State Of Florida

RESOLUTION

WHEREAS, in 1862 President Lincoln signed the Morrill Act, also known as the “Land Grant Act”, donating to states tens of thousands of acres of public land to sell and invest the proceeds in an endowment fund that would provide support for colleges of Agriculture and Mechanical Arts, known as land-grant universities; and

WHEREAS, Florida’s land-grant universities were established under the Morrill Act which consist of the University of Florida (UF) and Florida Agricultural and Mechanical University (Florida A&M University); and

WHEREAS, the Smith-Lever Act of 1914 established the Cooperative Extension Service, a partnership between federal, state, and county governments, to connect the research and information gathered by the land-grant universities with the general public through educational programs; and

WHEREAS, the Florida Cooperative Extension Service, administered by the University of Florida and Florida A&M University, has helped millions of Floridians by converting their agricultural research and discoveries into practical knowledge that is used every day; and

WHEREAS, at the University of Florida, Extension is located in the Institute of Food and Agricultural Sciences (IFAS), along with the College of Agricultural and Life Sciences (CALS) and the Florida Agricultural Experiment Station, and is called UF/IFAS Extension; and

WHEREAS, at Florida A&M University, Extension is the outreach arm of the College of Agriculture and Food Sciences (CAFS) and is responsible for coordinating activities and events of mutual benefit with UF/IFAS; and

WHEREAS, the Florida Cooperative Extension Service educates the public on issues such as sustainable agriculture, competitiveness in world markets, natural resource conservation, energy conservation, food safety, child and family development, consumer credit counseling, and youth development; and

WHEREAS, educational opportunities offered to the public by the Florida Cooperative Extension Service include programs such as Distance Diagnostic & Identification System, Fishing for Success, Florida AgSafe Network, Florida Bird Monitoring, Florida’s Forest Stewardship, Florida-Friendly Landscaping, Florida Lakewatch, Florida Master Gardener, Florida Master Naturalist, Florida Wildlife Extension, Green Communities, Program for Resource Efficient Communities, Integrated Pest Management, Pesticide Certification, Plant and Animal Production, Florida Small Farms, Florida Master Money Mentor, Florida Saves, Community Development, Youth and Family Nutrition, Strengthening Florida Families, and Florida 4-H.

NOW, THEREFORE, BE IT RESOLVED that the Governor and Cabinet of the State of Florida do hereby recognize the

100th ANNIVERSARY OF THE
COOPERATIVE EXTENSION SERVICE

and encourage the citizens of Florida to participate in their local extension office educational programs to increase their knowledge of agriculture, human and natural resources, and real life issues affecting their communities.

IN TESTIMONY WHEREOF, the Governor and Cabinet of the State of Florida have hereunto subscribed their names and have caused the Official Seal of the State of Florida to be hereunto affixed in the City of Tampa on this 6th day of February, 2014.

RICK SCOTT
GOVERNOR

PAM BONDI
ATTORNEY GENERAL

JEFF ADWATER
CHIEF FINANCIAL OFFICER

ADAM H. PUTNAM
COMMISSIONER OF AGRICULTURE
The Smith/Lever Act of 1914 established the Cooperative Extension Service for the purpose of extending the knowledge of land grant universities to help solve local problems in every county in the United States. This act set forth a Federal, State, and County (cooperative) partnership that celebrated its centennial anniversary in 2014!

The first County Extension Agent in Orange County was Charles Henry Baker, who began work on February 23, 1914. Since then, numerous Extension professionals have dedicated their lives to help identify county needs and develop results oriented programs to help solve those needs. Originally focusing on agriculture and home economics, modern day Extension Agents focus on agriculture, horticulture, natural resources, family and consumer sciences and 4-H youth development. Even with expanded Extension roles that include energy, water and natural resource conservation, healthy communities, housing and sustainable living techniques, among others, the tradition of a local needs based, results oriented service organization continues.

The United States Department of Agriculture is our Federal partner, the University of Florida and Orange County Government are our State and County partners. The Florida Extension Service is managed by the Institute of Food and Agricultural Science at the University of Florida, thus the UF/IFAS designation.

I hope this 2013-2014 bi-annual overview will help provide the details of our continued progress toward the mission of the Florida Cooperative Extension Service to develop knowledge in agriculture, human and natural resources, and the life sciences and to make that knowledge accessible to sustain and enhance the quality of human life!

Sincerely,
Richard V. Tyson, PhD
County Extension Director
Orange County’s Cooperative Extension Division major program areas:

- Agriculture, Horticulture & Natural Resources
- Family & Consumer Sciences
- 4-H Youth Development

29 Full Time Staff: 12 Extension Agents, 8 Administrative Staff, 6 Program Assistants & 3 Field Staff

2013 - 2014 Educational Highlights – Averaged per Year in All Program Areas:

- 2,528 educational events attended by 50,865 adults and youth
- 12,727 questions answered by phone
- 8,742 office visitors helped
- 603 volunteers contributing 52,449 hours worth $1,058,766 of service to the County
- 8,636,633 television, newspaper, radio, website and magazine contacts

Cooperative Extension Funding

- $1.3 million – Orange County Government
- $1.6 million – University of Florida & USDA

Success Story:

