

IST Guidebook 2021

Initiative	IST Num	Title	Purpose and Objective	Start Date	End Date	Session ID	Faculty Lead	Type	Hours	Location
1	31617	Soil Health: Banking soil carbon to benefit crop and pasture production system	<p>The purpose of this IST is to train agents concerning soil carbon as a soil health indicator. Florida soils are predominantly sandy, with low clay and soil organic matter content, leading to poor water and nutrient retention for our crops and pastures. It is general knowledge that healthy soils contain adequate carbon, but it is less clear how to build and maintain soil carbon in these weathered Florida soils without breaking your back or the bank.</p> <p>The objective of this IST is to provide a combination of formal seminars, discussions, and hands-on training to address carbon in Florida soils. Topics will include: 1) carbon-based indicators of soil health, 2) biologically mediated soil fertility, and 3) management strategies for mitigating soil carbon losses. Ultimately, the agents will be able to integrate the information into their own producer education programs.</p>	2/22/2021	2/22/2021	316171	Hui-Ling Liao	Dist	7	NFREC
1	31774	Cattle Breeding, Reproduction and Genetics (Basic)	<p>Efficient beef and milk production systems are critical for the responsible use of land and water resources in Florida. Efficient production depends on the genetic make-up of animals. Propagation of efficient genetics requires the use of reproductive technologies. This IST addresses two demands of cattle producers: (1) to interpret genetic and genomic information necessary to improve</p>	10/25/2021	10/25/2021	317741	Mario Binelli	trad	8	Range Cattle Research and Education Center - Ona

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			herd genetics and (2) to understand and apply the reproductive technology options available to produce the desired genetic gains in the herd. This IST will specifically address the need to educate livestock county faculty on up-to-date concepts and applications of current genetic, genomic and reproduction technologies that are demanded by cattle producers that want to lead efficient and sustainable operations in Florida. The main objective of this IST is to take a step-wise approach to increase the expertise and competence of our agents on current and emerging technologies in beef and dairy cattle production, with special emphasis in breeding, reproduction and genetics. Topics such as cattle reproductive management, modern reproductive biotechnologies, selective breeding and genomic selection will be discussed. This IST will be presented in each of the three levels, basic, intermediate and advanced.							
1	31774	Cattle Breeding, Reproduction and Genetics (Intermediate)	Efficient beef and milk production systems are critical for the responsible use of land and water resources in Florida. Efficient production depends on the genetic make-up of animals. Propagation of efficient genetics requires the use of reproductive technologies. This IST addresses two demands of cattle producers: (1) to interpret genetic and genomic	10/26/2021	10/27/2021	317742	Mario Binelli	trad	8	Department of Animal Sciences - Gainesville

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			information necessary to improve herd genetics and (2) to understand and apply the reproductive technology options available to produce the desired genetic gains in the herd. This IST will specifically address the need to educate livestock county faculty on up-to-date concepts and applications of current genetic, genomic and reproduction technologies that are demanded by cattle producers that want to lead efficient and sustainable operations in Florida. The main objective of this IST is to take a step-wise approach to increase the expertise and competence of our agents on current and emerging technologies in beef and dairy cattle production, with special emphasis in breeding, reproduction and genetics. Topics such as cattle reproductive management, modern reproductive biotechnologies, selective breeding and genomic selection will be discussed. This IST will be presented in each of the three levels, basic, intermediate and advanced.							
1	31774	Cattle Breeding, Reproduction and Genetics (Advanced)	Efficient beef and milk production systems are critical for the responsible use of land and water resources in Florida. Efficient production depends on the genetic make-up of animals. Propagation of efficient genetics requires the use of reproductive technologies. This IST addresses two demands of cattle producers: (1) to	10/28/2021	10/28/2021	317743	Mario Binelli	trad	8	North Florida Research and Education Center - Marianna

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			interpret genetic and genomic information necessary to improve herd genetics and (2) to understand and apply the reproductive technology options available to produce the desired genetic gains in the herd. This IST will specifically address the need to educate livestock county faculty on up-to-date concepts and applications of current genetic, genomic and reproduction technologies that are demanded by cattle producers that want to lead efficient and sustainable operations in Florida. The main objective of this IST is to take a step-wise approach to increase the expertise and competence of our agents on current and emerging technologies in beef and dairy cattle production, with special emphasis in breeding, reproduction and genetics. Topics such as cattle reproductive management, modern reproductive biotechnologies, selective breeding and genomic selection will be discussed. This IST will be presented in each of the three levels, basic, intermediate and advanced.							
1	31779	Citrus Irrigation and Nutrient Management for Enhancing Production Efficiency in Florida	The objective of this in-service training is to provide training to extension agents the tools necessary for optimizing water and nutrient management on Florida's largely sandy soils where citrus is grown. This program will present new and available techniques, tools and	2/23/2021	2/23/2021	317791	Davie Kadyampakeni	dist	3	Zoom

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			initiatives for management of water and nutrient in citrus production.							
1	31793	Expanding Outreach with Entomology: Creating Educational, Engaging Youth, and Increasing Diagnostic Skills	<p>The purpose is to train County Extension Faculty how to identify, collect, and preserve insects. Agents will be taught how to properly collect diagnostic samples for submission to the Insect ID Lab and correctly pin/cure insects for display boxes that can be used for educational programs.</p> <p>The objective is to increase the County Extension Faculty's knowledge regarding insect identification of common orders and families and enable them to create display boxes to be used in their educational programs. It is important that they know how to properly collect and preserve specimens, whether they are samples collected for the Insect ID Lab or to be used as props in workshops held by the agents.</p>	7/27/2021	7/27/2021	317931	Julie B McConnell	trad	6	UF/IFAS Extension Jackson County
1	31842	Emerging Viral Disease Identification	This training will provide county extension faculty with research-based information, and strategies to support educational programs that address critical issues in diagnosing major plant viral diseases, particularly emerging/reemerging viruses, and their identification and management in citrus and vegetable crops.	6/30/2021	6/30/2021	318421	Ozgur Batuman	mixt	4	Immokalee, FL and online

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1	31876	How could modern agricultural technologies improve horticulture crops in Florida?	UF/IFAS plant breeding programs have been extensively adopted advanced breeding tools and technologies to develop new cultivars. The purpose of this in-service training is to introduce modern agricultural technologies and advanced biotechnological research in UF/IFAS Plant Breeding (https://programs.ifas.ufl.edu/plant-breeding/). This IST will provide an opportunity for training extension agents on new agricultural technologies and discuss how our recent advances in plant breeding could enhance the UF breeding programs for new cultivar development. Two new faculties recently joined the research program of artificial intelligent agriculture and phenomics will be joined for this virtual meeting. In addition, several other plant breeding faculties will share research activities and important outcomes about CRISPR gene editing and genomics-assisted breeding for the improvement of horticulture crops.	3/15/2022	3/15/2022	318761	Seonghee Lee	Dist	5	Distance Learning
1	31885	Peanut Agronomic In-Service Training	Florida is the second, sometimes third highest peanut producing state behind Georgia in the United States depending on Alabama's production. In 2018, USDA reported Florida's harvested acreage as 155,000 acres. Those acres account for much of the agronomic production in North Florida, ranging from the Panhandle	2/16/2021	2/16/2021	318851	Ethan Carter	trad	4	NFREC Quincy

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			<p>down to just south of Ocala. Extension specialists with peanut responsibilities along with the regional agents have formed a Florida Peanut Team to more directly impact faculty education and training for this crop. The purpose of this IST is continued education and training, both for veteran agents and new Extension Faculty. Whether it is a peanut corn rotation in Suwannee Valley, or a peanut cotton rotation in the Panhandle, peanut crops are a staple for agronomic farms in North Florida. Specialists will discuss how to best respond to field calls and site visits pertaining to this widely grown crop with a focus on weed, insect, disease, fertility, and variety management.</p> <p>The objective is to increase the County Extension Faculty's knowledge regarding the growth habit and physiology of this crop, as well as familiarity with the best management practices associated with its production. Faculty receive calls ranging from seed quality and variety performance, product use and rotation, and maturity sample evaluation to determine harvest a date.</p>							
1	31893	New Technology for Commercial Crop Production (IX)	The objective of this in-service training is to introduce new tools and technologies of Best Management Practices (BMPs) developed for Florida's crop production systems.	2/24/2021	2/24/2021	318931	Guodong Liu	mixt	6	Gainesville and Webinar Statewide

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			These systems will enhance the sustainability of commercial crop production and competitiveness of the agricultural industry in Florida. The training program will focus on the management of diseases and weeds, and precision agriculture for better crop production. Six Extension specialists from UC Davis and UF/IFAS will present.							
1	31897	A Day with Your Specialist from the Range Cattle REC - Nutritional Strategies to Boost Health, Reproduction, and Immunity of Beef Cattle	The purpose and objective of these ISTs is to provide county and state extension faculty with the knowledge they need to help owners and managers of grazinglands make the best management decisions. Please note that these ISTs are primarily virtual, however, tours may be possible on at least 2 of the ISTs (forages and weeds). Each faculty program at the center has provided a day to be able to learn from them; each faculty program has provided an IST on a specific day over the next 12 month period.	1/7/2021	1/7/2021	318972	Brent Sellers	Dist	3	Virtual
1	31897	A Day with Your Specialist from the Range Cattle REC - Soil Fertility and Management of Forage Crops	The purpose and objective of these ISTs is to provide county and state extension faculty with the knowledge they need to help owners and managers of grazinglands make the best management decisions. Please note that these ISTs are primarily virtual, however, tours may be possible on at least 2 of the ISTs (forages and weeds). Each faculty	2/12/2021	2/12/2021	318973	Brent Sellers	Dist	2	Virtual

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			program at the center has provided a day to be able to learn from them; each faculty program has provided an IST on a specific day over the next 12 month period.							
1	31897	A Day with Your Specialist from the Range Cattle REC - Pasture Weed Management	The purpose and objective of these ISTs is to provide county and state extension faculty with the knowledge they need to help owners and managers of grazinglands make the best management decisions. Please note that these ISTs are primarily virtual, however, tours may be possible on at least 2 of the ISTs (forages and weeds). Each faculty program at the center has provided a day to be able to learn from them; each faculty program has provided an IST on a specific day over the next 12 month period.	1/22/2021	1/22/2021	318974	Brent Sellers	Dist	5	Virtual
1	31897	A Day with Your Specialist from the Range Cattle REC - Investigating Predator Attacks on Livestock	The purpose and objective of these ISTs is to provide county and state extension faculty with the knowledge they need to help owners and managers of grazinglands make the best management decisions. Please note that these ISTs are primarily virtual, however, tours may be possible on at least 2 of the ISTs (forages and weeds). Each faculty program at the center has provided a day to be able to learn from them; each faculty program has provided an IST on a specific day over the next 12 month period.	4/28/2021	4/28/2021	318975	Brent Sellers	Dist	3	Virtual

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1	31897	A Day with Your Specialist from the Range Cattle REC -Developing a Deeper Understanding of Beef Cattle and Forage Economics	The purpose and objective of these ISTs is to provide county and state extension faculty with the knowledge they need to help owners and managers of grazinglands make the best management decisions. Please note that these ISTs are primarily virtual, however, tours may be possible on at least 2 of the ISTs (forages and weeds). Each faculty program at the center has provided a day to be able to learn from them; each faculty program has provided an IST on a specific day over the next 12 month period.	3/10/2021	3/10/2021	318976	Brent Sellers	Dist	5.5	Virtual
1	31900	Multi-State training for Cold Hardy Citrus Management -Extension and state resources regarding citrus for Extension agent	<p>Cold Hardy citrus is a blooming industry in North Florida, with over 1000 acres of Cold Hardy citrus planted in the last 5 years, a packing house in Jefferson County, and increasing request for local growers to transplant new crop. In the same time, citrus including satsuma or Meyer lemon remain some of the most popular fruiting trees for homeowners.</p> <p>Despite this recent development opportunity for local agents to learn about citrus management including regulation, transplant, irrigation pest and disease management is lacking. Our region is still free of citrus greening and it is critical that the local agents learn to recognize Asian citrus</p>	2/11/2021	2/11/2021	319001	Xavier Martini	dist	2	Online

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			psyllid to be the first responder to local infestation of this pest.							
1	31901	Off-Bottom Oyster Aquaculture: An Emergent Coastal Aquaculture Industry - Introduction to oyster farming and the industry	<p>A monumental decline in oyster landings in Apalachicola Bay, where the majority of the state’s oyster fishery is based, was reported in 2012 and has continued to present. In 2014, water column aquaculture leases for use of off-bottom oyster gear was approved by the Florida Agriculture and Consumer Agency (FDACS). With decreased supplies from the fisheries, higher dockside prices, and removal of regulatory constraints, interest in oyster aquaculture has soared with over 125 farms operating in 10 coastal counties.</p> <p>1) To introduce IFAS Extension and research faculty to the latest information on oyster aquaculture in Florida. In addition, an assessment of the current research, demonstration and extension activities being conducted by university programs and available resources will be provided.</p> <p>2) To meet and interact with IFAS research and Extension faculty collaborating on projects in support of the oyster farming industry.</p> <p>3) To facilitate an ongoing interaction among members of the Florida Sea Grant aquaculture work action group, fostering a more informed view of the</p>	9/30/2021	9/30/2021	319011	Leslie Sturmer	trad	4.5	Franklin County Extension Office, Apalachicola

