida. However, it is commonly frustrating to start a new and small farming business on fresh produce of vegetables due to a lot of concerns and uncertainties, governmental regulations, and technical problems. To assist new growers for success, general tips might be helpful, which include budget planning, marketing strategies, food safety guidelines, scientific sound programs, and risk prevention. As fresh produce, marketing, packing, handling, and transportation are top priorities because in order to keep fresh, growers have to put their produce on the market as soon as possible. For marketing, a rule of thumb is that “do not try to grow anything before knowing where the customers are”. There are a number of possibilities to explore the market, for instance, grocery stores, restaurants, flea market, roadside fruit and vegetable stands, and u-picks based on the farming budget, scale, and location. Food safety is of great importance because any outbreak of foodborne illness can cause the growers run out of business due to a huge cost and litigation procedures. To avoid such a consequence, Good Agricultural Practices (GAPs) with a comprehensive traceback system have to be considered. For instance, in tomato production, T-GAP has become a mandatory practice in Florida. In addition, pest management, especially Integrated Pest Management (IPM), soil nutrient and water Best Management Practices (BMPs), and freeze protection for high value vegetable crops are essentially required.

Contact Information: Qingren Wang, University of Florida, IFAS Miami-Dade County Extension, 18710 SW 288 Street, Homestead, FL 33030, Tel: 305-248-3311 ext. 234, Email: qrwang@ufl.edu
Survey of Microbial Quality of Fresh Herbs from Supermarkets, Local Markets and Farmer’s Markets

Amy H. Simonne¹, Yi Su¹, Wei-yea Hsu¹ and Tung-Shi Huang²
¹University of Florida, Gainesville, FL
²Poultry Sciences Department, Auburn University, Auburn, AL

Introduction: Herbs such as basil, parsley, cilantro, and green onions are often used in uncooked dishes and sauces such as salsa. In recent years, salsa and guacamole have been cited as emerging vehicles of foodborne illness in the US. As a part of a need assessment for educational programs for fresh produce handlers (including producers, managers, and restaurant owners), we evaluated total microbial populations of Salmonella, E. coli O157:H7 and Shigella on cilantro, green onions, jalapeños, and serrano peppers from supermarkets, local markets, and farmer’s markets. A total of 201 cilantro, green onion, jalapeño, and serrano pepper samples from seven cities were purchased and analyzed. For aerobic plate count (APC), coliform bacteria (CB), and E.coli detection, petrifilms were used. U.S. Food and Drug Administration Bacteriological Analytical Manual procedures were followed for Salmonella, E. coli O157:H7 and Shigella assays. Populations of microbial loads were calculated and analyzed by ANOVA (SAS 9.4).

Results: E. coli loads ranged from 1.18 to 2.42 log CFU/g in four positive samples. APC load on collected samples varied from 4.61 to 8.56 log CFU/g, and CB levels ranged from 0 to 5.68 log CFU/g, respectively. Levels of CB and APC on cilantro were significantly higher than loads on the other three types of produce (P <0.05). CB levels on farmer’s market produce samples were significantly higher than levels on samples from local markets and supermarkets (P <0.05). No Salmonella, E. coli O157:H7, or Shigella was detected.

Significance: This study provides more information on the microbial loads of cilantro, green onions, jalapeños, and serrano peppers purchased at different venues. The results will provide insights and understanding of risk for producers, handlers, and consumers who handle these items, particularly since they are often consumed raw.

Contact Information: Amy Simonne, P.O. Box 110310, 3025 McCarty Hall, University of Florida, Gainesville, FL 32611, Tel: 352-273-3536, Email: asim@ufl.edu
Training and Demonstration of Best Management Practices in Vegetables and Fruits on Small Farms in North Florida

Gohar Umar, Bobby Phills, and Muhammad Haseeb
Florida A&M University, Tallahassee, FL

Fruits and vegetables production in North Florida at small farms has not achieved its full potentials due to limited new knowledge and improved farm technology including new cultivars availability. To find the solution to these challenges, vegetable demonstration plots were setup with 72 raised beds in 2 blocks and 28 rows (60 feet long) in 2 blocks as a part of FAMU's Small Fruits and Vegetables Outreach Program using best management practices. The selected vegetables were planted in early March to April and grown throughout summer and fall. The crops consisted of okra, mustard greens, red bell pepper, green beans, mustard, turnips, collard greens, eggplants, and tomatoes. Fruit trees were planted around vegetable production area that included peach, plum, nectarine, grapes, apple, pear, citrus and persimmon. They were evaluated for small farm productivity and profitability for small growers. To train small farmers, extension agents and students in horticultural best management practices, several hand-on workshop and trainings were conducted throughout the year that included., workshop on soil preparation, seed sowing, fertilization, irrigation, pruning, grafting; pesticide training and Grape Harvest Festival. On-farm training and demonstrations were carried out to disseminate the improved technology. Also, we provided experiential learning experiences to K12 participants. All participants received extensive hands-on experiential learning on best management practices from our trained outreach and extension faculty, collaborators and staff. The linkages and partnerships developed under this program have enhanced the extension component of the College of Agriculture and Food Sciences in serving the underserved communities in urban settings.

