

University of Florida / Nassau County Cooperative Extension Department Monthly Activity Report – February 2018

I. Faculty activities are reported to the University of Florida under 14 county major program initiatives. The goal and focus numbers identify the program with the University of Florida Statewide goals and focus areas. (Primary faculty contact, but many programs are collaborative)

#### <u>Jordi:</u>

#### County Extension Community and Leadership Development (Jordi & Favors) 22 attendees

- Developed the Overall Extension Program Monthly report to County Manager
- Worked in Demonstration Garden
- Met with HR director regarding reclassification of staff job descriptions
- Attended regional CED meeting in Taylor County
- Developed new annual appraisal for County faculty
- Attended landscape design meeting with Wildlight group regarding pond design and selection
- Received SJRWMD (Don Diamato) approval of pond design at Wildlight
- Reviewed Mentor program working with Taylor Clem Alachua County Extension
- Participated in Department Meeting- 15
- Attended Staff meeting 7WF

#### State Initiative 2: Enhancing/Protecting Water Quality, Quantity, and Supply

#### I. Florida Friendly Landscapes – total 394; 344 participants; volunteer: 50 participants

- Managed Plant clinics by answering questions from public 104 participants including plant disease diagnosis and insect and plant identification. Water conservation is always discussed as it directly relates to the reduction of disease. The cost for analysis of plant diseases from UF/IFAS would potentially cost clients \$75 per sample for a total savings of \$7,800. Twenty-five of those requiring diagnosis were one-on-one diagnostic office visits for additional value of \$75 per person for a savings of \$1,875. Total savings to Nassau County residents this month: \$9,675
- Organized and managed Master Gardener volunteers who provide telephone coverage by answering questions to the public on Fridays from 10am to 2pm. The paraprofessional volunteer time is valued at \$24.69\* an hour according to 2018 Florida data from the Independent Sector. The volunteer office hours provided Master Gardeners was 16 hours which totaled \$395.04. Additional time was donated to one of the two demonstration gardens for plant selection, plot preparation, planting, watering, fertilizing and general care for a total of 33 hours which totals to \$814.77. Total amount of volunteer time donated was valued at \$1,209.81\* \*(http://independentsector.org/programs/research/volunteer\_time.html).
- Performed eighteen pH soil tests at the local offices from this agent, Office Specialist, and Master Gardener volunteers which saved county residents \$54. Each test also includes phone/e-mail consultation with analysis and best management practices for optimal plant growth and production which may also include appropriate plant selection for the Northeast area. A reasonable cost for a personal consultation in the private sector would be \$25 per person for savings of \$925. Total savings to Nassau County residents \$1,036
- Taught Crash Course in Florida Gardening **198 attendees; 194 W, 4A, 36M, 162F**, topics included FFL, wildlife, vegetables, lawn grass, perennials, annuals, trees, palms, and citrus
- Taught class Pruning: **15W attendees, 6M, 9F**
- Taught class on lawngrass to Fernandina Beach garden club 27 attendees; 25W, 2A, 1M, 26F
- Conducted 1 homeowner site visit provided plant identification, plant replacement and tree diagnostic visit valued at \$150 per visit for **total of \$150**
- Calculation of economic value of instructional hours of extension programs using the median hourly wage for a Professor – Science is \$50 an hour, as of 2016. Therefore, the ROI for 3 instructional hours for the month of February for this UF/IFAS Horticulture Extension faculty is \$150.00

• Total savings to the Nassau County residents valued at \$12,220.81

#### Volunteers: Total: 15 participants

• Taught Landscape Matters class – Roses in the Home Landscape – 15 participants; 15W, 3M, 12F