A recent Customer Satisfaction Survey conducted by the University of Florida’s Institute of Food and Agricultural Sciences was a resounding success for Orange County Extension as shown by our clients overall satisfaction with our service 97.8% satisfied or very satisfied!
<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Extension Director’s Message</td>
<td>1</td>
</tr>
<tr>
<td>Economic Impact</td>
<td>2</td>
</tr>
<tr>
<td>Table of Contents</td>
<td>3</td>
</tr>
<tr>
<td>Agriculture/Horticulture</td>
<td></td>
</tr>
<tr>
<td>Small Farm and Commercial Vegetable Production</td>
<td>4</td>
</tr>
<tr>
<td>Livestock, Natural Resources, and Public Policy</td>
<td>5</td>
</tr>
<tr>
<td>Production Horticulture</td>
<td>6</td>
</tr>
<tr>
<td>Landscape Management and Pesticide Applicator Training</td>
<td>7</td>
</tr>
<tr>
<td>Residential Horticulture</td>
<td></td>
</tr>
<tr>
<td>Urban Horticulture</td>
<td>8</td>
</tr>
<tr>
<td>Orange County Master Gardeners</td>
<td>9</td>
</tr>
<tr>
<td>Exploration Gardens</td>
<td>10</td>
</tr>
<tr>
<td>Orange County Landscaping Outlook</td>
<td>11</td>
</tr>
<tr>
<td>Family and Consumer Sciences</td>
<td></td>
</tr>
<tr>
<td>Housing, Money Management, and Sustainable Living</td>
<td>12</td>
</tr>
<tr>
<td>Florida Master Money Mentors, and Home and Community Education Volunteers</td>
<td>13</td>
</tr>
<tr>
<td>Nutrition, Food Safety, and Human Development</td>
<td>14</td>
</tr>
<tr>
<td>Master Food and Nutrition Volunteers</td>
<td>15</td>
</tr>
<tr>
<td>Nutrition and Health Education, and Chronic Disease Risk Management</td>
<td>16</td>
</tr>
<tr>
<td>Family Nutrition Program (FNP)</td>
<td>17</td>
</tr>
<tr>
<td>Orange County 4-H</td>
<td></td>
</tr>
<tr>
<td>4-H Youth Development</td>
<td>18</td>
</tr>
<tr>
<td>4-H Club Membership and Activity</td>
<td>19</td>
</tr>
<tr>
<td>100th Anniversary Celebration</td>
<td>20</td>
</tr>
<tr>
<td>Orange County Proclamation of Centennial Celebration Week</td>
<td>21</td>
</tr>
<tr>
<td>Faculty and Staff</td>
<td></td>
</tr>
<tr>
<td>Back cover</td>
<td></td>
</tr>
</tbody>
</table>
Richard Tyson earned PhD and MS degrees from the University of Florida in Horticultural Sciences. He has spent 24 years in the Florida Cooperative Extension Service. He also spent 7 years as a vegetable farm manager in Immokalee, FL.

Email: rvt@ufl.edu  
Website: http://orange.ifas.ufl.edu/faculty.html#Richard_Tyson  
Phone: 407-254-9201

2013-14 Educational Highlights:

Alternative agricultural production methods successfully adopted by small farmers and Master Gardeners throughout Florida are demonstrated at the UF/IFAS Extension Orange County Exploration Gardens. Local adoption of practices are on-going, generating economic development of local food production and local economies. Estimated revenues from new local operations in the 2013-2014 growing season were near $750,000 dollars. University of Florida economists say that every dollar spent on locally produced food generates $2.40 of economic value to the local economy as workers’ paychecks are used to buy other local products and farmers purchase new material to grow the next crop, which also generates more dollars circulating through the local economy. Supporting local agriculture, whether traditional or urban agriculture, makes good economic sense for Orange County!

The Local Food Systems/Urban Farming Conference took place on October 22, 2013 at the UF/IFAS Extension Orange County. It focused on three tracks - Urban Farming, Cottage Foods, and Beekeeping. This full-day event was attended by 120 people who had the opportunity to choose from 12 different classes taught by Extension Agents, entrepreneurs, farmers and business owners, as well as go on garden tours, and visit with 18 local vendors.

Small Farm aquaponic demonstration in the Exploration Gardens.
Livestock / Natural Resources / Public Policy

Dennis Mudge earned an MA from Cornell University of the Ivy League, and has been with the University of Florida IFAS Extension for more than 17 years. In addition to his multi-county responsibilities, he is also a Natural Resources Educator in Orange County.

Email: dmmudge@ufl.edu
Website: http://orange.ifas.ufl.edu/faculty.html#Dennis_Mudge
Phone: 407-254-9208

2013 - 2014 Educational Highlights:

Livestock Production, Farm Management, Agriculture Policy, Natural Resources Education, and Forage Production Management are the educational programs Dennis is responsible for. He plans, develops, and implements year-round programs for these areas. Issues affecting large and small farms as well as issues coming from the rural/urban interface are also addressed.

The Dangers of Poisonous Plants Learned by Cattle Ranchers

In Florida, the livestock industry operates on more than 5 million acres of pastureland, generating $1.5 billion in livestock and related product sales. Ranchers small and large need University based research to prosper. The Spring Ranchers’ Forum is one of many outstanding educational events. It is the largest on-private ranch field day in the state. This event, along with agent ranch visits, teaches many things. These past two years, poisonous plant education has been emphasized. This year’s participants were surveyed on last year’s program. The results were staggering: 955 gained animal science skills; 95% shared this information with other ranchers; 62% experienced economic gain as a direct result. The savings was $98,565 by those surveyed and estimated at $443,513 as a group who attended last year. These figures are hard evidence that the University of Florida IFAS Extension Orange County is an excellent investment and programs like the Spring Ranchers’ Forum have a major impact on the Central Florida economy.