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			diverse aquaculture commodities in Florida.							
1	31901	Off-Bottom Oyster Aquaculture: An Emergent Coastal Aquaculture Industry -Tour of oyster farms	<p>A monumental decline in oyster landings in Apalachicola Bay, where the majority of the state’s oyster fishery is based, was reported in 2012 and has continued to present. In 2014, water column aquaculture leases for use of off-bottom oyster gear was approved by the Florida Agriculture and Consumer Agency (FDACS). With decreased supplies from the fisheries, higher dockside prices, and removal of regulatory constraints, interest in oyster aquaculture has soared with over 125 farms operating in 10 coastal counties.</p> <p>1) To introduce IFAS Extension and research faculty to the latest information on oyster aquaculture in Florida. In addition, an assessment of the current research, demonstration and extension activities being conducted by university programs and available resources will be provided.</p> <p>2) To meet and interact with IFAS research and Extension faculty collaborating on projects in support of the oyster farming industry.</p> <p>3) To facilitate an ongoing interaction among members of the Florida Sea Grant aquaculture work action group, fostering a more informed view of the</p>	10/1/2021	10/1/2021	319012	Leslie Sturmer	trad	2.0	Alligator Harbor

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			diverse aquaculture commodities in Florida.							
1	31901	Off-Bottom Oyster Aquaculture: An Emergent Coastal Aquaculture Industry - Discussion of needs to assist industry and aquaculture work action group updates	<p>A monumental decline in oyster landings in Apalachicola Bay, where the majority of the state’s oyster fishery is based, was reported in 2012 and has continued to present. In 2014, water column aquaculture leases for use of off-bottom oyster gear was approved by the Florida Agriculture and Consumer Agency (FDACS). With decreased supplies from the fisheries, higher dockside prices, and removal of regulatory constraints, interest in oyster aquaculture has soared with over 125 farms operating in 10 coastal counties.</p> <p>1) To introduce IFAS Extension and research faculty to the latest information on oyster aquaculture in Florida. In addition, an assessment of the current research, demonstration and extension activities being conducted by university programs and available resources will be provided.</p> <p>2) To meet and interact with IFAS research and Extension faculty collaborating on projects in support of the oyster farming industry.</p> <p>3) To facilitate an ongoing interaction among members of the Florida Sea Grant aquaculture work action group, fostering a more informed view of the</p>	10/1/2021	10/1/2021	319013	Leslie Sturmer	trad	4.5	Franklin County Extension Office, Apalachicola

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			diverse aquaculture commodities in Florida.							
1	31901	Off-Bottom Oyster Aquaculture: An Emergent Coastal Aquaculture Industry - Tour of oyster hatchery and processing plant	<p>A monumental decline in oyster landings in Apalachicola Bay, where the majority of the state’s oyster fishery is based, was reported in 2012 and has continued to present. In 2014, water column aquaculture leases for use of off-bottom oyster gear was approved by the Florida Agriculture and Consumer Agency (FDACS). With decreased supplies from the fisheries, higher dockside prices, and removal of regulatory constraints, interest in oyster aquaculture has soared with over 125 farms operating in 10 coastal counties.</p> <p>1) To introduce IFAS Extension and research faculty to the latest information on oyster aquaculture in Florida. In addition, an assessment of the current research, demonstration and extension activities being conducted by university programs and available resources will be provided.</p> <p>2) To meet and interact with IFAS research and Extension faculty collaborating on projects in support of the oyster farming industry.</p> <p>3) To facilitate an ongoing interaction among members of the Florida Sea Grant aquaculture work action group, fostering a more informed view of the</p>	10/1/2021	10/1/2021	319014	Leslie Sturmer	trad	2.0	Apalachicola

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			diverse aquaculture commodities in Florida.							
1	31903	Beneath the Citrus Canopy – Weeds, Roots, and Microbes	This training will provide county extension faculty and other interested IFAS faculty and staff with science-based information on 1) weed management and identification in citrus groves, 2) the history and importance of rootstocks for Florida citrus production and methods of propagation, and 3) the benefits of a healthy soil environment for crop production.	1/13/2021	1/13/2021	319031	Ute Albrecht	dist	4	Virtual
1	31926	Introducing Statewide Pesticide Safety (CORE) Training and Exam Updates	This IST will introduce agents to pesticide safety (CORE) curriculum developed for statewide use by the Pesticide Information Office (PIO) and the Pesticide Extension Education Team (PEET). The IST will cover how to teach the curriculum and how to access and track it for statewide impacts. A pesticide exam update will also be provided and a hands-on portion where agents will have time to develop an interactive portion for their pesticide safety workshops will also be provided. The IST will be hosted in 5 locations across the state by the local PEET members and two faculty from the PIO office.	9/3/2021	9/3/2021	319261	Erin Harlow	trad	4	Columbia County Extension Office
1	31912	Using Geographic Information Systems in Extension-The ESRI Suite of Applications	This IST will introduce the basic principles of GIS and the use of the ESRI suite of applications for data collection, storage and analysis. It will specifically cover how to use the	6/25/2021	6/25/2021	319121	Tyler Pittman	trad	6	UF/IFAS NFREC-Suwannee Valley Live Oak, FL

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			<p>mobile and desktop applications from ESRI, Survey123, WebApp Builder, and Story Maps. To give a further foundation of GIS to attendees the IST will also cover basic concept, data source, help resources, and applications for using GIS in the context of extension. Ideally attendee will obtain a basic working knowledge of GIS and the ESRI applications to make them capable of collecting data for existing programs and creating basic GISs for their own extension use. Agents and specialist are already using GIS and this suite of software and have found use and adoption by other agents are limited because of lack of familiarity with the applications and GIS concepts. This IST is intended to remove that barrier and at a minimum give agents the knowledge to participate in existing extension programs that use these concepts and applications.</p>							
1	31921	Practical Beekeeping	<p>This training is for UF/IFAS County Extension Faculty that have beekeeping programs and beekeeper collaborators, who are looking to enhance their skills in the apiary, as well as, honey bee pest and disease ID, diagnosis and understanding the development of honey bee value-added products. This IST will cover honey bee basics, honey bee pests and disease diagnosis, along with an overview of the top three causes of</p>	5/12/2023	5/13/2023	319211	Amy Vu	trad	14	1881 Natural Area Drive, Gainesville, FL 32606

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			<p>honey bee decline (Varroa, queen events, and nutrition). Throughout the IST, participants will get the opportunity to meet with other agents holding bee programs around the state to discuss challenges, successes and so forth. We plan to do one day of hands-on training in the apiary and laboratory (how to dissect honey bee trachea, how to collect samples to monitor for Varroa, etc.), and a half day field trip to a commercial apiary. County Extension Faculty should feel more confident working honey bee colonies after this training.</p> <p>The objectives for this program are to 1) increase beekeeping skills for Extension agent 2) connect new Extension Agents with veteran Extension Agents with beekeeping programs</p> <p>Background: Florida has a large apiculture industry with more than 630,000 honey bee colonies in 2021 operated by nearly 5,000 beekeepers registered in the State of Florida. Many new and veteran beekeepers turn to UF/IFAS Extension to obtain practical information and skills related to this field; however, local opportunities to receive hands-on beekeeping training is limited. By increasing the knowledge and skills of agents in the apiary: identify sustainable beekeeping best management practices, confidently</p>							

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			working colonies, identifying different pests, diseases, and other stressors honey bee colonies face, and learning how to develop value-added products, agents should feel more confident to conduct their own honey bee programs in their county.							
1	31926	Introducing Statewide Pesticide Safety (CORE) Training and Exam Updates	This IST will introduce agents to pesticide safety (CORE) curriculum developed for statewide use by the Pesticide Information Office (PIO) and the Pesticide Extension Education Team (PEET). The IST will cover how to teach the curriculum and how to access and track it for statewide impacts. A pesticide exam update will also be provided and a hands-on portion where agents will have time to develop an interactive portion for their pesticide safety workshops will also be provided. The IST will be hosted in 5 locations across the state by the local PEET members and two faculty from the PIO office.	9/1/2021	9/1/2021	319262	Erin Harlow	trad	4	Jackson County Extension
1	31926	Introducing Statewide Pesticide Safety (CORE) Training and Exam Updates	This IST will introduce agents to pesticide safety (CORE) curriculum developed for statewide use by the Pesticide Information Office (PIO) and the Pesticide Extension Education Team (PEET). The IST will cover how to teach the curriculum and how to access and track it for statewide impacts. A pesticide exam update will also be provided and a hands-on portion where agents will have time to	9/22/2021	9/22/2021	319263	Erin Harlow	trad	4	Manatee County Extension Office

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			develop an interactive portion for their pesticide safety workshops will also be provided. The IST will be hosted in 5 locations across the state by the local PEET members and two faculty from the PIO office.							
1	31926	Introducing Statewide Pesticide Safety (CORE) Training and Exam Updates	This IST will introduce agents to pesticide safety (CORE) curriculum developed for statewide use by the Pesticide Information Office (PIO) and the Pesticide Extension Education Team (PEET). The IST will cover how to teach the curriculum and how to access and track it for statewide impacts. A pesticide exam update will also be provided and a hands-on portion where agents will have time to develop an interactive portion for their pesticide safety workshops will also be provided. The IST will be hosted in 5 locations across the state by the local PEET members and two faculty from the PIO office.	9/23/2021	9/23/2021	319264	Erin Harlow	trad	4	Clayton E Hutcheson Agricultural Services Center
1	31926	Introducing Statewide Pesticide Safety (CORE) Training and Exam Updates	This IST will introduce agents to pesticide safety (CORE) curriculum developed for statewide use by the Pesticide Information Office (PIO) and the Pesticide Extension Education Team (PEET). The IST will cover how to teach the curriculum and how to access and track it for statewide impacts. A pesticide exam update will also be provided and a hands-on portion where agents will have time to develop an interactive portion for	9/24/2021	9/24/2021	319265	Erin Harlow	trad	4	Orange County Extension Office

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			<p>their pesticide safety workshops will also be provided. The IST will be hosted in 5 locations across the state by the local PEET members and two faculty from the PIO office.</p>							
1	31927	Worker Protection Standard Overview and Requirements	<p>This training will serve to help extension faculty understand the basics of the Worker Protection Standard. There have been several updates and changes to WPS in the last few years and a refresher on those would be good. The intent is to give an overview of who WPS applies to, how it is implemented and where faculty can find even more information about it. The first hour will focus on background of the law and who it applies to. The second hour will focus on how to navigate the resources available for WPS and the main takeaways that a farmer might need to know. After completing this training faculty should better be able to communicate the needs of WPS to their stakeholders and even think about offering trainings of their own to help stakeholders comply with WPS.</p> <p>Overview of WPS, what is it and who needs it (10-11am)</p> <p>What resources are available for WPS and what are key exemptions and requirements (11-12 pm)</p> <p>Objectives:</p>	5/11/2021	5/11/2021	319271	Brett Bultemeier	trad	2	Jackson County Extension Office

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			<p>Familiarity with WHO must comply with WPS amongst county faculty</p> <p>Ability to direct stakeholders to relevant training resources to be in compliance</p> <p>Knowledge gain on WHAT someone must do for WPS workers</p>							
1	31927	Worker Protection Standard Overview and Requirements	<p>This training will serve to help extension faculty understand the basics of the Worker Protection Standard. There have been several updates and changes to WPS in the last few years and a refresher on those would be good. The intent is to give an overview of who WPS applies to, how it is implemented and where faculty can find even more information about it. The first hour will focus on background of the law and who it applies to. The second hour will focus on how to navigate the resources available for WPS and the main takeaways that a farmer might need to know. After completing this training faculty should better be able to communicate the needs of WPS to their stakeholders and even think about offering trainings of their own to help stakeholders comply with WPS.</p> <p>Overview of WPS, what is it and who needs it (10-11am)</p>	5/14/2021	5/14/2021	319272	Brett Bultemeier	trad	2	Columbia County Extension Office

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			<p>What resources are available for WPS and what are key exemptions and requirements (11-12 pm)</p> <p>Objectives:</p> <p>Familiarity with WHO must comply with WPS amongst county faculty</p> <p>Ability to direct stakeholders to relevant training resources to be in compliance</p> <p>Knowledge gain on WHAT someone must do for WPS workers</p>							
1	31927	Worker Protection Standard Overview and Requirements	<p>This training will serve to help extension faculty understand the basics of the Worker Protection Standard. There have been several updates and changes to WPS in the last few years and a refresher on those would be good. The intent is to give an overview of who WPS applies to, how it is implemented and where faculty can find even more information about it. The first hour will focus on background of the law and who it applies to. The second hour will focus on how to navigate the resources available for WPS and the main takeaways that a farmer might need to know. After completing this training faculty should better be able to communicate the needs of WPS to their stakeholders and even think about offering trainings of their own to help stakeholders comply with WPS.</p>	5/18/2021	5/18/2021	319273	Brett Bultemeier	trad	2	Manatee County Extension Office

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			<p>Overview of WPS, what is it and who needs it (10-11am)</p> <p>What resources are available for WPS and what are key exemptions and requirements (11-12 pm)</p> <p>Objectives:</p> <p>Familiarity with WHO must comply with WPS amongst county faculty</p> <p>Ability to direct stakeholders to relevant training resources to be in compliance</p> <p>Knowledge gain on WHAT someone must do for WPS workers</p>							
1	31927	Worker Protection Standard Overview and Requirements	<p>This training will serve to help extension faculty understand the basics of the Worker Protection Standard. There have been several updates and changes to WPS in the last few years and a refresher on those would be good. The intent is to give an overview of who WPS applies to, how it is implemented and where faculty can find even more information about it. The first hour will focus on background of the law and who it applies to. The second hour will focus on how to navigate the resources available for WPS and the main takeaways that a farmer might need to know. After completing this training faculty should better be able to communicate the needs of WPS to their stakeholders and even think</p>	5/19/2021	5/19/2021	319274	Brett Bultemeier	trad	2	Belle Glade Research Station