#### II. Green Industry/Best Management Practices – total 16 participants

- Provided 7 phone/e-mail consultations valued at \$75 per consult, **total savings \$750.** Water conservation is always discussed as it directly relates to the reduction of disease
- Conducted 4 diagnostic site visit for County \$200 per hourly diagnostic visit which provided pest identification and best management practices. **Total savings valued at \$800**
- Conducted tree canopy examination, found invasive on Karen road, edited document to include information on improper pruning lions tailing. 1WM; 2WF. Value of examination \$200
- Conducted diagnostic site visits at Gerbing Road of 3 homes with invasive plants for Royal Pest design. 1WF, 3WM, 1BM; value of visit \$600
- Surveyed American Beach Historic site for County to meet Federal requirements, wrote evaluation. Value of \$200 for annual survey and report.
- Conducted diagnostic visit for diseased trees for TrimAll at Blackbeard Rd. 2WM, 1WF. Ambrosia beetles. Value of visit is \$200 to the local landscape business.
- Calculation of total savings for local landscape businesses and municipal entities is \$2,550

#### State Initiative 7: Focus 1: 4-H Youth Development – total 172 youth

- Taught, facilitated, managed Top Tomatoes volunteers Libby Wilkes and Jacqui Galbreath Yulee Jr. MG 4-H club with Boys and Girls club 36W youth; 20WM, 16WF
- Taught, facilitated, managed America's Youth volunteer Wendy Priesand FB Jr. MG 4-H club 56 youth; total: 12W, 44B; 36M, 20F
- Taught Emma Glove 80 children; 72W; 8B; 40M; 40F Harriet Klontz
- Calculation of economic value of instructional hours of extension programs using the median hourly wage for a Professor Science is \$50 an hour, as of 2016. Therefore, the ROI for instructional hours for the month of February for these Master Gardeners is \$650 (13 hours)

#### **Other County and University Events:**

- Attended Arborist training for CEU certification renewal obtained 6.5 hours
- Attended UF/IFAS In-Service training on research of leaching and/or runoff from home landscapes

# ROI for teaching is 14 x \$50 per hour for total value of \$700. Total ROI for all Horticulture programs for the month of February is valued at \$15,420.81

#### McAlpine:

#### State Initiative 5: Human Development and Family/Aging Well – total 17 participants

- Provided Medicare Literacy clinics to seniors: 7 participants: 2WM, 5WF
- FCS Medicare Literacy volunteer provided 8 clinics (30 volunteer hours) to seniors: 8 participants: 2WM, 6WF
- Provided biweekly training and support to FCS Medicare Literacy volunteer (3 hours): 2 participants: 2WF
   Total FCS volunteer hours: 33

#### Return of Investment: Teaching – 10 hours x \$50/hour = \$500; volunteer hours 33 x \$24.69 = \$814.77

# State Initiative 5: Food Safety and Nutrition – total participants: McAlpine 102 participants, Cox 221 Participants

- Taught 4 classes: Grains, Fats I, Fats II, and MyPlate at Pak's Afterschool Garden and Nutrition Program: 60 participants: 36WM, 24WF
- Taught 2 classes: Grains and Fats at Fernandina Beach Montessori school: 30 participants: 12WM, 16WF, 2BF

- Taught and certified Extension Agents for UF In Service Training Food Safety for Northeast District Extension Agents in Suwannee County: 10 participants: 1WM, 9WF
- Taught 6-hour food safety "ServSafe" training: 2 participants: 2wf
- Developed partnership with the Northeast Area Health Education Consortium (AHEC) to co-teach an evidence-based fall prevention curriculum for seniors "A Matter of Balance."
- Completed 2-day training and received certification as a co-facilitator to teach "A Matter of Balance" classes

#### Family Nutrition Program: Denis Cox

- Taught 4 nutrition classes at ARC: 89 participants: 56WM, 4BM, 4BF, 25WF
- Taught 8 YUM at YPS and CES: 132 participants: 52WM, 2BM, 70WF, 1HF, 7BF

Return of Investment: McAlpine Teaching – 18 hours x \$50/hour = \$900; Cox FNP monthly grant dollars \$2,000

#### State Initiative 5: Family Financial Management – total 31 participants

- Assisted at 3 VITA Tax Preparation Sites: Fernandina Beach and Callahan
- Taught setting SMART Financial Goals and Prepared 15 Income Tax returns as part of partnership with United Way's Volunteer Income Tax Assistance (VITA) Program: 30 participants: 10wm, 20wf
- Provided subsidy application assistance for help with Medicare prescription coverage, deductibles and copays: 1 participant: 1wf