City of Orlando Pilot Chicken Program

This outstanding effort has served to bring urban populations in touch with, and therefore more supportive of, agriculture. It also has been a model for similar efforts across the state of Florida and nationwide.

2013 - 2014 Multi-County Educational Effort

- 215 educational events attended by 8,678 people
- 206 field and office consultations
- 1,560 telephone consultations
- 37 educational pieces developed
- 171 email consultations
- 436,709 hits to the CFLAG website
- 6,149 educational materials distributed

• National Exposure
  • 4 Front Page Articles, Orlando Sentinel
  • Many articles rewritten and quoted in Florida and in large cities across the U.S.
Liz Felter is a Production Horticulturist with University of Florida IFAS Extension Orange County. Liz has a PhD and an MS from the University of Florida and a BS from Ohio State University and has been with Extension for 21 years. She is responsible for developing, implementing and evaluating Extension educational programs for commercial production horticulture in Orange County. The topics covered in this area include Best Management Practices (BMPs), encompassing the most efficient use of water and fertilizer, integrated pest management (IPM), new cultivars and production techniques, marketing and new technologies.

Email: lfelter@ufl.edu
Website: orange.ifas.ufl.edu/cfnurseries
Phone: 407-254-9203

2013-14 Educational Highlights:

- 35 educational events attended by 1,592 people
- 31 field and office consultations
- 940 telephone consultations
- 25 educational pieces developed
- 3,092 email consultations
- 6,123 hits to the Central Florida Nurseries website
- Increased electronic distribution of the statewide newsletter, The Plant Producer
- Secured in-kind donations of $7,866

IPM Nursery Scout Training
21 people attended this 3 day workshop. The class teaches early detection of insect, disease and cultural issues in order to use the most effective means of control that also has the least impact on the environment, all while growing a quality plant. Fourteen percent of the participants reported receiving a raise after completing this class.

Best Management Practices
203 plant samples were processed at the weekly plant diagnostic clinic. More than 40% of the samples exhibited symptoms that were determined to be improper cultural practice and not disease or insect related. Participants reported the value of crops saved by the clinic services ranged from $100 - $300,000. In addition, growers attended a program to teach skills to better monitor irrigation and fertilizer and irrigation practices in order to not contribute to nitrogen pollution through run-off. Participants reported a 22% increase in knowledge of the fertilizer and irrigation monitoring practices.
Celeste White is a Commercial Horticulturist with the University of Florida IFAS Extension Orange County. Celeste is a graduate of the University of Maryland and has been with University of Florida Extension for 27 years. She provides education and training for the landscape management industry and commercial pesticide applicators.

Email: cwhite@ufl.edu
Website: http://orange.ifas.ufl.edu/cflandscapes
Phone: 407-254-9210

The Landscape Management Program includes best management practices and topics such as integrated pest management, fertilizer management, pesticide application, pest identification and water conservation. Pesticide Applicator Certification helps program participants obtain and maintain their pesticide licenses and includes exam preparation, administration and license retention with continuing education classes. In 2013 - 2014, there were 2,197 landscape maintenance, lawn maintenance, irrigation and pest control businesses with a business tax license in Orange County.

2013-14 Educational Highlights:
- 74 educational events attended by 2,890 participants
- 276 site visits and office consultations
- 423 problems diagnosed
- 250 email consultations
- 25,373 educational materials distributed
- 21 PowerPoints and educational materials created
- 132,371 hits on the Central Florida Landscapes website
- The Central Florida Landscapes ENews, a monthly e-newsletter, has 763 subscribers

Best Management Practices
Florida Green Industries Best Management Practices Certification (GI-BMP) is mandated by the State of Florida and Orange County’s fertilizer ordinance. All commercial applicators are required to obtain a fertilizer applicator’s license and become GI-BMP certified in order to apply fertilizers and to obtain or renew a local business tax certificate. In 2013-14, a total of 443 participants took BMP certification classes with an average of 84% becoming certified. There was a 13 point increase in knowledge indicated by the difference between the scores of the pre and post tests.

Central Florida Gardening
Central Florida Gardening is an Extension television program that provides up-to-date horticulture and other information to the residents of Orange County. The 30 minute program is a production of Orange TV. Co-hosts Tom MacCubbin and Celeste White have been giving hands-on lessons in environmental horticulture on the show for 16 years. The Central Florida Gardening show airs more than 25 times per month to an estimated 450,000 viewers. Individual segments are available at www.orangetvfl.net.

Garden Explorers 4-H Camp
The horticulture team has offered the Garden Explorers 4-H Camp to 25 youth ages 9-11 since 2010. Each year, the 5 day camp includes many hands-on educational activities, experiments, presentations and a field trip. Parents were surveyed after the camp and an average of 82% said that their child spent more time gardening since camp and 100% were more aware of the environment. An average of 95% said that their child shared what they learned in camp with their family.
Residential Horticulture

Ed Thralls is an Urban Horticulture Extension Agent and Master Gardener Volunteer Program Coordinator at UF/IFAS Extension Orange County, Florida, a division of the Orange County Family Services Department. He is a graduate of the University of Florida and a Certified Florida Master Gardener. He has been providing horticultural information to homeowners in the Central Florida area since 1998.