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Initiative	IST Num	Title	Purpose and Objective	Start Date	End Date	Session ID	Faculty Lead	Type	Hours	Location
			<p>about offering trainings of their own to help stakeholders comply with WPS.</p> <p>Overview of WPS, what is it and who needs it (10-11am)</p> <p>What resources are available for WPS and what are key exemptions and requirements (11-12 pm)</p> <p>Objectives:</p> <p>Familiarity with WHO must comply with WPS amongst county faculty</p> <p>Ability to direct stakeholders to relevant training resources to be in compliance</p> <p>Knowledge gain on WHAT someone must do for WPS workers</p>							
1	31927	Worker Protection Standard Overview and Requirements	<p>This training will serve to help extension faculty understand the basics of the Worker Protection Standard. There have been several updates and changes to WPS in the last few years and a refresher on those would be good. The intent is to give an overview of who WPS applies to, how it is implemented and where faculty can find even more information about it. The first hour will focus on background of the law and who it applies to. The second hour will focus on how to navigate the resources available for WPS and the main takeaways that a farmer might need to know. After completing this training faculty should better be able to</p>	5/20/2021	5/20/2021	319275	Brett Bultemeier	trad	2	Sumter County Extension Office, 7620 FL-471 #2, Bushnell, FL 33513

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Initiative	IST Num	Title	Purpose and Objective	Start Date	End Date	Session ID	Faculty Lead	Type	Hours	Location
			<p>communicate the needs of WPS to their stakeholders and even think about offering trainings of their own to help stakeholders comply with WPS.</p> <p>Overview of WPS, what is it and who needs it (10-11am)</p> <p>What resources are available for WPS and what are key exemptions and requirements (11-12 pm)</p> <p>Objectives:</p> <p>Familiarity with WHO must comply with WPS amongst county faculty</p> <p>Ability to direct stakeholders to relevant training resources to be in compliance</p> <p>Knowledge gain on WHAT someone must do for WPS workers</p>							
1	31940	Agronomic Updates IST	Update County extension faculty on latest production techniques and issues related to agronomic, row crops. Objectives are to 1) provide conventional updates but as pre-recorded Powerpoints to view prior to Jan 19th, and 2) use Jan 19th virtual meeting to focus on agent questions and to challenge agents to solve field scouting problems, real-time.	1/19/2021	1/19/2021	319401	David Wright	dist	6	Virtual
1	31942	IPM Academy 2021	The purpose of this in-service training is to orient UF IFAS Extension agents in	9/21/2021	9/21/2021	319421	Hugh Smith	trad	8	PSREU, Citra

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			<p>the fundamental concepts of entomology and integrated pest management to prepare them to respond to pest management problems in turf, ornamental, residential, and agricultural systems. The objectives are specifically to 1) familiarize agents with different types of arthropods, how to collect them in the field and get them identified; 2) outline the fundamentals of biological control and discuss the situations in which natural enemies can help address pest management problems in Florida; 3) describe the characteristics of insecticides, how to make decisions related to insecticide use, and where to find information on insecticides; 4) understand the diversity of arthropod pollinators in Florida and how to protect them, and 5) strengthen statewide teams of agents and specialists who work on pest problems.</p>							
1	31957	Demystifying the CEU Process	<p>The purpose of this in-service training is to provide agents with information on:</p> <p>FDACS requirements and procedures for CEU approval (specifically for online and webinars vs in-person)</p> <p>Guidance on logistics of hosting a zoom CEU meeting</p> <p>The objectives are to:</p>	2/23/2021	2/23/2021	319571	Erin Harlow	dist	1	Virtual

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			<p>1. Increase agents knowledge of how to create classes that will be approved by FDACS for CEUs by 80% as measured by a pre and post survey.</p> <p>2. Eighty percent of participants will adopt new methods and techniques when hosting online CEU training workshop as measured through pre and post survey.</p>							
1	31967	Beef and Forage IST: Tips and Tactics	<p>Annual update for county extension faculty on the latest production and management issues, tips, and techniques related to beef and forage in North Florida.</p> <p>The objectives are 1) Provide beef and forage updates that the agents need to be familiar with, along with sharing of new research topics 2) Provide a mix of slide presentations and outdoor demonstrations and discussion, to stimulate agent interest and participation.</p>	9/28/2021	9/28/2021	319671	Cheryl Mackowick	mixt	7	The morning session will be held in-person and virtually via Zoom (Jackson County Extension, Marianna), while the afternoon session will be held in-person only at NFREC, Marianna.
1	31992	What's Biting Me?	This IST is in response to county faculty requests for information on Mites, Delusory Parasitosis, Mosquitoes, and Bed Bugs.	7/21/2021	7/21/2021	319921	Faith Oi	Dist	3	Zoom
1	31995	Tea Crop Field Day (Virtual)	Tea is the most consumed beverage in the world, after water, and is revered for many qualities, including taste, stimulant effects,	5/21/2021	5/21/2021	319951	Brantlee Richter	Dist	3	Virtual

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			<p>health-promoting compounds, and cultural value. Whether green, black, oolong, white, or matcha, all true teas come from the tea plant, Camellia sinensis. Like ornamental Camellias, tea plants grow well in the sandy, low pH soils and humid climate of the southeastern U.S., and tea may represent a new crop with potential to diversify grower opportunities through both nursery and field production, and through value-added products. This virtual Tea Field Day will update you on tea production research at the University of Florida, and provide an opportunity to ask UF/IFAS researchers your questions about tea and discuss various aspects of tea production with participants from around Florida and beyond.</p>							
1	31977	<p>Alternative Seafood Products: Challenges and Opportunities for Seafood Industry - Cell-based and plant-based seafood production methods: challenges and prospective for the industry</p>	<p>This IST is designed to provide support and program development for Florida Sea Grant Agents, Family and Consumer Science Agents, FNP faculty, and other extension partners who are interested in Florida seafood by providing information on novel seafood production methods. The goal is to develop an Extension program to work with Extension educators as agents of change for consumers'</p>	8/19/2022	8/19/2022	320771	Razieh Farzad	Dist	2	Virtual

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			<p>perception of novel seafood products and production systems. Objectives:</p> <ol style="list-style-type: none"> 1. To introduce IFAS Extension and Research Faculties to the latest information on alternative seafood production systems 2. To address the questions about alternative seafood productions collected through a Qualtrics survey from UF IFAS Extension educators. 3. To provide a platform for IFAS Extension and Research Faculties to discuss and ask any questions and concerns about the cellular agriculture and plant-based protein seafood production industries. 							
1	32001	Extension Agents and Homeowners – your lychee tree and the lychee erinose mite	<p>The Lychee Erinose Mite (LEM) attacks lychee trees and may cause a loss of green-canopy and fruit production. This invasive mite spreads by wind and contaminated clothing, tools and nursery plants. Trees may become so unattractive in the landscape that home owners may want them removed. LEM is now in 11 counties and FDACS has an on-going eradication program.</p> <p>This meeting will offer Extension Agents training and homeowners with lychee trees in their home landscape information on how to identify symptoms of the LEM, whom to notify of an infestation, and steps they can take to reduce LEM infestation of their tree.</p>	6/17/2021	6/17/2021	320011	Jonathan Crane	Dist	1.5	Zoom

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Initiative	IST Num	Title	Purpose and Objective	Start Date	End Date	Session ID	Faculty Lead	Type	Hours	Location
1	32007	Improving plant health and productivity through manipulation of the root-soil environment	<p>Most soils used for the production of agricultural crops in Florida are predominantly sandy with little organic matter and a low capacity to bind nutrients. With the increase in population, it is difficult to meet the demand for sustainable food production over the coming decades without improving the soil environment and enhancing the growth and quality of food crops. This is exacerbated by diseases and other biotic and abiotic stresses constantly threatening food production. This situation provides an opportunity for UF IFAS to educate and train state faculty on emerging plant health and production strategies that focus on the manipulation of the root-soil environment. The overarching goal of this IST is to train extension faculty on current practices that focus on the root-soil environment to improve plant health and productivity. The IST will focus on sustainable management practices for common agricultural settings including row, tree, and vegetable crops.</p> <p>This IST addresses the Extension Roadmap High Priority Initiatives #1 (Increasing the sustainability, profitability, and competitiveness of agricultural and horticultural enterprises) and #3 (Enhancing and conserving Florida's natural resources and environmental quality).</p>	9/28/2021	9/28/2021	320071	Rhuanito Soranz Ferrarezi	trad	4.75	Hilton Daytona Beach Oceanfront Resort, 100 North Atlantic Avenue, Daytona Beach, FL 32118
1	32015	Machinery Series - Hay equipment	This training series has the objective of introducing basic knowledge on farm machinery and implement types, uses	9/1/2021	9/1/2021	320151	Marcelo Wallau	trad	6	Lake City

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			and calibration. This will be achieved through a series of trainings in multiple regions of the state targeting most common practices and equipment needs, and will cover aspects of land preparation, planting, maintenance of crops and pasture, hay production and more. This first training will focus on hay and haylage equipment and be held in Lake City, FL, on Sep 1st prior to the SE Hay Short Course, in partnership with Massey Ferguson (who will provide the equipment).							
1	32023	Establishment of demo plots & Machinery Series - Tillage and planting equipment	Demonstration plots are one of the most effective tools in extension for showing and engaging producers into new technology and techniques; poorly planned and established plots, however, have exactly the opposite effect. The Forage Team, for the past several years, has supplied UF-IFAS county faculty cool-season forage seeds for the establishment of local demonstration areas for field days and agent training. Success on establishment of those trials is variable, depending on the agent's experience on establishing plots/pasture and equipment availability. To enhance chances of success, we are now providing more detailed guidelines on how to plan and plant those plots. Furthermore, in continuation of the Machinery Series ISTs, we will cover "Pasture establishment machinery". This will include theoretical aspects and hands on experience with multiple tillage and planting implements. We will cover	9/29/2021	9/29/2021	320231	Marcelo Wallau	mixt	2	Qunicy - Conference room

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Initiative	IST Num	Title	Purpose and Objective	Start Date	End Date	Session ID	Faculty Lead	Type	Hours	Location
			proper mounting and operation, calibration, and maintenance.							
1	32023	Establishment of demo plots & Machinery Series - Tillage and planting equipment	Demonstration plots are one of the most effective tools in extension for showing and engaging producers into new technology and techniques; poorly planned and established plots, however, have exactly the opposite effect. The Forage Team, for the past several years, has supplied UF-IFAS county faculty cool-season forage seeds for the establishment of local demonstration areas for field days and agent training. Success on establishment of those trials is variable, depending on the agent's experience on establishing plots/pasture and equipment availability. To enhance chances of success, we are now providing more detailed guidelines on how to plan and plant those plots. Furthermore, in continuation of the Machinery Series ISTs, we will cover "Pasture establishment machinery". This will include theoretical aspects and hands on experience with multiple tillage and planting implements. We will cover proper mounting and operation, calibration, and maintenance.	9/29/2021	9/29/2021	320232	Marcelo Wallau	mixt	2	Qunicy - Field
1	32031	Beef and Forage Research Updates	The purpose of this IST is to update county extension faculty on the most recent research related to beef and forage systems. The program will focus on Central-North Florida Research programs because of the limited time. The objective is to update the extension group and also find ways to	3/24/2022	3/24/2022	320311	Jose Dubeux	trad	6	Jackson County Extension Office (2741 Penn Ave #3, Marianna, FL, 32448) and UF IFAS NFREC Marianna

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			disseminate potential new technologies in the region.							
1	32032	New Technology for Commercial Crop Production (X)	The objective of this in-service training is to introduce new tools and technologies of Best Management Practices (BMPs) developed for Florida’s crop production systems. These tools and technologies will enhance the sustainability of commercial crop production and competitiveness of the agricultural industry in Florida. The training program will focus on the management of diseases and nematodes and nutrients and precision agriculture for better crop production. Five Extension specialists from World Vegetable Center and UF/IFAS will present.	2/23/2022	2/23/2022	320321	Guodong Liu	dist	5	Zoom
1	32033	Integrated Nematode Management - INM	The purpose is to teach attendees about the importance of plant-parasitic nematodes in Florida agriculture and how to best manage them. Objectives are (1) to train attendees about currently available nematode management practices with a focus on more sustainable and environmentally friendly options, and (2) to teach agents how to set up heir own nematode experiments. The training will cover a broad range and diversity of nematode management topics. The focus is on integrated nematode management practices, including the use of chemical and biological control, resistant crop cultivars, cover crops, soil amendments, sanitation, field	6/29/2022	6/29/2022	320331	Johan Desaeager	dist	3	Zoom

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			design and other cultural practices. The training will cover both commercial agriculture as well as small gardeners, and different crops and cropping systems. The class also aims to anticipate future changes in nematode management in response to disease pressure that might develop as a result of climate change, and/or as a result of new cropping systems and practices.							
1	32034	Developing a Honey Beekeeping Extension Program in Your County	This IST will introduce County Extension Faculty to introductory beekeeping extension programs and help them start connecting with commercial beekeepers in their counties. This IST will cover beekeeping basics, pests and diseases and will connect agents to beekeeping resources (print and digital). Agent swill have an opportunity to connect with faculty and staff in Florida who can help support their beekeeping programs. Participants will be introduced to different styles of beekeeping programs that are currently being used in Florida counties and will get an in depth look at one "pre-packaged" program that they can use and adapt to their own county's needs. Throughout the IST, participants will have the opportunity to meet with other agents holding bee programs around the state to discuss challenges, successes and so forth. Agents will also get a chance to try out some of the beekeeping practices that will likely be covered in any beginner beekeeping program. There will be hands-on training in the apiary.	4/25/2022	4/26/2022	320341	Jamie Ellis	trad	12	1881 Natural Area Drive, Gainesville, FL 32606