# Return of Investment: Teaching 10 hours x \$50/hour=\$500; VITA low-income tax participants saved \$3,750

#### **Other County/University Events**

- Attended BOCC Wellness Advisory Committee Meeting
- Completed February's monthly report
- Attended monthly staff meeting
- Participated in FCS monthly web meeting

#### **Poppell:**

### Initiative 7: Focus 1: Organizational Strategies and Learning Environments to Support Youth Development – Total: 6 participants; volunteers – zero

- Participated in mentor meeting
- Co-led District VI Planning meeting, Total: 6 participants, 6W, 5F, 1M
- Participated in NE District Time Management training
- Participated in Citizenship-Leadership Action Team meeting
- Participated in monthly staff meeting
- Attended Nassau County Farm Bureau meeting

# Initiative 7: Focus 2: Volunteer Recruitment, Development, Management, and Retention. Total: 15 participants; volunteers – zero

- Led 4-H Association meeting, Total: 8 participants, 8W, 6F, 2M
- Co-led Club Leader meeting, Total: 15 participants, 15W, 12F, 3M

# Initiative 7: Focus 3: 4-H Subject Matter & Preparing Youth to be Responsible Citizens and Productive Members of the Workforce. Total: 603 participants; agent – 522; volunteer – 81

- Taught "Observations & Comparisons" at Hilliard Elementary School, Total: 135 participants, 125W, 4B, 4MF, 1H, 1AS, 67F, 68M
- Taught "Grains" at Amelia Island Montessori, Total: 16 participants, 13W, 3B, 8F, 8M

- Taught "Protein" at Fernandina Beach Christian Academy, Total: 19 participants, 17W, 2B, 11F, 8M
- Taught "Public Speaking" at County Council, Total: 13 participants, 13W, 8F, 5M
- Taught "Enabling Others to Act" at Youth Leadership Nassau, Total: 27 participants, 22W, 1AS, 2H, 2B, 22F, 5M
- Taught "Fast Foods" at Amelia Island Montessori, Total: 16 participants, 13W, 3B, 8F, 8M
- Taught "Heart to Greater Loyalty" at America's Youth, Total: 7 participants, 7B, 2F, 5M
- Taught "Measurements" at Hilliard Elementary School, Total: Total: 135 participants, 125W, 4B, 4MF, 1H, 1AS, 67F, 68M
- Taught "Dairy" at Fernandina Beach Christian Academy, Total: 19 participants, 17W, 2B, 11F, 8M
- Taught "Collaborations and Testing" at Hilliard Elementary School, Total: Total: 135 participants, 125W, 4B, 4MF, 1H, 1AS, 67F, 68M

#### Volunteers, Total – 81 participants

• Taught various subjects at community club meetings, Total: 81 participants, 77W, 4B, 45F, 36M

#### **Return on Investment (ROI)**

- Calculation of economic value of trained volunteers' contribution to extension programs: According to 2017
  Florida data from Independent Sector (http://independentsector.org/programs/research/volunteer\_time.html)
  the estimated dollar value of a volunteer hour is \$22.70. In Extension, trained volunteers are contributing to
  Extension programs by dedicating their time, skills, talent and expertise under supervision or guidance of
  faculty. Volunteers contributed total of 58.5 hours valued at \$1,327.95
- Calculation of economic value of instructional hours of extension programs using the median hourly wage for a Professor Science is \$50 an hour, as of 2016. Therefore, the ROI for instructional hours for the month of February for this 4-H UF/IFAS Extension Faculty is \$700 (14 hours)
- Calculation of economic value of personal consultations including club and project recommendations is valued at \$75/hour. Therefore, the ROI for the month of February is \$150 (2 hours)

#### Therefore, the total ROI for the month of February is \$2,177.92

#### Irvine:

# Initiative 7: Focus 1: Organizational Strategies and Learning Environments to Support Youth Development – Total: 7 participants; volunteers – zero

- Taught at Farm Bureau Meeting
- Participated in Area North Meeting
- Led staff meeting
- Co-led 4-H Association Meeting, Total: 7 participants. 2M, 5F, 7W
- Participated in District 6 Planning Meeting
- Facilitating post-embryology chicken adoption program