E-mail: ed.thralls@ocfl.net
Website: orange.ifas.ufl.edu/mg
Phone: 407 254 9209

2013-2014 Program Highlights:

- 118–122 Orange County citizens were actively serving as Master Gardener volunteers; 42 candidates were trained and 35 completed the certification process.

- 12,587 client/customer contacts were made in the three plant clinics that service the citizens of Orange County with 9,615 volunteer hours with an estimated in-kind service value to UF/IFAS Extension Orange County of $204,228.

- 17,314 hours of volunteer service were donated to the UF/IFAS Extension Orange County with an estimated in-kind service value of $367,761.

- 246 hours of volunteer service to staff the “Ask the Expert” booth at Walt Disney World EPCOT International Flower and Garden Festival, 647 hours to staff public venues throughout the county in support of local festivals and events of a horticulture nature and 557 hours volunteer service in support of 4-H Youth Development, Horticulture Camp, and “The Garden” programs in support of youth at an estimated value of $60,683 of in-kind service to UF/IFAS Extension Orange County.

The UF/IFAS Extension Orange County Master Gardener Volunteer Program has been serving Orange County citizens with unbiased, research-based information for more than 33 years.

The vision of the Florida Master Gardener Program is “To be the most trusted resource for horticultural education in Florida,” and the mission of the program is to train volunteers “To assist Extension Agents in providing research-based horticultural education to Florida residents.” Volunteer activities are quite varied and can include answering horticultural questions over the phone, in person, or through news and social media outlets; participating in public service projects; giving educational programs; supporting youth activities; performing soil sample evaluations; assisting in field research; and other activities deemed appropriate in support of the mission statement. The ultimate end to all of these activities is to extend the vision of UF/IFAS Extension – protecting and sustaining natural resources and environmental systems, enhancing the development of human resources, and improving the quality of human life through the development of knowledge in agricultural, human and natural resources and making that knowledge accessible.
Florida Master Gardeners are university-trained volunteers who assist UF/IFAS Extension in providing home and residential horticulture and environmental stewardship information throughout the county. They become recognized as garden experts representing and serving the USDA, University of Florida and Orange County.

**Phone:** 407 254 9200  
**E-mail:** orange@ifas.ufl.edu  
**Website:** orange.ifas.ufl.edu/mg  
**Facebook:** www.facebook.com/OCMGS

### Positive Volunteer Development
Membership in the UF/IFAS Extension Orange County Master Gardener Volunteer program is granted upon successful completion of Master Gardener volunteer training classes, completion of a final examination, and by remaining a member in good standing. The program is open to all interested persons without regard to race, color, national origin, religion, gender, disability, marital or veteran status, or any other legally protected status. The UF/IFAS Orange County Master Gardener Volunteer Program trains and maintains horticulture volunteers for UF/IFAS Extension. The goals of this program are to increase the availability of horticultural information to the community at large and to improve the quality of life for the residents of Orange County through horticulture volunteer activities.

### Relationship to Other Programs
Volunteers are encouraged to function as an educational resource by participating in other community programs. The Orange County Master Gardener Volunteers participate in other Extension Programs (4-H Youth Development, Family and Consumer Sciences, Agriculture and Natural Resources, Florida Friendly Landscaping™) and numerous local organizations (garden clubs, community gardens, community based organizations, schools, churches, nonprofit agencies, libraries, etc.).

### Program Funding
Funding for the Orange County Master Gardener Volunteer program comes from Federal, state and county levels, in addition to the often vital contribution of the Orange County Master Gardener Volunteers. The amount of funding support from government agencies varies. Other funding sources can include fees for services, grants, private donations and bequests. Fundraising is an important role for the Orange County Master Gardener Volunteer program. Donations may be accepted for the program.

### Statistics
An average of 118 volunteers annually with the following demographics:

- **Gender:** Female: 70%, Male: 30%.
- **Race:** White or Caucasian: 91%, Black or African American: 5%, Asian: 2%, Other: 2%
- **Ethnicity:** Hispanic or Latino: 2%
- **Residence:** Cities, Towns, Suburbs 87%, Small Towns, Farms: 13%

---

![Projects vs. Days](image1)

![Projects vs. Volunteer Hours](image2)

![Projects vs. Volunteers](image3)
Residential Horticulture

Kelly Greer is part of the Residential Horticulture team at UF/IFAS Extension Orange County. Kelly’s main program areas are the Florida-Friendly Landscaping™ program and management of the Exploration Garden. She also coordinates the Lakewatch volunteers and the Adopt-A-Tree program. Kelly earned a BS from the University of Missouri–Columbia and an MA from Webster University.

Email: kelly.greer@ocfl.net
Web Site: orange.ifas.ufl.edu
Phone: 407-254-9224

Exploration Gardens

The Exploration Gardens showcase the diversity of gardening and landscaping options available to residents in Central Florida. The gardens allow residents an opportunity to see and explore plants, insects, diseases and other common landscape problems in person rather than through photos, literature and lecture. Each of the 9 themed gardens educates about a specific topic, from Florida-Friendly Landscaping™ principles to home vegetable gardening. The learning opportunities are endless. The Exploration Gardens are made possible through the many volunteer hours from the Master Gardeners, UF/IFAS Extension Orange County faculty, staff, and community volunteers and partnerships.