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1	32035	Agronomy update for row crops	Update county extension faculty on the latest in production techniques, commodity updates, and issues related to agronomic row crops.	1/19/2022	1/19/2022	320351	David Wright	mixt	7	NFREC, Quincy, FL
1	32036	Orchard and Vineyard Management: A Practical Workshop on Training and Pruning Tree Fruit and Grape	<p>Training and pruning is a management strategy that can be applied especially in tree fruit and grape to help restructure the canopy, direct the trees resources into fruit production, and improve efficiency of field work. Keeping the canopy size more compact will allow harvesting from ground level and reduce the need for using ladders and can improve picking efficiency. The amount of pruning required in winter would be greatly reduced, and trees pruned in dormancy take longer to heal from cuts made, compared with actively growing shoots. Another practice of training and pruning is to ensure the center of the tree and vine is receiving adequate light distribution, which will allow more fruiting wood to develop lower and in an area that usually becomes less productive year by year due to increased shading. Increasing the airflow through the canopy can also improve the penetration of foliar sprays and lessen the spread and severity of foliar diseases.</p> <p>Differentiation of buds has been found improved by summer pruning, leading to more uniform shoot sprouting and higher-quality flower buds.</p> <p>Maintaining a healthy tree and vine canopy during growing season by right spraying and fertilizer programs will maximize photosynthesis thus improving fruit quality and yield. We</p>	2/1/2022	2/1/2022	320361	Ali Sarkhosh	trad	3	Plant Science Research and Education Unit (PSREU)

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			<p>are going to help the trees to build the carbohydrate reserves for the next season by keeping the leaves on the tree until the end of November. Carbohydrate is stored in the roots, trunks, limbs, and buds within the tree helping the tree to be in good condition going into the winter and next season.</p> <p>This IST will provide attendees with information about training and pruning of tree fruit such as peach, persimmon, pomegranate, grape (both common grape and muscadine).</p>							
1	32044	Breeding Lettuce for Production and Healthy Qualities in Florida	<p>This IST addresses Initiative 1 “Increasing the sustainability, profitability, and competitiveness of agricultural and horticultural enterprises” and Initiative 5 “Empowering individuals and families to build healthy lives and achieve social and economic success” of the extension roadmap. This IST will provide information about the current situation of lettuce for production in the field as well as inside protected structures. Attendees will be presented with an overview of the future goals of the UF/IFAS Lettuce Breeding Program.</p>	1/27/2022	1/28/2022	320441	German Sandoya-Miranda	dist	4	Online
1	32048	How to Market in a Digital Era	<p>This IST will train extension agents how to facilitate educating their community on how to market in a digital era and walk them through how to use the 2022 Marketing Manual that our team is creating as a helpful tool. The marketing manual was written to help remove the mystery of navigating different marketing</p>	4/8/2022	4/8/2022	320481	Trent Blare	dist	2	Zoom

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			<p>channels to select a combination that is appropriate for each business. Additionally, this resource provides a general guide on how to utilize marketing; it also provides a general overview of the different distribution channels, and resources that are helpful in this process. This manual will guide in creating a marketing plan and implementing the strategies chosen. Additionally, we will provide some advice on how to evaluate the effectiveness of a marketing program in reaching a targeted customer base and how to adjust as needed. This marketing plan is meant to be a supplement to a business plan, which includes the overall strategies for your agricultural or food enterprise.</p> <p>Objectives for the IST: After completion of this IST agents will be able to</p> <ul style="list-style-type: none"> • facilitate delivering a marketing workshop on marketing your farm in a digital age • download and adapt resources for conducting a marketing in a digital age program • evaluate the effectiveness of a marketing in a digital age program 							
1	32057	Machinery Series - Safety, Precision ag, Tillage and planting equipment	This training series has the objective of introducing basic knowledge on farm machinery and implement types, uses and calibration to agents. Besides getting familiarized with multiple farming equipment, the goal is for agents to be able to better assist farmers on defining and describing agricultural practices. This will be achieved through a series of training in	1/24/2022	1/24/2022	320571	Marcelo Wallau	trad	7	PSREU - Citra

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			multiple regions of the state targeting most common practices and equipment needs and will cover aspects of land preparation, planting, maintenance of crops and pasture, hay production, and more. In this third encounter, we will cover basic notions of tractor functioning, tillage and planting equipment, safety and precision agriculture - simple technologies for direct farm use.							
1	32058	2022 Peanut Agronomic Series In-Service Training	To educate agriculture agents in North Florida who have peanut responsibilities, this crop encompasses more row crop acreage than any other field crop in North Florida and it is important for agents to know how to help clientele to manage it. This IST is a collaboration between the NW District RSA (Ethan Carter), NE District RSA (De Broughton), and UF's Peanut Breeder (Barry Tillman). The January 25th training will be indoors and lecture based (early season focus-fertility, seed, pre/post herbicides, etc.) taking place at NFREC Suwannee Valley and our summer field training will be the afternoon of August 11th at NFREC Marianna (late season info-disease ID, late season sprays, maturity, harvest decisions, etc.).	1/25/2022	1/25/2022	320581	Ethan Carter	trad	5.5	NFREC Suwannee Valley
1	32058	2022 Peanut Agronomic Series In-Service Training	To educate agriculture agents in North Florida who have peanut responsibilities, this crop encompasses more row crop acreage than any other field crop in North Florida and it is important for agents to know how to help clientele to manage it. This IST is a collaboration between the NW	8/11/2022	8/11/2022	320582	Ethan Carter	trad	3.5	NFREC Marianna

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			District RSA (Ethan Carter), NE District RSA (De Broughton), and UF's Peanut Breeder (Barry Tillman). The January 25th training will be indoors and lecture based (early season focus-fertility, seed, pre/post herbicides, etc.) taking place at NFREC Suwannee Valley and our summer field training will be the afternoon of August 11th at NFREC Marianna (late season info-disease ID, late season sprays, maturity, harvest decisions, etc.).							
1	32068	Plant This, Not That: Recommending Alternatives to Commercially Available Invasive Plants	<p>This IST will directly support UF/IFAS Road Map Initiative 1: Increasing the sustainability, profitability, and competitiveness of agricultural and horticultural enterprises and Initiative 3: Enhancing and conserving Florida's natural resources and environmental quality: Informed Community Decision Making, Environmental Literacy and Stewardship.</p> <p>More specifically, many within UF/IFAS are educating on Florida-Friendly Landscaping plants, however, UF/IFAS has created many cultivars of invasive species, making it difficult for agents to discern what to recommend to stakeholders. This IST will provide insight into those plants and facilitate collaboration with Dr. Sandra Wilson, Professor of Environmental Horticulture, an expert on cultivars. Here, we will teach participants which plants are approved by FDACS and recommended by IFAS. It will correlate to the new resource available at the UF/IFAS Bookstore: Plant This Not That: A Guide to Avoiding Invasive Plant Species in Florida</p>	5/16/2022	5/16/2022	320681	Tina McIntyre	dist	2	Zoom

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			<p>https://bit.ly/AvoidInvasive. Detail will be provided to specific invasive species that also have approved UF/IFAS cultivars, such as Nandina domestica, Lantana camara and Ruellia simplex. Florida Friendly and native alternatives to each invasive species will also be covered, along with commercial availability. Participants that pre-register prior to May 1st, 2022 and complete the pre-test and post-test will receive a FREE shipped copy of the book, Plant This Not That: A Guide to Avoiding Invasive Plant Species in Florida after the training. https://bit.ly/AvoidInvasive</p>							
1	32072	ANR-AIEET in-service training module 1	<p>The purpose of this IST is to introduce the ANR-AIEET team to the latest cutting-edge AI technologies and applications in ANR. The presentations and discussions will be with virtual meeting format using Zoom. A second in-person IST will be scheduled later in 2022, with emphasis on practical hands-on demonstrations. Objectives: 1) Learn the basics of AI applications/technology, in order to develop educational trainings and programs to train other county faculty, and conduct AI programs for our stakeholders.</p>	2/28/2022	2/28/2022	320721	Arnold Schumann	dist	3	virtual webinar
1	32076	Identification and Management of Row Crop and Vegetable Diseases	<p>In order for producers to make rapid management decisions, they need rapid diagnoses. The purpose of this training is to help develop the plant health diagnostic capabilities of UF/IFAS Extension agents. Agents that are able to make accurate and rapid plant management decisions have the</p>	6/24/2022	6/24/2022	320761	Kevin Korus	Trad	6	UF/IFAS Plant Diagnostic Center

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			<p>ability to record large impacts for their producers.</p> <p>The objectives for this class are to provide hands-on, plant disease diagnostic training, including microscopy and basic culturing techniques. Diseased plants will be provided for attendees to diagnose. These will be a mix of vegetable and other agronomic crops.</p>							
1	32087	Regional SARE Forage Training	<p>In a multi-state collaborative effort, we will be having a forages training on April 11 and 12 at the Alabama 4-H Center in Columbiana, AL. Our target audience for this opportunity is Extension agents and Specialists, USDA-NRCS agents, other agriculture agencies educators, and selected farmer cooperators. This initiative will provide educators with practical forage management skills for their community and contribute to enhanced productivity, environmental sustainability, resilience, and profitability in agricultural livestock production systems in the region. Besides, this will be a great opportunity to network and meet peers across the region.</p> <p>The training will include delivery of coursework in the classroom but will rely heavily on a hands-on approach (see draft agenda attached). Topics to be covered include:</p> <ul style="list-style-type: none"> • Forage Crop Production: forage establishment and management, nutrient management • Forage and Animal Interaction: forage/supplementation, plant 	4/11/2022	4/12/2022	320871	Leanne Dillard - Marcelo Wallau	trad	10	4-H center at Columbiana, AL

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			genetics, grazing management, forage quality • Farm Business Management: budgeting, marketing management • Soil Management: soil quality/health, soil fertility • Livestock production systems: horses, small ruminants, beef cattle							
1	32097	Hemp Cultivation and Management	Purpose: 1) Deliver educational content to county faculty and state specialists interested in joining the Industrial Hemp Outreach Program. 2) Develop programming strategy for expanded state-wide group. Objectives: 1) In preparation for the training, 50% of core hemp Extension team members will increase participation and productivity by contributing to training materials and presentation. 2) Following the training, 100% of participants will be able to distinguish hemp and marijuana both legally and botanically as measured by a post event survey. 75% will be able to distinguish fiber, grain, and flower crop types. 4) Following the training, 75% of participants will have reported to have had a submitted question addressed with gained knowledge during the training. 3) One year after the training, 50% of participants will report a farmer adopting best practices for fertilizer management in hemp plantings as	4/4/2022	4/5/2022	320971	Zack Brym	trad	8	MREC-Apopka

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			measured by participant follow-up surveys.							
1	32104	Working with Clients to Measure Water Savings and Nutrient Load Reductions Associated with their BMP Implementation	Specialty crops in Florida are grown in regions dominated by sandy soils and where nutrient leaching and excessive deep percolation of water are common. A lot of pressure is placed on environmental stewardship to ensure commercial growers use best management practices to conserve water and nutrients and minimize environmental degradation. The overall goal of this IST is to train extension faculty on how to implement BMPs in specialty crop systems of Florida including row, tree and vegetable crops. This IST addresses the Extension Roadmap High Priority Initiatives #1-Increasing the sustainability, profitability, and competitiveness of agricultural and horticultural enterprises, #2-Enhancing and protecting water quality, quantity and supply, and #3-Enhancing and conserving Florida's natural resources and environmental quality.	6/7/2022	6/7/2022	321041	Davie Kadyampakeni	trad	4	Hyatt Regency in Sarasota, Florida
1	32105	New Research Findings for Commercial Blackberry Production in Florida	The objective of this in-service training program is to introduce new varieties, tools, and technologies for Florida's blackberry production systems. These tools and technologies will enhance commercial blackberry production and competitiveness of the agricultural industry in Florida. The training program will focus on (1) introducing new blackberry varieties and chilling strategies, (2) managing diseases, nematodes, insects, weeds, and	5/9/2022	5/9/2022	321051	Zhanao Deng	dist	3.5	Zoom

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Initiative	IST Num	Title	Purpose and Objective	Start Date	End Date	Session ID	Faculty Lead	Type	Hours	Location
			nutrients, and (3) developing market for commercial blackberry production. Eight speakers from UF/IFAS will share their expertise.							
1	32107	Fire Ants and Nuisance Ants Pests of the Southeastern U.S.	<p>Everyone hates fire ants! Since their introduction into the US in the 1950s, fire ants have been pests of humans and livestock. And yet, few of us know anything about how to control them. On April 21, 2022, several of the world's most knowledgeable fire ant specialists will provide information on the biology and management of fire ants and several other nuisance ant pests.</p> <p>The webinar is free and open to anyone who needs to control fire ants. County agents in GA, FL, AL, NC, and SC can register and view the webinar for personal in-service training. They can also host a webinar viewing for those individuals in their county who would like to receive State CEUs (SC and NC only). Licensees in NC and SC can only claim the credit if they view the webinar at their local county extension agent's office. State CEU credit is NOT granted in GA, FL, or AL. Or, if credit is not needed, any person in ANY state can view the webinar from any location and on most devices. Other than county extension agents, parties interested include:</p> <ul style="list-style-type: none"> • The equine community. • Cattle and livestock communities. • Pastures and turfgrass. • Hay producers. • Parks and recreation. 	4/21/2022	4/21/2022	321071	Faith Oi	Dist	3	Zoom