# Initiative 7: Focus 2: Volunteer Recruitment, Development, Management, and Retention. Total: 48 participants; volunteers – zero

- Co-Taught Club Leader Mid-Year Training, Total: 15 participants. 3M, 12F, 15W
- Trained YPS teachers for Embryology, Total: 14 participants. 14WF
- Taught Club Leaders through 4-H on the 4<sup>th</sup> newsletter, Total: 19 participants

# Initiative 7: Focus 3: 4-H Subject Matter & Preparing Youth to be Responsible Citizens and Productive Members of the Workforce. Total: 2,330 participants; agent - 280; volunteer – 2,050

- Taught Hippology, Total: 24 participants. 4M, 20F, 23W, 1B
- Taught embryology intro at YES, Total: 202 participants.110M, 92F, 172W, 8H, 8B,2A, 8 multi
- Taught embryology candling at YES, Total: 202 participants.110M, 92F, 172W, 8H, 8B,2A, 8 multi
- Co-Taught Winter Wonderland of Horses Clinic, Total: 24 participants.3M,21F,25W, 1H
- Taught embryology into at YPS, Total: 939 participants. 482M, 422F, 688W, 63B, 52H, 20A, 700ther
- Taught embryology candling at YPS, Total: 939 participants. 482M, 422F, 688W, 63B, 52H, 20A, 70Other

#### Volunteers, Total – 95 participants

• Taught Various Subjects at Community Club Meetings, Total: 95 participants. 61M, 34F, 82W, 8B, 5H

#### **Return on Investment (ROI)**

- Calculation of economic value of trained volunteers' contribution to extension programs: According to 2017
  Florida data from Independent Sector (http://independentsector.org/programs/research/volunteer\_time.html)
  the estimated dollar value of a volunteer hour is \$23.33. In Extension, trained volunteers are contributing to
  Extension programs by dedicating their time, skills, talent and expertise under supervision or guidance of
  faculty. Volunteers contributed total of 1,157 hours valued at \$26,992.81.
- Calculation of economic value of instructional hours of extension programs using the median hourly wage for a Professor Science is \$50 an hour, as of 2016. Therefore, the ROI for instructional hours for the month of November for this 4-H UF/IFAS Extension Faculty is \$1,250 (25 hours)
- Calculation of economic value of personal consultations including club and project recommendations is valued at \$75/hour. Therefore, the ROI for the month of August is \$150 (2 hours)

#### Therefore, the total ROI for the month of February is \$28,392.81

#### Other Events:

- Attended Conflict Management Webinar
- Attended Time Management Workshop
- Submitted award applications to FAE4-HA and NAE4-HA

#### Dacey:

#### State Initiative 3: Enhancing and conserving Florida's natural resources and environmental quality

#### Focus 2: Natural Resource Operations - total 160 agent taught participants; volunteer: 66 participants

Conducted diagnostic site visits and one on one discussion with this agent involve living shoreline recommendations, disease and insect detection, best management practices to protect water quality and conservation in addition to reducing run-off and leaching of pesticides and chemicals into water bodies. Each of these meetings includes providing clients with University of Florida research-based information.

- Provided 28 email/phone consultations, valued at \$75 per consult, total savings to county residents \$2,100
- Conducted 16 natural resource site visits, valued at \$200/hour, to assist Omni Plantation with initiating an Oyster Gardening Program, identified invasive species, visited potential living shoreline sites and provided recommendations for living shoreline projects with county citizens, **total savings \$4,800**
- Attended various meetings: Invasive Species Council, Horseshoe Crab Watch, Weed Wrangle, Sea Grant Estuary and Coastal Health Initiative Work Action Group (ECHI WAG), and Florida Master Naturalist Chapter Board meeting
- Attended Florida Master Naturalist Instructor Orientation

#### State Initiative 7: Focus 1: 4-H Youth Development Natural Resources – total 1 youth

• One youth analyzed water samples for microplastics citizen science project, 10 hours x \$24.69/hr, total savings \$246.90