In 2014, the Exploration Gardens averaged 835 self guided visits per month. UF/IFAS Extension Orange County faculty, invited facilitators and Master Gardener guides provided formal group tours 20 times in 2014 to reinforce topics taught in classroom. These tours included clientele from all Extension disciplines. The Exploration Gardens were also used for individual consultation 40 times per month on average. In 2014, over 8,348 individuals visited the Exploration Gardens, connecting them with proper landscape practices, landscape design demonstrations, diverse types of vegetable and herb gardening, and plant, pest and disease identification.

2013-2014 Educational Highlights:

Educational workshops, presentations, garden tours and outreach are offered for residents in the areas of landscaping and gardening. These programs provide research-based, unbiased information to the public that emphasizes proper plant selection, planting, maintenance and pest control required to create healthy, beautiful landscapes and gardens with minimal impact to the environment.

Horticulture Spotlights

Florida’s nursery industry and retailers supported the gardens and programming by donating time and materials totaling more than $19,500 in value.

More than $6,000 worth of in-kind donations and materials were given.

Volunteers worked for more than 615 hours - a value of $13,055.
Jennifer Pelham has been a Horticulture Extension Agent with the University of Florida/IFAS Extension for 14 years. She joined Orange County Extension in May 2014. Her previous experience as an Extension Agent was in Osceola County. Jennifer has a BS from Penn State University and two MS degrees from the University of Florida.

Email: jenjen15@ufl.edu
Website: http://www.facebook.com/gardenflorida
Phone: 407-254-9206

Orange County Landscaping Outlook

Central Florida’s unique environmental conditions sometimes cause well-meaning individuals to waste water, fertilizer, pesticides and money through inappropriate landscape designs and improper landscape maintenance practices. Orange County has more than 1.2 million residents and approximately 275,000 owner-occupied households. With a projected population growth of 4% annually, this nonstop urban development places tremendous pressure on Florida’s limited water resources, creating a continuing need for dissemination of information to the many residents unfamiliar with Florida’s unique environmental conditions. Many current and future residents lack key knowledge required to make sound decisions regarding their landscapes. These residents water too much, apply unnecessary fertilizers and pesticides, and lack the familiarity necessary to operate and maintain their irrigation systems efficiently. These practices can lead to pollution of the lakes, streams, ground water, and other bodies of water. This is called non-point source pollution. To reduce non-point source pollution and preserve our water resources, it is critical that lawns and landscapes are managed with an environmental emphasis. By providing residents with key knowledge on the best management practices for their lawns and landscapes, we can help them make landscaping decisions that have minimal impact on the environment.

Residential Horticulture 2013 -2014 by the Numbers

- 16,419 county residents attended classes, workshops and demonstrations.
- 229 new educational materials were created, including factsheets, documents, charts, tables and guides.
- 6,984 telephone consultations were conducted with Orange County residents.
- 6,333 Orange County residents visited the office with horticulture/gardening questions.
- 2,035 e-mail consultations transpired between Orange County residents and the Residential Horticulture Program Agents.
- Almost 3,800 landscape trees were provided to almost 2000 Orange County residents through the Adopt-A-Tree Program.
- Interviews with local radio and television stations reached an estimated audience of 450,000.

Information is provided to the public through workshops, seminars, and garden tours. Individual consultations are also available through free plant clinics. Visit http://www.gardenfloria.eventbrite.com for a list of upcoming classes or call to schedule a seminar with your HOA, garden club, or organization (workshops limited to availability).
Mary Sue Kennington is a Family and Consumer Sciences Agent with programs focusing on home ownership; healthy, efficient and safe homes; family financial wellbeing; and volunteer management. Volunteer based programs under her leadership include the Orange County UF/IFAS Master Money Mentor Volunteer Program and the Orange County Home and Community Education Association. Mary Sue earned her M.Ed in Adult & Community Education from Colorado State University and a BS in Home Economics from Georgia Southern University. She has been an Extension Agent for 37 years; 19 years with the University of Florida IFAS and 18 years with Colorado State University Extension.

Email: marysuek@ufl.edu
Phone: 407-254-9204
Facebook: www://facebook.com/LivingWellOrangeCounty Extension

2013-2014 Educational Highlights:
- 2,065 phone calls
- 7,208 participants reached during 282 events
- Over 7,079 volunteer hours contributed - a value of $150,317.00 (rate of $21.24 per hour)

Healthy, Safe, and Efficient Homes
One hundred thirty-eight individuals, agency representatives and child care providers increased their knowledge about indoor allergens and potential toxins in the home and how to take action to create a healthier home environment. Worked 14 community health fairs reaching more than 2,250 individuals, with 980 of them stopping to engage in learning about healthier home environments. Seven Orange TV segments were produced related to safe and efficient home environments. Each segment had a viewing audience of 450,000.

Post Purchase Homeownership Workshops
Homeowners who receive education are two times more likely to mitigate a delinquency or foreclosure action. Stable homeowners benefit the community by contributing tax revenues and purchasing local goods and services. One hundred sixty first time homeowners participated in 15 workshops, resulting in increased emergency funds and maintenance savings. 98% reported the workshop as very helpful in showing the importance of continuing to meet their financial obligations. Of those surveyed six months after the workshop, 98% reported the workshop was valuable in teaching them how to protect and maintain their home asset. 99% had filed Homestead Exemption within the recommended first year resulting in tax savings per household.