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Initiative	IST Num	Title	Purpose and Objective	Start Date	End Date	Session ID	Faculty Lead	Type	Hours	Location
			<ul style="list-style-type: none"> Schools. Various outdoor recreational entities with a need to control fire ants. 							
1	32112	Teaching Agricultural Safety for Youth	<p>Agriculture is one of the most dangerous industries in the US. Children are legally allowed and often expected to actively engage in agricultural worksites. Approximately 10 children visit U.S. emergency rooms with agricultural injuries every day. Furthermore, a child dies every 3 days in an agriculture-related incident. The purpose of this training is to provide resources and information for teaching agricultural safety to children/youth.</p> <p>After completion of the training participants will:</p> <ul style="list-style-type: none"> Describe common hazards for youth in agriculture Identify agricultural safety and health resources Learn how to plan a youth safety day Locate resources for integrating safety for agrotourism and agricultural work guidelines for children 	3/31/2023	3/31/2023	321121	Serap Gorucu	dist	2	Zoom
1	32115	Mushroom Identification and Production IST	<p>This two part IST will prepare agents to answer community questions regarding mushroom identification, provide guidance to volunteers on handling mushroom inquiries, provide resources to commercial and amateur mushroom producers.</p> <p>Day 1: Agents will learn mushroom identification in two settings.</p>	6/16/2022	6/16/2022	321151	Alyssa Vinson	Trad	6	Gainesville, Florida

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Initiative	IST Num	Title	Purpose and Objective	Start Date	End Date	Session ID	Faculty Lead	Type	Hours	Location
			<p>Primarily, the group will explore a natural area and participate in a field identification practice and examine the contexts of mushroom growth in natural environments. The second part of this IST will teach agents how to utilize microscopes to carry out mushroom identification in the Gainesville Mycology lab. The two facets of this program are designed to help agents better identify mushrooms in their natural environments to support master gardener volunteers, plant desks, horticulture, and natural resource agents. Agents will be given the opportunity to meet research staff. This is part one of a two-part series designed to improve agents' mushroom knowledge and provide resources for mushroom program development.</p> <p>Day 2: This day will focus on the aspects of a small farm mushroom production operation. Agents will tour a small farm and see the lab, grow-bag and spawn preparation, grow rooms, harvest, processing and packaging. The agents will be given the opportunity to learn about the needs of local small farms to better tailor local programs. The program development discussion will cover:</p> <ul style="list-style-type: none"> -small farm mushroom production -small mushroom farm business, marketing, and economics, -woodland and mushroom gardening <p>Agents will have the opportunity to maintain contact with the IST cohort to share resources and grow individual</p>							

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Initiative	IST Num	Title	Purpose and Objective	Start Date	End Date	Session ID	Faculty Lead	Type	Hours	Location
			and collaborative programs throughout the state.							
1	32115	Mushroom Identification and Production IST	<p>This two part IST will prepare agents to answer community questions regarding mushroom identification, provide guidance to volunteers on handling mushroom inquiries, provide resources to commercial and amateur mushroom producers.</p> <p>Day 1: Agents will learn mushroom identification in two settings. Primarily, the group will explore a natural area and participate in a field identification practice and examine the contexts of mushroom growth in natural environments. The second part of this IST will teach agents how to utilize microscopes to carry out mushroom identification in the Gainesville Mycology lab. The two facets of this program are designed to help agents better identify mushrooms in their natural environments to support master gardener volunteers, plant desks, horticulture, and natural resource agents. Agents will be given the opportunity to meet research staff. This is part one of a two-part series designed to improve agents' mushroom knowledge and provide resources for mushroom program development.</p> <p>Day 2: This day will focus on the aspects of a small farm mushroom production operation. Agents will tour a small farm and see the lab, grow-bag and spawn preparation, grow rooms, harvest, processing and packaging. The agents will be given the opportunity to learn about the needs</p>	6/21/2022	6/21/2022	321152	Alyssa Vinson	Trad	6	Naples, Florida

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Initiative	IST Num	Title	Purpose and Objective	Start Date	End Date	Session ID	Faculty Lead	Type	Hours	Location
			of local small farms to better tailor local programs. The program development discussion will cover: -small farm mushroom production -small mushroom farm business, marketing, and economics, -woodland and mushroom gardening Agents will have the opportunity to maintain contact with the IST cohort to share resources and grow individual and collaborative programs throughout the state.							
1	32131	Citrus in the Home Landscape	The purpose of this in-service is to provide an orientation to growing citrus in the home landscape. The objective is to increase awareness and knowledge about techniques to successfully grow citrus in the Florida home setting in an HLB-era.	6/28/2022	6/28/2022	321311	Lauren Diepenbrock	trad	5	UF/IFAS Citrus Research and Education Center, Lake Alfred, Florida
1	32137	Meat Cuts and Marketing of Small Ruminant Products in Florida	County agents play a crucial role in the UF/IFAS Extension system by promoting, exposing and teaching animal care and production of animal products to local communities. Being able to incorporate all the different levels of animal production and marketing of animal products in their programs, allow county agents to increase producer's knowledge on how to best market animal products. This proposal seeks to target county agents to increase their knowledge and skills in small ruminants' meat cuts and marketing of meat products in the state of Florida. This training would expose county agents to a demonstration of meat cuts and marketing of small ruminant products in Florida, increasing agent's	9/16/2022	9/16/2022	321371	Izabella Toledo	trad	1.5	Department of Animal Sciences-Gainesville, FL

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Initiative	IST Num	Title	Purpose and Objective	Start Date	End Date	Session ID	Faculty Lead	Type	Hours	Location
			knowledge on those topics and allowing them to share their knowledge with small ruminant producers.							
1	32138	Tropical Agriculture	1) Share unique aspects of tropical agriculture in south Florida with statewide county faculty and state specialists. 2) Deliver educational content related to fruit, vegetable, industrial and ornamental cultivation in south Florida. 3) Encourage statewide collaborative opportunities incorporating aspects of tropical agriculture.	8/23/2022	8/24/2022	321381	Zachary Brym	trad	10.5	UF/IFAS TREC
1	32139	Weed Identification and Management on Agronomic Crops: In-Service Training	The purpose is to train County Extension Faculty on how to identify problematic weeds and provide information on the control strategies. Agents will be demonstrated what key features should be considered for weed identification and what herbicide combinations or cultural techniques work for controlling weeds. The agents will be able to walk through the weed science research plots and evaluate treatments for weed control. The overall objective is to increase the County Extension Faculty's knowledge regarding weed identification and their management which can be useful for their extension programs. It is important that they accurately identify weeds and recommend control strategies to the producers.	9/7/2022	9/7/2022	321391	Pratap Devkota	Dist	2	Online
1	32142	Collection and analysis of drone image data using open-source hardware and software	In this IST, we propose to:	1/18/2023	1/18/2023	321421	Aditya Singh	trad	8	MREC Apopka

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Initiative	IST Num	Title	Purpose and Objective	Start Date	End Date	Session ID	Faculty Lead	Type	Hours	Location
			<p>Familiarize agents and specialists with the hardware and operating system of FOSS drones.</p> <p>Provide hands-on training in programming and flying these UASs for typical image data collection missions.</p> <p>Provide hands-on training for processing imagery into orthorectified maps, and analyzing imagery to generate typical data products such as NDVI etc.</p>							
1	32150	Cattle Breeding, Reproduction and Genetics (intermediate level)	<p>Efficient beef and milk production systems are critical for the responsible use of land and water resources in Florida. Efficient production depends on the genetic make-up of animals. Propagation of efficient genetics requires the use of reproductive technologies. This IST addresses two demands of cattle producers: (1) to interpret genetic and genomic information necessary to improve herd genetics and (2) to understand and apply the reproductive technology options available to produce the desired genetic gains in the herd. This IST will specifically address the need to educate livestock county faculty on up-to-date concepts and applications of current genetic, genomic and reproduction technologies that are demanded by cattle producers that want to lead efficient and sustainable operations in Florida. The main objective of this IST is to take a step-wise approach to increase the expertise and competence of our</p>	10/31/2022	10/31/2022	321501	Mario Binelli	trad	8	Ona

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Initiative	IST Num	Title	Purpose and Objective	Start Date	End Date	Session ID	Faculty Lead	Type	Hours	Location
			agents on current and emerging technologies in beef and dairy cattle production, with special emphasis in breeding, reproduction and genetics. Topics such as cattle reproductive management, modern reproductive biotechnologies, selective breeding and genomic selection will be discussed. This IST will be presented in each of the three levels, basic, intermediate and advanced.							
1	32150	Cattle Breeding, Reproduction and Genetics (Advanced level)	Efficient beef and milk production systems are critical for the responsible use of land and water resources in Florida. Efficient production depends on the genetic make-up of animals. Propagation of efficient genetics requires the use of reproductive technologies. This IST addresses two demands of cattle producers: (1) to interpret genetic and genomic information necessary to improve herd genetics and (2) to understand and apply the reproductive technology options available to produce the desired genetic gains in the herd. This IST will specifically address the need to educate livestock county faculty on up-to-date concepts and applications of current genetic, genomic and reproduction technologies that are demanded by cattle producers that want to lead efficient and sustainable operations in Florida. The main objective of this IST is to take a step-wise approach to increase the expertise and competence of our agents on current and emerging technologies in beef and dairy cattle production, with special emphasis in	11/9/2022	11/9/2022	321502	Mario Binelli	trad	8	Gainesville

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Initiative	IST Num	Title	Purpose and Objective	Start Date	End Date	Session ID	Faculty Lead	Type	Hours	Location
			breeding, reproduction and genetics. Topics such as cattle reproductive management, modern reproductive biotechnologies, selective breeding and genomic selection will be discussed. This IST will be presented in each of the three levels, basic, intermediate and advanced.							
1	32150	Cattle Breeding, Reproduction and Genetics (Basic level)	Efficient beef and milk production systems are critical for the responsible use of land and water resources in Florida. Efficient production depends on the genetic make-up of animals. Propagation of efficient genetics requires the use of reproductive technologies. This IST addresses two demands of cattle producers: (1) to interpret genetic and genomic information necessary to improve herd genetics and (2) to understand and apply the reproductive technology options available to produce the desired genetic gains in the herd. This IST will specifically address the need to educate livestock county faculty on up-to-date concepts and applications of current genetic, genomic and reproduction technologies that are demanded by cattle producers that want to lead efficient and sustainable operations in Florida. The main objective of this IST is to take a step-wise approach to increase the expertise and competence of our agents on current and emerging technologies in beef and dairy cattle production, with special emphasis in breeding, reproduction and genetics. Topics such as cattle reproductive management, modern reproductive	11/14/2022	11/14/2022	321503	Mario Binelli	trad	8	Marianna

IST Guidebook 2021

Initiative	IST Num	Title	Purpose and Objective	Start Date	End Date	Session ID	Faculty Lead	Type	Hours	Location
			<p>biotechnologies, selective breeding and genomic selection will be discussed. This IST will be presented in each of the three levels, basic, intermediate and advanced.</p>							
1	32153	<p>Individual Protective Covers (IPCs) for citrus trees. The Do's and Don'ts</p>	<p>This IST addresses at least one super issue from the 2013-2023 UF-IFAS Extension Roadmap, #2 “The sustainability and conservation of resources in our Florida communities”, and one high priority initiative, #1, Increasing the sustainability, profitability, and competitiveness of agricultural and horticultural enterprises. Individual Protective Covers (IPCs) are being increasingly adopted by growers in Florida to prevent psyllid infestation and HLB transmission in newly planted citrus trees. At the same time, many homeowners planting trees in the backyard are asking where to find and how to install IPCs. There is a need to educate extension agents and master gardeners on best practices with IPC installation and maintenance. These include selecting the right materials (the right IPC), the timing of the installation, how to install them, and understanding citrus varietal differences because not all varieties perform equally with IPCs.</p> <p>In this IST we will:</p> <ul style="list-style-type: none"> -Show how to select, install, and maintain IPCs properly. 	4/5/2023	4/5/2023	321531	Fernando Alferez	trad	6.5	SWFREC IMMOKALEE

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Initiative	IST Num	Title	Purpose and Objective	Start Date	End Date	Session ID	Faculty Lead	Type	Hours	Location
			<p>-Discuss citrus varietal differences when grown with IPC. We will show which varieties work best under IPCs, and which do not.</p> <p>-Explain tree physiology and fruit set characteristics in trees with IPCs. We will also discuss fruit quality.</p> <p>-Identify insect pests under IPCs and compare pests with and without IPCs. We will discuss management strategies.</p> <p>-Identify diseases and discuss disease incidence and management strategies in trees under IPCs.</p> <p>-Compare IPCs with other protective structures, such as CUPS and shade nettings, and discuss their benefits.</p> <p>Most of these objectives will have a hands-on component, as they will be carried out at the SWFREC experimental farm, where IPCs are regularly installed and tested.</p> <p>We will conduct IST evaluation with an appropriate survey at the time of the IST for knowledge gain and then do another follow-up survey after an appropriate time to evaluate how agents are using their new knowledge and skills to educate clients including MG volunteers.</p>							
1	32155	Emerging viral diseases of citrus and management of their insect vectors	This training will provide attendees with research-based information and knowledge to identify major citrus	3/28/2023	3/28/2023	321551	Ozgur Batuman	mixt	4	SWFREC, Immokalee

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Initiative	IST Num	Title	Purpose and Objective	Start Date	End Date	Session ID	Faculty Lead	Type	Hours	Location
			viral disease symptoms, particularly emerging/reemerging viruses and their management in citrus. Because insects often vector these viruses, accompanying training on vector identification and control will also be provided.							
1	32160	Beef and Forages Research Updates	<p>This will be the Second year of the Beef and Forages Research Updates IST. The agents requested this IST during the 2021 Northwest district meeting. The main goal of this IST is to bring our agents closer to our research programs. Therefore, this activity will give our agents a unique opportunity to learn about our research and our faculty to count on the agents' perspectives.</p> <p>This IST will last two days. State specialists will conduct oral presentations on the first day. Next, for the first time, we will have a poster session where our graduate students will have the opportunity to present their data to the agents. We hope this unique opportunity will bring our students closer to extension and, at the same time, help the agents understand in deep the current research conducted by our faculty. At the end of the day, we are hosting a social event to promote integration among state specialists, agents, and graduate students.</p>	3/29/2023	3/30/2023	321601	Angela Gonella	mixt	7	Jackson County Extension Office and NFREC - Beef Unit