### Focus 3: Environmental Literacy and Stewardship - total: 160 agent taught participants; volunteer: 65 participants

- Taught "Birds of Sweetwater Wetlands" at Northeast Florida Master Naturalist Chapter outing, total participants: 9, 6WF, 2WM 1HM
- Taught "Living Shorelines & CORE modules" for living shorelines hands-on workshop total: participants: 47, 25WF, 1HM, 21WM
- Taught "Gopher Tortoises of Amelia Island" for County American Beach Historic Park grant total: participants: 33, 22WF, 1HM, 4AAF, 6WM
- Taught "Invasive Species of Amelia Island" for Amelia Lifelong Learning course total participants: 57, 24WM, 33WF

- Organized and managed NE Florida Master Naturalist Chapter Officer Meeting, total: 9 participants, 1HM, 3WM, 3WF
  - Each officer contributed approximately 20 hours of time (6 hours for meeting, event planning and coordinating (8)). Total volunteer hours provided during the month were 180 x \$24.69/hr, total savings \$4,444.20
- Created Hike with a Naturalist planning committee, total: 5 participants, 1WF, 4WM
  - Overall volunteers contributed 59 x \$24.69/hr, total savings \$1,456.71
- Organized and managed Living Shorelines Hands-on workshop, total: 47 participants
  - Volunteers contributed 4 hours of time. Total volunteer hours provided during the month were 188 x \$24.69/hr, total savings \$4,641.72
- Return of Investment: Dacey Teaching 7 hours x \$50/hour = \$350; Total Volunteer Hours: 497 x \$24.69
   = \$12,270.93

#### Total ROI: \$19,417.83 for Initiative 3

# State Initiative 1: Increasing the sustainability, profitability, and competitiveness of agricultural & horticultural enterprises. Total: 0 agent taught participants; volunteer: zero participants

- Conducted diagnostic site visits and one-on-one discussions involving small farm recommendations on disease and insect detection, best management practices (BMP) to protect water quality
- Assisted owners and producers with goals related to crop production, pasture management, livestock, timber and recreational pond management
  - Provided 31 diagnostic email/phone calls valued at \$75 per consult, total savings to county residents \$2,325
  - Provided 5 diagnostic office visits valued at \$75 per consult, total savings to county resident was \$375
  - Conducted 22 pH soil tests at the local office from this agent and Office Administrator I, which saved county residents \$66. Each client also received an email/phone call with analysis and best management practices (BMP) for optimal plant growth and production. A reasonable cost for a personal consultation in the private sector would be \$25 per person for a savings of \$175; total savings \$616
  - Attended Northeast Florida Livestock Agents Group (NFLAG) Meeting

#### State Initiative 7; Focus 1: 4-H Youth Development Agriculture – total 0 youth

#### Total ROI: \$3,316 for Initiative 1

#### The total ROI for this agent and volunteers in February for all program areas was \$22,733.83

\*\*\*Volunteer time is valued at \$24.69/hr according to 2018 Florida data from the Independent Sector.

#### Other Events:

- Attended monthly staff meeting
- Created UF/IFAS Nassau County Extension Instagram Account

### II. Number of Publications, original or adapted educational materials prepared:

#### Jordi: Total – 101,000 (excluding PSA's)

- "Garden Talk" Fernandina Beach News Leader (2X), Westside Journal, AmelialslandLiving.com Total: 61,000
- "Spotlight on Nassau Gardens"/Ruth Carden Fernandina Beach News Leader, Nassau County Record Total: 14,000
- Rose Class photos Fernandina Beach News Leader, Westside Journal, Nassau County Record Total: 26,000
- UF/IFAS Blog 217; Pinterest 20,049; Facebook 109; Blog program announcements: 17,470

#### Total PSA's published: 2,929,736

#### McAlpine: Total – 10,305 (excluding PSA's)

- Newspaper article "New Medicare App" published in the Fernandina Beach Newsleader. Total: 10,000
- Wrote and published 2 UF/IFAS blog articles: New Medicare App, Juice Fasts and Cleansers. Total: 165 views

• Wrote and posted 2 articles: New Medicare App, Juice Fasts and Cleansers on FCS Facebook. Total: 140 views