Financial Wellbeing
Educated limited resource audiences on topics of budgeting and financial resource management through newsletters, TV, social media, workshops, and distribution of 625 IFAS Extension Money Management Calendars. Participated in the America Saves campaign to encourage individuals to accomplish savings goals. Conducted two Florida Master Money Mentor Volunteer trainings (FMMM). Trained and certified 31 volunteers; 43 clients requested a meeting with a FMMM volunteer. Held four On-My-Own Real World Simulations for youth and four Poverty Simulations for adults, reaching 582 individuals who learned the importance of creating and following a budget and balancing resources.
Master Money Mentor Volunteers

Volunteers trained to meet one-on-one with clients as a money mentor coach to help individuals establish budgets, improve credit scores, establish emergency funds, or reach other financial goals.

2014 Graduating Class

Left to Right: Lizette Reyes (UF/IFAS Extension Orange County Administrative Specialist), Carmen Ziers, Michelle Sawko, Sharon West, Lynda Potter, Taylor Spangler (UF/IFAS FMMM State Coordinator), Jerry Higgins, Saudi Ellis, Pinkie Freeman, Beth Becht, Marlene Costigan, Harold Garrick. Rad Lamenza (not pictured)

Orange County Home and Community Education Association (HCE)
90 years strong—serving and educating Orange County Residents

Highlights: HCE members handcrafted over 12,500 items such as Ouch Dolls, quilts, shorts, hats, etc. that were donated to non-profits caring for cancer patients, seniors, military personnel, families of migrant workers, etc. HCE held monthly educational programs at the Extension Office and at the Renaissance Senior Center. Members meet monthly with their workgroup units in the Williamsburg community and at the Renaissance Center. Connie Ouellette held leadership positions as County HCE President as well as District HCE President. Orange County HCE hosted the 2014 District III Annual Conference at the UF Extension Office. At the 2014 State HCE Annual Conference, the following Orange County HCE Volunteers received recognition for 1,000 hours of volunteer work: Irene Nay, Doris Runnels, Maureen Knappenberger, Nancy O’Hara, and Connie Ouellette.

Congratulations Gladys Boggan—celebrating 70 years as a HCE member! Congratulations Rita Van Horn—celebrating 52 years.

Orange County Human Services employees participated in a Poverty Simulation during the Many Faces of Poverty team activity instructed by this agent with guest presentation by Dr. Gutter, UF Extension Specialist.

This activity was designed to give Orange County employees a better sense of the frustrations and problems encountered by the residents they serve.

A follow-up survey of participants showed a large percentage felt that they now have a greater understanding of the daily stresses faced by people living in poverty.
LuAnn Duncan earned her MA in Home Economics Education from The Ohio State University. She has worked 20 years in Extension and has been with Orange County for the past 5 years. Her program areas are Nutrition, Food Safety and Human Development and she coordinates the Master Food & Nutrition Volunteer Program.

Email: laduncan@ufl.edu  
Website: http://orange.ifas.ufl.edu/fcs/food_health.html  
Phone: 407-254-9207

Food safety and nutrition concepts are included in each cooking demonstration and hands-on class. The use of household appliances like pressure cookers, slow cookers, food dehydrators and canners were taught. Cooking for one, adding more fresh fruits and vegetables, and increasing the consumption of whole grains are some of the nutrition classes that were offered.

**Food Preservation** has become a central focus in the past five years as people are preserving foods at home for food security and wellness. In the past two years, classes have been given on basic food preparation skills related to pressure canning, water bath canning, freezing and dehydrating. Classes were added in 2014 with the assistance of three trained Master Food Preservers. The classes included tomatoes and tomato products, canning salsas and canning meats. Innovative jams and preserves were also included and fruit butters and honeys were made through “hands-on” classes.

**Diabetes Prevention**  
A $12,000 grant was received to publicize the CDC National Diabetes Prevention Program through local health care providers. Three one year long classes have been filled as a result. The participants are experiencing success by losing weight, and lowering their triglycerides and blood sugar levels.

**The Child Care and Youth Training and Technical Assistance Program (CYTTAP)** Provided over $25,000 toward training for early childhood professionals to obtain their required continuing education credit hours. Over 220 teachers received training in 2013, and 635 in 2014.

**Food Safety** training for people employed in the food service business was offered through ServSafe™ and Safe Staff™ programs. Additional programs are provided for professional food service personnel to meet annual in-service requirements.

**Cottage Food** law changes in 2013 & 2014 sparked public interest in new business opportunities. Training classes were offered on starting a Cottage Food business, providing basic start-up information and addressing food safety concerns.
23 Master Food and Nutrition Volunteers assisted in conducting programs by planning, teaching and assisting in preparation and clean up. They wrote news releases, newsletter articles, posted items on Facebook and filmed television lessons. They have contributed over 3650 hours at a value of over $50,000 since they began in 2011.

Community volunteers assist in a variety of ways at programs in lieu of paying registration fees or by contributing through Volunteerism Pays. Walmart has given $3,000 in the past two years to support this effort.

University of Central Florida students who are members of the American Chemistry Society assist with planning and implementing Camp Cuisine: Experimenting in the Kitchen. This award winning program teaches basic chemistry and applies those principles to the cooking experiences conducted each day. The University students improve their communication and teaching skills and students learn new life skills in addition to new science concepts.