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Initiative	IST Num	Title	Purpose and Objective	Start Date	End Date	Session ID	Faculty Lead	Type	Hours	Location
			On day 2, we will have a tour to visit research projects at NFREC. State specialists will have the opportunity to show the research sites/demonstrations to the agents.							
1	32162	Genetic diversity of Begonia and its potential utilization in breeding and landscaping	<p>Begonia is one of the top five ornamental plant species in the landscape and is used as bedding, hanging baskets, potted and indoor plants for theme parks, resorts and hotels and house plants . Begonia is a mega-diverse genus with over 1,800 identified species, with new ones being discovered every week. Compared to the rich diversity of begonia, there is a lack of information on its collection and preservation in United States, particularly in Florida. Given the economic importance of begonia in the landscaping industry as well as in nursery production, breeding activity from private and public sector has increased over years. However, the utilization of various genetic materials in begonia breeding is still very limited. This educational workshop will be co-organized by UF begonia breeders and UF/IFAS Extension faculty. Speakers include professors, breeders, UF/IFAS Extension faculty, germplasm collectors from the Begonia Society and Botanical Gardens, and breeders from private companies. UF/IFAS Extension faculty will be invited to share information on conservation and</p>	2/23/2023	2/23/2023	321621	Liz Felter	trad	5	Mid-Florida Research and Education Center

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Initiative	IST Num	Title	Purpose and Objective	Start Date	End Date	Session ID	Faculty Lead	Type	Hours	Location
			collection of Begonia, past and current breeding activity, challenges and opportunity of utilizing genetic materials for various landscaping uses. The goal of this workshop is to establish a network of various people working on Begonia and increase the awareness of breeders from public and private sector for conserving and utilizing highly diverse begonia materials and educate Extension agents and nursery growers in the production of new varieties developed by breeders for different landscaping uses.							
1	32165	Optimizing Irrigation Management of Horticultural Crops	Proper irrigation management is important for increasing crop production. In this IST, we will provide information on general principles of irrigation, present new tools for irrigation scheduling and also share information on how to troubleshoot soil moisture sensors and provide answers to common questions.	3/15/2023	3/15/2023	321651	Davie Kadyampakeni	mixt	4.5	CREC and Zoom
1	32166	Updates on grazing lands management in South Florida	The overall objective of the IST will be to provide the most current scientific information on management practices to optimize weed control, nutrient management, water quality, and mitigate climate change impacts on grazing lands to Agriculture, Livestock, and Natural Resources County Extension Agents. In addition, the IST will address the importance of	4/4/2023	4/4/2023	321661	Joao Vendramini	Trad	6	UF/IFAS Range Cattle REC

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Initiative	IST Num	Title	Purpose and Objective	Start Date	End Date	Session ID	Faculty Lead	Type	Hours	Location
			<p>nutrition to fetal programming in cow-calf operations.</p> <p>The specific objective of the IST will be to increase 10% in the audience knowledge in the subject matters covered by the IST.</p>							
1	32171	Peanut Agronomic Series In-Service Training	<p>The Florida Peanut Team is coordinating this two-part IST, both for veteran agents and new Extension Faculty. Specialists will hold a lecture-based training in the spring followed by one late season field walks.</p> <p>The objective is to increase the County Extension Faculty's knowledge regarding the growth habit and physiology of this crop, as well as familiarity with the best management practices associated with its production. Faculty receive calls ranging from seed quality and variety performance, product use and rotation, and maturity sample evaluation to determine harvest a date.</p>	1/31/2023	1/31/2023	321711	Ethan Carter	trad	5.5	2741 Penn Ave, Marianna FL 32448
1	32172	Weed Identification, Herbicide Symptoms, and Sprayer Calibration: In-Service Training	<p>The objective of this IST is to provide information relevant to weed control. The information will be applicable to agents working with agronomic crops, forage/pasture systems, and on many aspects to horticultural agents.</p>	3/14/2023	3/14/2023	321721	Pratap Devkota	trad	5.5	NFREC Marianna
1	32190	Turf Academy – Turfgrass Management In-Service Training – Session A	<p>Turfgrass covers a large portion of urban landscapes, however, it is often mismanaged. Some of this mismanagement is due to the lack of</p>	3/31/2023	3/31/2023	321901	AJ Lindsey	mixt	7	FLREC, Davie, FL

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Initiative	IST Num	Title	Purpose and Objective	Start Date	End Date	Session ID	Faculty Lead	Type	Hours	Location
			<p>awareness or knowledge of proper turfgrass management. This program addresses the need of turfgrass management training for extension faculty and staff.</p> <p>The program will cover turfgrass identification, cultural practices (mowing, cultivation, fertilization, irrigation, etc.), and pest management (weeds, insect, disease, nematodes). The program will involve both classroom presentations and outdoor activities aimed at providing firsthand experience with turfgrass management and pest identification. Upon completion of the IST, learners will be able to: 1.) identify common turfgrasses grown in Florida, 2.) accurately calculate fertilizer needs and irrigation run times, 3.) identify the common insects and diseases known to impact turfgrass, and 4.) recognize and diagnose improper management practices and corrective actions that need to be taken.</p>							
1	32190	Turf Academy – Turfgrass Management In-Service Training – Session B	<p>Turfgrass covers a large portion of urban landscapes, however, it is often mismanaged. Some of this mismanagement is due to the lack of awareness or knowledge of proper turfgrass management. This program addresses the need of turfgrass management training for extension faculty and staff.</p>	6/15/2023	6/15/2023	321902	AJ Lindsey	mixt	7	WFREC, Jay, FL

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Initiative	IST Num	Title	Purpose and Objective	Start Date	End Date	Session ID	Faculty Lead	Type	Hours	Location
			<p>The program will cover turfgrass identification, cultural practices (mowing, cultivation, fertilization, irrigation, etc.), and pest management (weeds, insect, disease, nematodes). The program will involve both classroom presentations and outdoor activities aimed at providing firsthand experience with turfgrass management and pest identification. Upon completion of the IST, learners will be able to: 1.) identify common turfgrasses grown in Florida, 2.) accurately calculate fertilizer needs and irrigation run times, 3.) identify the common insects and diseases known to impact turfgrass, and 4.) recognize and diagnose improper management practices and corrective actions that need to be taken.</p>							
1	32190	Turf Academy – Turfgrass Management In-Service Training – Session C	<p>Turfgrass covers a large portion of urban landscapes, however, it is often mismanaged. Some of this mismanagement is due to the lack of awareness or knowledge of proper turfgrass management. This program addresses the need of turfgrass management training for extension faculty and staff.</p> <p>The program will cover turfgrass identification, cultural practices (mowing, cultivation, fertilization, irrigation, etc.), and pest management (weeds, insect, disease, nematodes). The program will involve both classroom presentations and outdoor</p>	10/5/2023	10/5/2023	321903	AJ Lindsey	mixt	7	PSREU, Citra, FL

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Initiative	IST Num	Title	Purpose and Objective	Start Date	End Date	Session ID	Faculty Lead	Type	Hours	Location
			activities aimed at providing firsthand experience with turfgrass management and pest identification. Upon completion of the IST, learners will be able to: 1.) identify common turfgrasses grown in Florida, 2.) accurately calculate fertilizer needs and irrigation run times, 3.) identify the common insects and diseases known to impact turfgrass, and 4.) recognize and diagnose improper management practices and corrective actions that need to be taken.							
1	32192	Agronomic updates for row crops	Update county extension faculty on the latest agronomic production and management updates, commodity and economic outlooks, and other issues related to agronomic row crops.	1/18/2023	1/18/2023	321921	Cheryl Mackowick	Mixt	7	NFREC, Quincy, FL
2	31781	Scholarships for County and Regional Extension Faculty to attend the 2022 Biennial University of Florida Water Institute Symposium	The purpose of this IST is to provide scholarships for UF/IFAS County and Regional Extension Faculty to attend the biennial UF Water Institute symposium on February 22-23, 2022, at the University of Florida main campus in Gainesville, Florida. The objectives of this IST are to provide County and Regional Extension Faculty access to information that will enable them to conduct effective educational programming that addresses Extension's priorities for enhancing and protecting water quality, quantity and supply, as well as to prepare for the impacts of climate change, extreme events and sea level rise. The symposium will expose County and	2/22/2022	2/22/2022	317811	Wendy Graham	conf	7.5	Reitz Union

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Initiative	IST Num	Title	Purpose and Objective	Start Date	End Date	Session ID	Faculty Lead	Type	Hours	Location
			<p>Regional Extension Faculty to innovative science, technology, education, policy, and management advances in the following pressing water issues:</p> <ol style="list-style-type: none"> 1. Water Quality Drivers and Impacts on Public, Wildlife and Ecosystem Health 2. Water Availability, Valuation, Allocation and Reuse 3. Climate Change and Sea Level Rise Impacts on Ecosystems and Communities 4. Water Governance and Environmental Justice <p>The symposium will provide networking opportunities with scientists and stakeholders in the Florida’s water-resource community. The technical level of the material will be a combination of intermediate and advanced, both academic and related to water management and policy.</p>							
2	31781	Scholarships for County and Regional Extension Faculty to attend the 2022 Biennial University of Florida Water Institute Symposium	<p>The purpose of this IST is to provide scholarships for UF/IFAS County and Regional Extension Faculty to attend the biennial UF Water Institute symposium on February 22-23, 2022, at the University of Florida main campus in Gainesville, Florida. The objectives of this IST are to provide County and Regional Extension Faculty access to information that will enable them to conduct effective educational programming that addresses Extension’s priorities for enhancing and protecting water quality, quantity and supply, as well as to prepare for the impacts of climate change,</p>	2/23/2022	2/23/2022	317812	Wendy Graham	conf	5	Reitz Union

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Initiative	IST Num	Title	Purpose and Objective	Start Date	End Date	Session ID	Faculty Lead	Type	Hours	Location
			<p>extreme events and sea level rise. The symposium will expose County and Regional Extension Faculty to innovative science, technology, education, policy, and management advances in the following pressing water issues:</p> <ol style="list-style-type: none"> 1. Water Quality Drivers and Impacts on Public, Wildlife and Ecosystem Health 2. Water Availability, Valuation, Allocation and Reuse 3. Climate Change and Sea Level Rise Impacts on Ecosystems and Communities 4. Water Governance and Environmental Justice <p>The symposium will provide networking opportunities with scientists and stakeholders in the Florida’s water-resource community. The technical level of the material will be a combination of intermediate and advanced, both academic and related to water management and policy.</p>							
2	31904	Advances in Irrigation and Water Resources Management – Module 1 - Sensors	<p>Florida’s Agriculture and Turf industries contribute significantly to the State’s economy. The state is one of the major vegetable producers, while its Turf industry ranks number one in the country with a total acreage of close to 4 million acres with economic activity of \$7.82 billion. While Florida is known for its water resources, the state is continuously facing major water quality and quantity issues. The agriculture and turf industries account for the lion share of freshwater use. Thus, efficient irrigation and water resources</p>	4/20/2021	4/20/2021	319041	Haimanote Bayabil	dist	0.5	Online

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Initiative	IST Num	Title	Purpose and Objective	Start Date	End Date	Session ID	Faculty Lead	Type	Hours	Location
			<p>management are critical not only to reduce water usage but also to improve water quality and environmental sustainability. As such, agriculture and urban water users need to adopt more advanced irrigation technologies and effective management strategies. This IST will focus on training extension agents, growers, urban homeowners, and the general public about the existing and new irrigation technologies, and advances in irrigation management practices. This IST contributes to the University of Florida’s Extension Roadmap High-Priority Initiatives (#2) Enhancing and protecting water quality, quantity, and supply and (#3) Enhancing and conserving Florida’s natural resources and environmental quality.</p>							
2	31904	Advances in Irrigation and Water Resources Management – Module 2 - UAVs for irrigation	<p>Florida’s Agriculture and Turf industries contribute significantly to the State’s economy. The state is one of the major vegetable producers, while its Turf industry ranks number one in the country with a total acreage of close to 4 million acres with economic activity of \$7.82 billion. While Florida is known for its water resources, the state is continuously facing major water quality and quantity issues. The agriculture and turf industries account for the lion share of freshwater use. Thus, efficient irrigation and water resources management are critical not only to reduce water usage but also to improve water quality and environmental sustainability. As such,</p>	4/20/2021	4/20/2021	319042	Haimanote Bayabil	dist	0.5	Online

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Initiative	IST Num	Title	Purpose and Objective	Start Date	End Date	Session ID	Faculty Lead	Type	Hours	Location
			agriculture and urban water users need to adopt more advanced irrigation technologies and effective management strategies. This IST will focus on training extension agents, growers, urban homeowners, and the general public about the existing and new irrigation technologies, and advances in irrigation management practices. This IST contributes to the University of Florida’s Extension Roadmap High-Priority Initiatives (#2) Enhancing and protecting water quality, quantity, and supply and (#3) Enhancing and conserving Florida’s natural resources and environmental quality.							
2	31904	Advances in Irrigation and Water Resources Management – Module 3 - Irrigation scheduling	Florida’s Agriculture and Turf industries contribute significantly to the State’s economy. The state is one of the major vegetable producers, while its Turf industry ranks number one in the country with a total acreage of close to 4 million acres with economic activity of \$7.82 billion. While Florida is known for its water resources, the state is continuously facing major water quality and quantity issues. The agriculture and turf industries account for the lion share of freshwater use. Thus, efficient irrigation and water resources management are critical not only to reduce water usage but also to improve water quality and environmental sustainability. As such, agriculture and urban water users need to adopt more advanced irrigation technologies and effective management strategies. This IST will	4/20/2021	4/20/2021	319043	Haimanote Bayabil	dist	0.5	Online