Contact Information: Gohar Umar, Center for Viticulture and Small Fruit Research, Florida A&M University, 6505 Mahan Drive Tallahassee, FL 32317, Tel: 850-590-5450, Email: Gohar.umar@famu.edu
A new long range plan to teach hands-on IPM principles and practices was developed at the Suwannee Valley Agricultural Extension Center in response to increased interest among small farmers in Florida to adopt innovative pest management strategies. A three year Extension IPM grant from USDA, NIFA was secured to transform a 330 acre farm at the Suwannee Valley Agricultural Extension Center in Live Oak, FL into a teaching field laboratory. The teaching field laboratory addresses three primary objectives to: 1) create a model that can be used to teach IPM principles and techniques beyond the classroom, 2) teach clientele whole farm IPM approaches, and 3) build a sustainable education infrastructure and networking capacity for future IPM information delivery. The IPM strategies emphasized at the site include: maintaining annual and permanent plantings that attract beneficial organisms and provide year round habitats, demonstrating strategic trap cropping systems, providing beneficial vertebrate habitats (e.g., bat houses, bird houses, and brush piles), utilizing banker plant systems (especially in greenhouse programs), demonstrating how to increase natural pollinators, and enhancing the ecological contribution of the lake, surrounding forest and other natural resources on the farm. Since 2011, the Living IPM Laboratory has increased awareness, internally to IFAS and associated agencies, of the opportunities to improve the adoption of IPM practices on a wide range of farm sizes and for a variety of cropping systems. The project has been implemented by a diverse multi-disciplinary team of over 25 members of University of Florida faculty and staff members along with associated agency cooperators. Educational programs on the farm include “Greenhouse and High Tunnel Vegetable IPM”, “Vegetable Cropping Systems for IPM on Small Farms”, “Farmscaping and IPM Training for Vegetable Gardening IPM for Master Gardeners”, and “Advanced Special Topic Small Farmer IPM Training”. A total of 17 trainings, attracting a total of 472 participants have been conducted at the Living IPM Laboratory in a three year span.

Contact Information: Robert Hochmuth, SVAEC, 7580 CR 136 East, Live Oak, FL 32060, Tel: 386-362-1725 ext. 103, Email: bobhoch@ufl.edu
Vegetable growers in the Suwannee Valley have adopted drip irrigation and plastic mulch over the past 25 years to produce vegetable crops. Soils in the area are sandy with low water holding capacity and low organic matter content. Consequently, vegetable production in the Suwannee Valley requires intense irrigation and fertilization management. Extension agents have been working with vegetable growers to refine their management of the technology. The goal has been to improve efficiency of water and nutrient management by conducting on-farm weekly sap testing. Plant nutrient status can be determined in the field by squeezing plant sap onto meters that measure either nitrogen or potassium giving a grower an instant result to guide the weekly fertilizer program. In addition, updates on nutrient and irrigation management are offered to growers at annual meetings. The benefits of improved management have been multifold as reported by cooperating producers: reduction in fertilizer use, improved fruit quality, reduced environmental losses of nitrogen, fertilizer applications to match plant requirements, and improved economic returns to the farms. Area vegetable growers have adopted several best management practices (BMPs) including: irrigation sensors, petiole-sap testing, and refining fertilization rates; resulting in adoption of recommendations on nearly 100% of the area. This project impacted 31 operations that grow a combined 1,500 acres of mixed vegetables. These educational programs have made a great impact toward adopting BMPs voluntarily. Growers see and learn on their own farm and often serve as early adopters that help teach other growers.