#### Total PSA's published: 40,000

#### Poppell: Total: 40,335 (excluding PSAs)

- Developed the Friday Flyer (2 issues), **Total: 335**
- Edited "4-H'er of the Month Joan", Westside Journal: 12,000, Nassau County Record: 4,000, Total: 16,000
- Edited "Mad Scientist Fun Shop", Westside Journal: 12,000, Total: 12,000
- Edited "Buggin' Out Shoe Drive", Westside Journal: 12,000, Total: 12,000
- Updated "So What Exactly is County Events?" for Nassau County Extension blog, Total: 629 views
- Wrote "County Events Series: Let's Talk Speeches" for Nassau County Extension blog, Total: 89 views

#### Total PSA's published: zero

#### Irvine: Total 390 (excluding PSAs)

- Co-wrote "February 4-H'er of the Month: Katie Gates" for the UF/IFAS Blog, Total:160
- Published "County Events Series: Photography & Graphic Design" for the UF/IFAS blog, Total:104
- Published "What are Life skills?" for the UF/IFAS blog, Total: 126

#### Total PSA's published: zero

#### Dacey:

- Developed "Birds of Sweetwater Wetlands" Powerpoint, 30 slides, Total: 9
- Developed "Living Shorelines & CORE modules" worksheet for living shorelines hands-on workshop, Total:
   47
- Developed "Gopher Tortoises of Amelia Island" hand out Total: 33
- Developed "Invasives Species on Amelia Island" Powerpoint, 54 slides Total: 57
- Wrote "Tortoises, terrapins and sea turtles" UF/IFAS blog post, Total: 128
- Wrote "Invader Raiders: Water Hyacinth" UF/IFAS blog post, Total: 121
- Wrote "A Day Birding at Sweetwater Wetlands Park" FMNP Spring Newsletter Total: 8,000
- Wrote "Join the Florida Horseshoe Crab Watch in Northeast Florida" FMNP Spring Newsletter Total: 8,000
- Created flyer: Horseshoe Crab Watch Volunteer Training, Hike with a Naturalist, Oyster Gardening, Weed Wrangle, **Total: 328**
- Wrote "Weed Wrangle" article, Fernandina Beach News leader Total: 30,000
- Total PSA's published: 79,994

#### III. Key Productivity Indicators Totals for Month:

Number of educational contacts by phone, mail, newsletter, groups, or personal consultation:

Educator	Number of	Number of	Mail and	Phone calls	Walk in	Site	Media	Blogs/ Social
	groups	participants	e-mail		visits	visits	contacts	media
Jordi	13	619	3/65	40	25	10	101,000	217/20,158
McAlpine	25	371	2/13	14	0	0	10,305	165/140
Poppell	14	624	0/24	9	4	1	52,613	718/1,586
Irvine	15	2,480	0/45	25	1	0	0	390/0
Dacey	4	160	41	18	9	16	46,427	249/79,618
Total:	71	4,254	5/188	106	39	27	210,345	19,686
*ROI								\$76,190*

\*Calculation of economic value of instructional hours of extension programs using the median hourly wage for a Professor – Science is \$50, as of April 26, 2016. In addition the value of diagnostics visits, soil analysis, Continuing Educational Units (CEU), volunteer hours, grants, and Medicare savings are also included.

IV. Projected	(2-mont	h) out-of-county travel, all at no cost to county except use of county vehicles:
Jordi:		
March	None	
April	5	Advanced Botany Training – Duval County Extension
	30	Advanced Stone Fruit training – Citra, FL
McAlpine		
March	28	Clay County Extension – Fair Judging
April	None	
Poppell		
March	13	Camp Planning Meeting, Duval County Extension
	15	Canning Center Field Trip, Duval County Extension
April	4	4-H Day at the Capitol, Tallahassee
	18	Counselor Training, Duval County Extension
Irvine		
March	5	Regional Envirothon
	15	New Agent Cohort, TBD
	18	Cherry Lake Advisory Meeting
April	6-7	Hippology State Contest, Gainesville
Dacey		
March	11	Building CORE modules volunteer day, St. Augustine, FL
	9-20	FMNP Coastal Shoreline Restoration, St. Augustine, FL
April	12	FMNP Conservation Science, St. Johns County, FL
	17	North Florida Livestock Agents Group meeting, Gainesville, FL