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Initiative	IST Num	Title	Purpose and Objective	Start Date	End Date	Session ID	Faculty Lead	Type	Hours	Location
			<p>focus on training extension agents, growers, urban homeowners, and the general public about the existing and new irrigation technologies, and advances in irrigation management practices. This IST contributes to the University of Florida’s Extension Roadmap High-Priority Initiatives (#2) Enhancing and protecting water quality, quantity, and supply and (#3) Enhancing and conserving Florida’s natural resources and environmental quality.</p>							
2	31904	<p>Advances in Irrigation and Water Resources Management – Module 4-Irrigation systems</p>	<p>Florida’s Agriculture and Turf industries contribute significantly to the State’s economy. The state is one of the major vegetable producers, while its Turf industry ranks number one in the country with a total acreage of close to 4 million acres with economic activity of \$7.82 billion. While Florida is known for its water resources, the state is continuously facing major water quality and quantity issues. The agriculture and turf industries account for the lion share of freshwater use. Thus, efficient irrigation and water resources management are critical not only to reduce water usage but also to improve water quality and environmental sustainability. As such, agriculture and urban water users need to adopt more advanced irrigation technologies and effective management strategies. This IST will focus on training extension agents, growers, urban homeowners, and the general public about the existing and new irrigation technologies, and</p>	5/20/2021	5/20/2021	319044	Haimanote Bayabil	dist	0.5	Online

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Initiative	IST Num	Title	Purpose and Objective	Start Date	End Date	Session ID	Faculty Lead	Type	Hours	Location
			advances in irrigation management practices. This IST contributes to the University of Florida’s Extension Roadmap High-Priority Initiatives (#2) Enhancing and protecting water quality, quantity, and supply and (#3) Enhancing and conserving Florida’s natural resources and environmental quality.							
2	31904	Advances in Irrigation and Water Resources Management – Module 5 - Nutrient management for water quality	Florida’s Agriculture and Turf industries contribute significantly to the State’s economy. The state is one of the major vegetable producers, while its Turf industry ranks number one in the country with a total acreage of close to 4 million acres with economic activity of \$7.82 billion. While Florida is known for its water resources, the state is continuously facing major water quality and quantity issues. The agriculture and turf industries account for the lion share of freshwater use. Thus, efficient irrigation and water resources management are critical not only to reduce water usage but also to improve water quality and environmental sustainability. As such, agriculture and urban water users need to adopt more advanced irrigation technologies and effective management strategies. This IST will focus on training extension agents, growers, urban homeowners, and the general public about the existing and new irrigation technologies, and advances in irrigation management practices. This IST contributes to the University of Florida’s Extension Roadmap High-Priority Initiatives (#2)	5/20/2021	5/20/2021	319045	Haimanote Bayabil	dist	0.5	Online

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Initiative	IST Num	Title	Purpose and Objective	Start Date	End Date	Session ID	Faculty Lead	Type	Hours	Location
			<p>Enhancing and protecting water quality, quantity, and supply and (#3) Enhancing and conserving Florida's natural resources and environmental quality.</p>							
2	31917	<p>Basics of Private Drinking Wells and Septic Systems -Basics of Conventional Septic Systems</p>	<p>More than 30% of households in Florida rely on septic systems for onsite wastewater treatment and at least 12% of the population relies on private wells for home water consumption. While public water systems are monitored under the federal Safe Drinking Water Act, private wells are not regulated. Management and protection of private well water are under the control of well owners, and therefore, depend primarily on education rather than regulation. As Florida moves forward with Basin Management Action Plans (BMAPs) to reduce pollutant loads to impaired water bodies, raising awareness among residents about groundwater quality, pollutant sources, and best practices to reduce loads is increasingly critical. The state has identified septic systems as well as fertilizer used for agriculture and residential purposes as major sources of nitrogen to impaired water bodies. Septic systems are also potential sources of fecal coliform bacteria and other pathogens to ground and surface waters, particularly if poorly cited, failing, or under flooded conditions.</p> <p>This IST is designed to demonstrate the basic components and management of a typical private well</p>	3/25/2021	3/25/2021	319171	Yilin Zhuang	Dist	1	Zoom

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Initiative	IST Num	Title	Purpose and Objective	Start Date	End Date	Session ID	Faculty Lead	Type	Hours	Location
			<p>and septic system and provide updates and more advanced topics to build on information provided in previous ISTs. We will also provide available tools and resources for septic system and private well education.</p> <p>The agents will learn:</p> <p>Basics of conventional septic systems; Common failures of conventional septic systems; Basics of private drinking wells; Common water quality issues of private wells; Advanced septic systems; Springs protection regulations. The material will be offered at a basic-to-intermediate level. Agents with little-to-no experience in residential irrigation will be able to attend this IST.</p>							
2	31917	Basics of Private Drinking Wells and Septic Systems - Basics of Private Drinking Wells	<p>More than 30% of households in Florida rely on septic systems for onsite wastewater treatment and at least 12% of the population relies on private wells for home water consumption. While public water systems are monitored under the federal Safe Drinking Water Act, private wells are not regulated. Management and protection of private well water are under the control of well owners, and therefore, depend primarily on education rather than regulation. As Florida moves forward with Basin Management Action Plans (BMAPs) to reduce pollutant loads to impaired water bodies, raising awareness among</p>	4/22/2021	4/22/2021	319172	Yilin Zhuang	Dist	1	Zoom

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Initiative	IST Num	Title	Purpose and Objective	Start Date	End Date	Session ID	Faculty Lead	Type	Hours	Location
			<p>residents about groundwater quality, pollutant sources, and best practices to reduce loads is increasingly critical. The state has identified septic systems as well as fertilizer used for agriculture and residential purposes as major sources of nitrogen to impaired water bodies. Septic systems are also potential sources of fecal coliform bacteria and other pathogens to ground and surface waters, particularly if poorly cited, failing, or under flooded conditions.</p> <p>This IST is designed to demonstrate the basic components and management of a typical private well and septic system and provide updates and more advanced topics to build on information provided in previous ISTs. We will also provide available tools and resources for septic system and private well education.</p> <p>The agents will learn:</p> <ul style="list-style-type: none"> Basics of conventional septic systems; Common failures of conventional septic systems; Basics of private drinking wells; Common water quality issues of private wells; Advanced septic systems; Springs protection regulations. <p>The material will be offered at a basic-to-intermediate level. Agents with little-to-no experience in residential irrigation will be able to attend this IST.</p>							

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Initiative	IST Num	Title	Purpose and Objective	Start Date	End Date	Session ID	Faculty Lead	Type	Hours	Location
2	31917	Basics of Private Drinking Wells and Septic Systems - Drinking Water Standards and Common Private Well Water Issues	<p>More than 30% of households in Florida rely on septic systems for onsite wastewater treatment and at least 12% of the population relies on private wells for home water consumption. While public water systems are monitored under the federal Safe Drinking Water Act, private wells are not regulated. Management and protection of private well water are under the control of well owners, and therefore, depend primarily on education rather than regulation. As Florida moves forward with Basin Management Action Plans (BMAPs) to reduce pollutant loads to impaired water bodies, raising awareness among residents about groundwater quality, pollutant sources, and best practices to reduce loads is increasingly critical. The state has identified septic systems as well as fertilizer used for agriculture and residential purposes as major sources of nitrogen to impaired water bodies. Septic systems are also potential sources of fecal coliform bacteria and other pathogens to ground and surface waters, particularly if poorly cited, failing, or under flooded conditions.</p> <p>This IST is designed to demonstrate the basic components and management of a typical private well and septic system and provide updates and more advanced topics to build on information provided in previous ISTs. We will also provide available tools</p>	5/27/2021	5/27/2021	319173	Yilin Zhuang	Dist	1	Zoom

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Initiative	IST Num	Title	Purpose and Objective	Start Date	End Date	Session ID	Faculty Lead	Type	Hours	Location
			<p>and resources for septic system and private well education.</p> <p>The agents will learn:</p> <p>Basics of conventional septic systems; Common failures of conventional septic systems; Basics of private drinking wells; Common water quality issues of private wells; Advanced septic systems; Springs protection regulations. The material will be offered at a basic-to-intermediate level. Agents with little-to-no experience in residential irrigation will be able to attend this IST.</p>							
2	31917	Basics of Private Drinking Wells and Septic Systems -Advanced Septic Systems	<p>More than 30% of households in Florida rely on septic systems for onsite wastewater treatment and at least 12% of the population relies on private wells for home water consumption. While public water systems are monitored under the federal Safe Drinking Water Act, private wells are not regulated. Management and protection of private well water are under the control of well owners, and therefore, depend primarily on education rather than regulation. As Florida moves forward with Basin Management Action Plans (BMAPs) to reduce pollutant loads to impaired water bodies, raising awareness among residents about groundwater quality, pollutant sources, and best practices to reduce loads is increasingly critical. The state has identified septic systems</p>	6/24/2021	6/24/2021	319174	Yilin Zhuang	Dist	1	Zoom

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Initiative	IST Num	Title	Purpose and Objective	Start Date	End Date	Session ID	Faculty Lead	Type	Hours	Location
			<p>as well as fertilizer used for agriculture and residential purposes as major sources of nitrogen to impaired water bodies. Septic systems are also potential sources of fecal coliform bacteria and other pathogens to ground and surface waters, particularly if poorly cited, failing, or under flooded conditions.</p> <p>This IST is designed to demonstrate the basic components and management of a typical private well and septic system and provide updates and more advanced topics to build on information provided in previous ISTs. We will also provide available tools and resources for septic system and private well education.</p> <p>The agents will learn:</p> <p>Basics of conventional septic systems; Common failures of conventional septic systems; Basics of private drinking wells; Common water quality issues of private wells; Advanced septic systems; Springs protection regulations.</p> <p>The material will be offered at a basic-to-intermediate level. Agents with little-to-no experience in residential irrigation will be able to attend this IST.</p>							
2	31917	Basics of Private Drinking Wells and Septic Systems - Springs Protection Regulations	More than 30% of households in Florida rely on septic systems for onsite wastewater treatment and at least 12% of the population relies on private wells for home water	7/22/2021	7/22/2021	319175	Yilin Zhuang	Dist	1	Zoom

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Initiative	IST Num	Title	Purpose and Objective	Start Date	End Date	Session ID	Faculty Lead	Type	Hours	Location
			<p>consumption. While public water systems are monitored under the federal Safe Drinking Water Act, private wells are not regulated. Management and protection of private well water are under the control of well owners, and therefore, depend primarily on education rather than regulation. As Florida moves forward with Basin Management Action Plans (BMAPs) to reduce pollutant loads to impaired water bodies, raising awareness among residents about groundwater quality, pollutant sources, and best practices to reduce loads is increasingly critical. The state has identified septic systems as well as fertilizer used for agriculture and residential purposes as major sources of nitrogen to impaired water bodies. Septic systems are also potential sources of fecal coliform bacteria and other pathogens to ground and surface waters, particularly if poorly cited, failing, or under flooded conditions.</p> <p>This IST is designed to demonstrate the basic components and management of a typical private well and septic system and provide updates and more advanced topics to build on information provided in previous ISTs. We will also provide available tools and resources for septic system and private well education.</p> <p>The agents will learn:</p> <p>Basics of conventional septic systems;</p>							

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Initiative	IST Num	Title	Purpose and Objective	Start Date	End Date	Session ID	Faculty Lead	Type	Hours	Location
			<p>Common failures of conventional septic systems; Basics of private drinking wells; Common water quality issues of private wells; Advanced septic systems; Springs protection regulations. The material will be offered at a basic-to-intermediate level. Agents with little-to-no experience in residential irrigation will be able to attend this IST.</p>							
2	31917	<p>Basics of Private Drinking Wells and Septic Systems -Tools and Resources Available for Septic System Programming</p>	<p>More than 30% of households in Florida rely on septic systems for onsite wastewater treatment and at least 12% of the population relies on private wells for home water consumption. While public water systems are monitored under the federal Safe Drinking Water Act, private wells are not regulated. Management and protection of private well water are under the control of well owners, and therefore, depend primarily on education rather than regulation. As Florida moves forward with Basin Management Action Plans (BMAPs) to reduce pollutant loads to impaired water bodies, raising awareness among residents about groundwater quality, pollutant sources, and best practices to reduce loads is increasingly critical. The state has identified septic systems as well as fertilizer used for agriculture and residential purposes as major sources of nitrogen to impaired water bodies. Septic systems are also potential sources of fecal coliform bacteria and other pathogens to</p>	8/26/2021	8/26/2021	319176	Yilin Zhuang	Dist	1	Zoom

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Initiative	IST Num	Title	Purpose and Objective	Start Date	End Date	Session ID	Faculty Lead	Type	Hours	Location
			<p>ground and surface waters, particularly if poorly cited, failing, or under flooded conditions.</p> <p>This IST is designed to demonstrate the basic components and management of a typical private well and septic system and provide updates and more advanced topics to build on information provided in previous ISTs. We will also provide available tools and resources for septic system and private well education.</p> <p>The agents will learn:</p> <p>Basics of conventional septic systems; Common failures of conventional septic systems; Basics of private drinking wells; Common water quality issues of private wells; Advanced septic systems; Springs protection regulations.</p> <p>The material will be offered at a basic-to-intermediate level. Agents with little-to-no experience in residential irrigation will be able to attend this IST.</p>							
2	31939	Information-driven irrigation for saving water and improving production	The decline of water quality and quantity in Florida is exacerbated by irrigation practices that are not guided by scientific knowledge and information. The goal of this IST is to help understand how irrigation decision-making based on information can help save water and improve crop production. This IST will introduce the results of two irrigation experiments conducted by the instructor at TREC	9/16/2021	9/16/2021	319391	Young Gu Her	dist	2	Zoom