Also providing volunteer hours for Camp Cuisine are Disney VoluntEARS. These interns from many different countries demonstrate foods native to their country and share international stories with camp participants.
Jamila Adams joined the Family & Consumer Sciences Department in 2015. Jamila is a Registered Dietitian. She earned her MS in the field of Dietetics from Florida State University in 2009. Her program focus areas will include Nutrition, Health and Wellness Education, Chronic Disease Risk Reduction, and supervision of the Family Nutrition Program (FNP) grant. Jamila will be responsible for integrating science and research principles with everyday lifestyles in an effort to help individuals and families make better nutrition and physical activity choices to reduce the onset of chronic disease.

Email: jadams2@ufl.edu  
Phone: 407 254 – 9212  
Website: http://orange.ifas.ufl.edu/fcs/index.html

FNP Total Funding: $544,992

Staff:
- 1 full-time Coordinator
- 6 full-time Program Assistants

Participants (n = 8,366)
- <5 years: 16
- 5 – 17 years: 8,080
- 18 – 59 years: 130
- 60 + years: 140

Participant Demographics (%):
- Female: 49%
- Male: 51%

Race/Ethnicity (%):
- White: 73%
- Hispanic/Latino: 52%
- Black: 21%
- Asian: 2%
- Other: 4%

Educational Sites:
- Public Schools
- Community Centers
- Elder Service Centers
- Emergency Food Assistance Sites
- Churches
- Headstart Facilities
- Extension Office
- Grocery Stores
Family Nutrition Program

The Family and Nutrition Program is a federally funded educational program that teaches low-income individuals the importance of a healthy lifestyle. Instruction on how to improve diets, engage in physical activity, keep food safe, and budgeting are presented to participants in an effort to prevent and/or delay the number of individuals experiencing chronic illness over time. Programs focus on modifying lifestyle behaviors of youth, adults, and seniors. For 2013 and 2014, a total of 8,366 nutrition education contacts were provided to diverse populations at a variety of educational sites.

Program Coordinator

Kim Shouldice

FNP HIGHLIGHTS

FNP helps low-income Orange County families learn how to:

Make healthy food choices for the whole family by:
- Choosing healthy foods
- Preparing nutritious snacks
- Choosing foods for a healthy pregnancy
- Making healthy food choices for infant and child development

Prepare delicious and safe food by:
- Preparing new recipes
- Tasting new foods
- Acquiring cooking skills
- Learning about food safety and storage
- Achieving good personal hygiene

Make money and food stamps go further by:
- Planning meals
- Making grocery lists
- Shopping wisely for groceries
- Budgeting food dollars and food stamps
- Using food labels to choose best buys

Program Assistants

Shari Bresin
Deborah Freeman
Danielle Gegelman
Kaitlyn Plemmons
Cyndi Thomas
Patrick Zayas
Orange County 4-H

Elver Pardo, a native from Bogotá D.C. Colombia, South America, received his MA in Education from Drury University in Missouri, and a degree in psychology from Universidad Santo Tomas in Bogotá, Colombia. Elver is experienced as a 4-H Youth Education from Drury University in Missouri, and a degree in psychology from

Email: pardoe@ufl.edu  
Phone: 407-254-9205  
website: orange.ifas.ufl.edu/4h/index.html

876 Enrolled Club Members

4-H Projects By Enrollment
- Robotics: 191
- Horse: 144
- Poultry: 127
- Rabbits: 102
- Archery: 72
- Swine: 80
- Beef: 60

PREPARING YOUTH FOR THE FUTURE

We prepare Orange County youth to be responsible citizens and productive members of the workforce. Through Orange County 4-H’s unique relationship with the Cooperative Extension System, UF/IFAS Extension and Orange County Government bring together the best minds in science, engineering and youth development to design programs that work! 4-H youth are 3X more likely to contribute positively to their communities. 4-H youth are developing a sense of purpose and a sense of personal and civic responsibility.

As one of the world’s largest youth development organizations, found in all 50 states of the union, 4-H is empowering young people today to grow a healthier and more prosperous future. With a rich history grounded in agriculture and a focus on developing leadership and innovation, 4-H is unmatched in its ability to help young people develop the skills they need to meet the demands of our complex and ever-changing world.

Orange County 4-H is the local affiliate of Florida 4-H, a division of University of Florida IFAS Extension. There are more than 1,300 Orange County youth engaged in 4-H programs. Activities include: robotics, shooting sports, public speaking, animal science and so much more!

Orange County 4-H is honored to work with a powerful network of private and public partners who share our vision for the future. To our many friends and supporters, we thank you. Our investments in young people today will pay big in our tomorrow.
Orange County 4-H

Karen Miliffe has been a 4-H Agent since January 2004 in three counties: Granville County, North Carolina; Osceola County, Florida and now Orange County. Karen enjoys working in the areas of leadership, citizenship, communication and science. One of the most rewarding aspects of her job is working with volunteers.

Email: karen.miliffe@ocfl.net
Phone: 407-254-9213
website: orange.ifas.ufl.edu/4h/index.html

4-H Program 4-H SCIENCE PROGRAMS have actively sought to spark an early youth interest in science education and related careers by providing exciting and approachable hands-on learning experiences to inspire the next generation of STEM leaders. 4-H is well positioned to grow tomorrow’s scientists, engineers, and mathematicians.