Contact Information: Dan Fenneman, University of Florida, IFAS Extension Madison County, Tel: 850-973-4138, Email: dfenneman@ufl.edu
Exhibition Building Layout

Exhibitor Unload & Load Area (Not for Public Access)
Overhead doors 16' wide by 14' high

Exhibit Hall A
- Friday 5:00-7:30pm Exhibit Preview and Welcome Reception
- Saturday 8:00-9:00am Morning Refreshments
- 10:00-11:30am Networking and Learning Opportunities
- 12:30-1:30pm Dessert with Exhibitors

Refer to the Exhibit Room Floor Plan

Exhibit Hall B
- Saturday 9:00-10:00am Conference Welcome Innovative Farmer Awards
- 11:30-1:00pm A Celebration of Local Foods (Lunch)

Friday—2:00pm
Alternative Fruit Production

Saturday—1:45pm
Postharvest Handling and Cooling of Specialty Crops

Saturday—4:00pm
An Overview of Breeding, Genetics and Technology for Specialty Crop Seed Production

Friday—2:00pm
Weed Identification and Management

Saturday—1:45pm
What’s Bugging You? Part 1: Specialty Crop Pest and Beneficial Insect Identification

Saturday—4:00pm
What’s Bugging You? Part 2: Specialty Crop Disease Identification

Friday—2:00pm
Transitioning to USDA Organic Certification: The Benefits, Challenges, and Processes

Saturday—1:45pm
Develop and Implement a Fertility Plan in Certified Organic & Sustainable Vegetable Systems

Saturday—4:00pm
Soil Health in the Subtropics and Tropics

Pre-function Area
Registration
St. Cloud B
Kissimmee AB

KVLS Pavilion Layout

Arena Sessions

**Friday—2:00pm**  
Handling Beef Cattle: How to Work Cows Properly

**Saturday—1:45pm**  
Small Ruminant Production Part 1: From Hobby Farm to a Profitable Florida Goat Industry

**Saturday—4:00pm**  
Small Ruminant Production Part 2: Parasite Control in Goats

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Conference Room Sessions

**Friday—2:00pm**  
Safe Handling of Dressed Poultry

**Saturday—1:45pm**  
Small Scale Dairy Production Part 1: Starting an Operation

**Saturday—4:00pm**  
Small Scale Dairy Production Part 2: Selling Products for a Profit
Additional Information

Medical Assistance:

In case of an emergency, DIAL 911 on a cell phone, and state the emergency.
There is also a phone located in the Manager on Duty office in the Exhibition Hall. That office sits directly in front of Hall B. On that phone you must dial 9-911, the first 9 is to get an outside line.

Our location is:
Osceola Heritage Park
1875 Silver Spur Lane
Kissimmee, FL 34744
Be sure to indicate which building: Exhibition, KVLS Pavilion, or IFAS Extension Services Building

Area Hospitals

Osceola Regional Medical Center
700 W. Oak Street, Kissimmee, FL 34741
Telephone: 407-846-2266
Web Site: www.osceolaregional.com

St. Cloud Regional Medical Center
2906 17th Street, St. Cloud, FL 34769
Telephone: 407-892-2135
Web Site: www.stcloudregional.com

Florida Hospital Kissimmee
2450 N Orange Blossom Trail
Kissimmee, FL 34744
Telephone: 407-846-4343
Web Site: www.floridahospital.com/kissimmee

Area Pharmacies

Walgreens
1111 W Vine St
Kissimmee, FL 34741-4168
Telephone: 407-847-5252

Walgreens
2274 Boggy Creek Rd
Kissimmee, FL 34744
Telephone: 407-344-7134
Web Site: www.walgreens.com

Publix Super Market (Lakeview Plaza)
2340 Fortune Rd
Kissimmee, FL 34744-3993
Telephone: 407-348-7686
Web Site: www.publix.com

Business Services

FedEx Office Print & Ship Center
3295 Greenwald Way N, Suite B
Kissimmee, FL 34741
(Across from the LOOP shopping plaza on John Young Pkwy.)
Telephone: 407-933-6760
Web Site: www.fedex.com/us/office
Open until 9 p.m. weekdays and 6:00 p.m. weekends.

FedEx Office Print & Ship Center
4350 W Vine St
Kissimmee, FL 34746
Telephone: 407-396-2923
Web Site: www.fedex.com/us/office
Open until 9 p.m. weekdays and 6:00 p.m. weekends.

Transportation

Yellow Cab
722 E Donegan Ave, Kissimmee, FL 34744
Telephone: 407-846-2222
Category: Taxicab Service | Hours: 24 hours

County Taxi
4489 W Vine St, Kissimmee, FL 34746
Telephone: 407-396-0003
Category: Taxicab Service | Hours: 24 hours

Maingate Taxi
15 S Hoagland Blvd, Kissimmee, FL 34741
Telephone: 407-870-5553
Web Site: www.maingatetaxi.com
Category: Airport Shuttle & Taxicab Service
Hours: 24 hours