4-H HEALTHY LIVING PROGRAMS seek to equip youth and their families with the knowledge and skills that will prepare them physically, emotionally, and socially to meet the challenges of the 21st century. Young people in 4-H are 2X more likely to exercise and be physically active.

BRINGING COMMUNITIES TOGETHER 4-H programs empower young people to be well-informed citizens who are actively engaged in their communities and the world. By providing youth with opportunities to connect to their communities and adult leaders, 4-H helps them gain a clear understanding of their value and role in creating positive change.

How Does ORANGE COUNTY 4-H Measure Responsibility?

$189,508 in monetary contributions for 2013 & 2014

512 Volunteers supported Orange County 4-H

Average Economic Value of volunteer hours exceeded $1.8 Million

222 Runners in 2013 & 2014

4-Hers Pledge
I pledge my head to clearer thinking, my heart to greater loyalty, my hands to larger service, and my health to better living, for my club, my community, my country and my world.
Orange County Mayor Theresa Jacobs and Orange County Commissioners pose with UF/IFAS Extension Orange County staff and supporters at the Proclamation of Centennial Celebration Week of the Cooperative Extension Service.

Extension Agent Emeritus Tom MacCubbin, Agent Liz Felter, Director Richard Tyson, and Agent Celeste White cut the cakes at the UF/IFAS Extension Orange County Open House celebration of the 100 year Anniversary on May 12, 2014.
Proclamation

WHEREAS, May 8, 2014, marks the centennial of the signing of the Smith-Lever Act, which established the Cooperative Extension Service, an education system operating through 160 land-grant universities in all 50 states in partnership with Federal, State and County governments, for the purpose of extending research based knowledge to solve local needs in every County of these United States; and

WHEREAS, Orange County hired its first Extension Agent, Charles Baker, in 1914, to help local residents where they live and work; and

WHEREAS, Cooperative Extension’s research-based education for farmers and ranchers helped establish the United States, the state of Florida, and Orange County as leading agricultural producers with Orange County currently being the 9th largest agricultural economy among Florida’s 67 counties; and

WHEREAS, Cooperative Extension’s 4-H Youth Development program has reached thousands of youth, helping them prepare for responsible adulthood; and

WHEREAS, Cooperative Extension also teaches healthy lifestyle choices, promoting local food production, nutrition and food safety, and energy saving techniques that create more sustainable local communities and strengthens the local economy; and

WHEREAS, Cooperative Extension’s Family Nutrition and Master Gardener programs helped start over 35 school and community gardens in Orange County in the last 10 years and, coupled with its gardening and nutrition education, are having a far reaching effect on reducing the long term health care costs of our families and communities.

NOW, THEREFORE, I, Teresa Jacobs, by virtue of the authority vested in me as Orange County Mayor, do hereby proclaim the week of May 4 through May 10, 2014 as

CENTENNIAL CELEBRATION WEEK OF
THE COOPERATIVE EXTENSION SERVICE

in Orange County, Florida.

DONE AND ORDERED this 6th day of May, 2014.

TERESA JACOBS, ORANGE COUNTY MAYOR

S. SCOTT BOYD, ORANGE COUNTY COMMISSIONER, DISTRICT 1

PETE CLARKE, ORANGE COUNTY COMMISSIONER, DISTRICT 3

TED EDWARDS, ORANGE COUNTY COMMISSIONER, DISTRICT 5

FREDERICK C. BRUMMER, ORANGE COUNTY COMMISSIONER, DISTRICT 2

JENNIFER THOMPSON, ORANGE COUNTY COMMISSIONER, DISTRICT 4

TEA TAO MOORE RUSSELL, ORANGE COUNTY COMMISSIONER, DISTRICT 6
Faculty

Richard V. Tyson, Ph.D.
County Extension Director
Small Farms/Commercial Vegetable Production

Jamila Adams
Nutrition & Health Education/
Chronic Disease Risk Management

LuAnn Duncan
Nutrition/Food Safety/Human Development

Liz Felter, Ph.D.
Commercial Production Horticulture

Kelly Greer
Florida Friendly Landscaping™

Mary Sue Kennington
Housing and Home Environment/HCE

Karen Miliffe
4-H Youth Development

Dennis Mudge
Livestock/Natural Resources/Public Policy

Elver Pardo
4-H Youth Development

Jennifer Pelham
Residential Horticulture

Edmund Thralls
Residential Horticulture/Master Gardener
Coordinator

Celeste White
Landscape Management/
Pesticide Applicator Certifications

Staff

Shari Bresin
FNP Program Assistant

Deborah Freeman
FNP Program Assistant

Danielle Gegelman
FNP Program Assistant

Caitlyn Glatting
Farm to School Coordinator

Linda Hull
Administrative Specialist

Tim Hurley
Trades Helper

Daron McDonnaugh
VISTA

Kaitlyn Plemmons
FNP Program Assistant

John Rahberg
Senior Park Specialist

Lizette Reyes
Administrative Specialist

Kim Shouldice
FNP Coordinator

Geraldine Shuler
Administrative Support Clerk

Cyndi Thomas
FNP Program Assistant

Chris Weber
Administrative Specialist

Darla Wilkes
Administrative Assistant

Patrick Zayas
FNP Program Assistant