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Initiative	IST Num	Title	Purpose and Objective	Start Date	End Date	Session ID	Faculty Lead	Type	Hours	Location
			and provides hand-on experience of scheduling irrigation using both mobile application (or app) and spreadsheet-based tool. This IST is expected to help Extension agents understand how advanced irrigation practices can help farmers and environment and farmers save water while improving production.							
2	31999	Florida-Friendly In-Service Training	<p>Provide professional development for County Extension Faculty and affiliated professionals in the form of Florida-Friendly Landscaping™ State office updates and a sharing session. This distance learning training will provide an update on current projects and relevant developments in the FFL program.</p> <p>County extension faculty and affiliated professionals will come away with increase knowledge of:</p> <p>Updates from FFL - new branding, new website, marketing efforts Updates from FYN - published articles, new programs and roll outs, previous program updates, new materials Updates from FFC - published articles, new programs and roll outs, previous program updates Updates from GI-BMP - new materials, updates to old materials, program updates Sharing session - presentations from various agents around the state on new and innovative projects in their counties</p>	6/23/2021	6/23/2021	319991	Esen Momol	Dist	3	Zoom

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Initiative	IST Num	Title	Purpose and Objective	Start Date	End Date	Session ID	Faculty Lead	Type	Hours	Location
2	32019	Information-driven irrigation for saving water and improving production	The decline of water quality and quantity in Florida is exacerbated by irrigation practices that are not guided by scientific knowledge and information. The goal of this IST is to help understand how irrigation decision-making based on information can help save water and improve crop production. This IST will introduce the results of two irrigation experiments conducted by the instructor at TREC and provides hands-on experience of scheduling irrigation using both mobile application (or app) and spreadsheet-based tools. This IST is expected to help Extension agents understand how advanced irrigation practices can help farmers save water while improving production.	9/17/2021	9/17/2021	320191	Young Gu Her	dist	1.5	Online
2	32020	Information-driven irrigation for saving water and improving production	The decline of water quality and quantity in Florida is exacerbated by irrigation practices that are not guided by scientific knowledge and information. The goal of this IST is to help understand how irrigation decision-making based on information can help save water and improve crop production. This IST will introduce the results of two irrigation experiments conducted by the instructor at TREC and provides hands-on experience of scheduling irrigation using both mobile application (or app) and spreadsheet-based tools. This IST is expected to help Extension agents understand how advanced irrigation practices can help farmers save water while improving production.	10/21/2021	10/21/2021	320201	Young Gu Her	dist	1.5	Online

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Initiative	IST Num	Title	Purpose and Objective	Start Date	End Date	Session ID	Faculty Lead	Type	Hours	Location
2	32024	Northwest Florida Pond Management	Natural and man-made ponds and reservoirs are prevalent in rural and residential landscapes of North Florida providing a variety of services (e.g., flood control, irrigation, fire control, livestock watering, recreation, habitat for fish and wildlife). County Extension Faculty have a broad knowledge in resource management that typically focuses on terrestrial and agricultural settings. However, they routinely encounter questions from clients on a wide range of topics in pond management, particularly in water quality and aquatic plant management. Managing aquatic systems requires specialized knowledge, skills, and practices. The purpose of this IST is to increase the knowledge of extension faculty in NW Florida in private pond management. The objectives to accomplish this purpose are to deliver in-class knowledge in multiple disciplines pertaining to pond management and hands-on practical training in methods for planning and evaluating management activities.	9/21/2021	9/21/2021	320241	James Leary	trad	7	Washington County Extension Office,
2	32037	Developing a Successful Landscape Irrigation Rebate Program: How Much Water and Money Can you Save?	Smart controllers and other irrigation retrofits are proven to save water and improve irrigation efficiency. Efficient irrigation systems not only conserve water but also contribute to water quality by reducing runoff and nutrient loading to freshwater bodies. Developing efficient irrigation systems	10/13/2022	10/13/2022	320371	Haimanote Bayabil	dist	2	Online

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Initiative	IST Num	Title	Purpose and Objective	Start Date	End Date	Session ID	Faculty Lead	Type	Hours	Location
			<p>involves several factors such as plant, soil, microclimate, irrigation system design, etc. The advancement of irrigation technologies (e.g., sensors, timers, valves) offers great opportunities to develop more efficient irrigation systems. However, adoption rates of smart irrigation technologies by homeowners, property developers, HOAs, etc. remain low. Therefore, more work needs to be done to create awareness about smart irrigation systems and their benefits.</p> <p>This IST will focus on training extension agents about smart irrigation technologies and will discuss what it takes to develop a successful irrigation rebate program. In addition, lessons learned from a landscape irrigation rebate program and water and money savings will be shared. This IST contributes to the University of Florida’s Extension Roadmap High-Priority Initiatives (#2) Enhancing and protecting water quality, quantity, and supply and (#3) Enhancing and conserving Florida’s natural resources and environmental quality.</p>							
2	32064	Urban Florida Landscapes in 2050: Transforming Aesthetics and Function, A Roadmap for the Next 30 Years	This IST addresses the need to increase extension agents’ involvement in an on-going conversation and planning process about the future of sustainable landscapes for Florida’s urban areas. A working group of IFAS specialists have	4/21/2022	4/21/2022	320641	Gail Hansen	trad	4.5	UF IFAS Straughn Center, Gainesville, FL

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Initiative	IST Num	Title	Purpose and Objective	Start Date	End Date	Session ID	Faculty Lead	Type	Hours	Location
			<p>been involved in a 3-year internal collaboration process to explore the question: what will an urban Florida landscape look like in 2050, and how will it function? The FUL (Future of Urban Landscapes) working group has been discussing the nexus of environmental innovation, social and cultural behavior, and the need to redefine and reimagine nature in urban areas to meet new and old environmental challenges today and in Florida’s future. An important consensus that emerged is our collective commitment to address these challenges, to educate a broad range of people, and to identify the opportunities and barriers to moving forward to a new urban ecology. To do this we need to foster increased collaboration and communication among the IFAS department specialists and agents. The collaboration will benefit both the agents and the specialists as the ideas and activities from the FUL planning process will impact everyone’s programs and activities. Agents can provide unique inputs, experiences, and stakeholder feedback from their relationships with representatives of municipalities, and with natural resource managers, green industry leaders, and landscape professionals. It’s important that they have an opportunity to be part of the planning process that will determine the directions/actions IFAS will take</p>							

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			<p>regarding extension's role in influencing urban landscapes and natural resource protection. The IST will also provide an opportunity to gather information from agents that will be used confidentially in the FUL report and in a potential research paper, both aimed at guiding the development and implementation of more sustainable urban landscaping. As part of the research process, agents will be asked to sign an informed consent letter as your feedback could potentially be published.</p>							
2	32070	<p>Delivering & Quantifying Fertilizer Education: A New Tool to Measure Impacts</p>	<p>In this IST the Florida Friendly Landscaping Agent, Tina McIntyre, will work with Dr. AJ Reisinger, Assistant Professor, Urban Soil and Water Quality, to showcase the program materials used to create a fertilizer education campaign for residential, commercial and retail extension clients. They will then demonstrate how the survey data collected for the program was used to create an available tool, published in an EDIS publication, Quantifying Water Quality and Economic Impacts of Fertilizer Workshops: A Case Study. Furthermore, they will highlight the</p>	6/2/2022	6/2/2022	320701	Tina McIntyre	Dist	2	Zoom

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Initiative	IST Num	Title	Purpose and Objective	Start Date	End Date	Session ID	Faculty Lead	Type	Hours	Location
			<p>existing and updated water savings calculator, which can further be used to calculate impacts and gallons saved.</p> <p>We will ask participants to complete a basic survey to better understand their understanding of these tools and assess if there is a need for such a tool in their program area.</p> <p>Required preliminary reading: Quantifying Impacts of Fertilizer Workshops on Nitrogen Leaching and Subsequent Economic Impacts: A Case Study https://edis.ifas.ufl.edu/pdf/SS/SS705/SS705-D9fmkgoqj2.pdf</p> <p>Recommended preliminary reading: Sources and Transformations of Nitrogen in Urban Landscapes https://edis.ifas.ufl.edu/pdf/SS/SS68100.pdf</p>							
2	32110	Information-driven irrigation for saving water and improving production	The decline of water quality and quantity in Florida is exacerbated by irrigation practices that are not guided by scientific knowledge and information. This IST aims to help better understand how irrigation decision-making based on information can help save water and improve crop production. This IST will introduce the results of two irrigation experiments	10/5/2022	10/5/2022	321101	Young Gu Her	Dist	1	Online

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Initiative	IST Num	Title	Purpose and Objective	Start Date	End Date	Session ID	Faculty Lead	Type	Hours	Location
			conducted by the instructor at TREC. This IST is expected to help Extension agents understand how advanced irrigation practices can help farmers save water while improving production.							
2	32113	Soil Moisture Sensing Technologies	Soil moisture is an important factor used in irrigated agriculture to make decisions regarding irrigation scheduling. With accurate monitoring of soil moisture, producers can avoid both excessive and insufficient irrigation that leads to reduced yield quantity and quality, increased runoff, erosion, leaching of nutrients, and other problems. Novel sensing technologies are required to determine crop water status and conduct irrigation scheduling. Various types of soil moisture sensors (SMS) are commercially available for monitoring soil water status and scheduling irrigation events, including AgIoT/ web platforms for faster data gathering and interpretation. This IST will focus on training extension agents, growers, and the public about the existing and new soil moisture sensor technologies including soil moisture data AgIoT, data management tools, and phone and web-based irrigation scheduling platforms. This IST contributes to the University of Florida's Extension Roadmap High-Priority Initiatives (#2) Enhancing and protecting water quality, quantity, and	5/6/2022	5/6/2022	32113	Vivek Sharma	mixt	4.5	Mid Florida Research and Education Center, Apopka, FL.

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Initiative	IST Num	Title	Purpose and Objective	Start Date	End Date	Session ID	Faculty Lead	Type	Hours	Location
			supply and (#3) Enhancing and conserving Florida’s natural resources and environmental quality.							
2	32122	Florida-Friendly Landscaping™ IST - North Florida	The North Florida Florida-Friendly Landscaping™ (FFL) 2022 In-Service Training is aimed at helping to educate agents and program assistants on current research from leading UF specialists. The training will be taught by 3 faculty members who have specialties in FFL topics. Ryan Klein will speak about assessing tree risk and minimizing future failures; Gary Knox will present on crape myrtles; and Eban Bean will present on soil health.	6/30/2022	6/30/2022	321221	Esen Momol	trad	4	North Florida REC, Quincy
2	32123	Florida-Friendly Landscaping™ IST - South Florida	The South Florida Florida-Friendly Landscaping™ (FFL) 2022 In-Service Training is aimed at helping to educate agents and program assistants on current research from leading UF specialists. The training will be taught by 3 faculty members who have specialties in FFL topics. Ryan Klein will speak about assessing tree risk and minimizing future failures; Don Rainey will present on management of nonpoint source pollution within the urban boundary; and Mica McMillan will provide an update on palm management.	6/20/2022	6/20/2022	321231	Esen Momol	trad	4	Fort Lauderdale REC
2	32124	Florida-Friendly Landscaping™ IST - Central Florida	The Central Florida Florida-Friendly Landscaping™ (FFL) 2022 In-Service Training is aimed at helping to educate agents and program assistants on current research from leading UF specialists. The training will be taught	6/10/2022	6/10/2022	321241	Esen Momol	trad	4	Mid-Florida REC, Apopka

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Initiative	IST Num	Title	Purpose and Objective	Start Date	End Date	Session ID	Faculty Lead	Type	Hours	Location
			by 3 faculty members who have specialties in FFL topics. Ryan Klein will speak about assessing tree risk and minimizing future failures; Hyak Khachatryan will present on consumers' willingness-to-pay for houseplants during the COVID-19 Pandemic; and Brian Pearson will talk about growing hops in Florida. Please note that Dr. Khachatryan will be appearing via zoom; Dr. Klein will be appearing via a pre-recorded session; and Dr. Pearson will be appearing in person.							
2	32151	Applications of Variable Rate (VR) Technology for Irrigation, Nutrient, and Chemical Management	Irrigation is critical for crop production in Florida mainly due to uneven rainfall distribution. Precision irrigation management practices have great potential for not only conserving freshwater quantity, nutrients, and chemicals but also protecting water quality by reducing nutrient loading from excess irrigation. Variable rate technology is one of the most advanced and efficient technologies that allows the precision application of water, nutrients, and chemicals at field and plot scales. This IST will focus on training Extension agents, students, researchers, farm managers, etc. about the VRI technology, the potential of VRI technology for water conservation, as well as challenges and opportunities of implementing VRI systems at field scales will be discussed.	12/7/2022	12/7/2022	321511	Haimanote Bayabil	dist	2	Online
3	31530	Let's Make Some Black Gold: Extension's approach to	The goal of this IST is to present multiple approaches being used by Extension faculty across the state to	10/14/2021	10/14/2021	315301	Randall Penn	trad	6	Sarasota County Extension

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Initia tive	IST Num	Title	Purpose and Objective	Start Date	End Date	Session ID	Faculty Lead	Type	Hours	Location
		composting education (and how to start in your community) – Day 1	<p>educate on the issue of composting. This IST will address the issue of composting and how to create an effective program at your Extension office. We will cover event composting, sustainable products, community composting, and a general overview of the issues across the state regarding food waste.</p> <p>The IST will provide:</p> <p>educational materials, PowerPoint presentations, pre/post surveys, annual surveys, and reporting.</p>							
3	31530	Let's Make Some Black Gold: Extension's approach to composting education (and how to start in your community) – Day 2	<p>The goal of this IST is to present multiple approaches being used by Extension faculty across the state to educate on the issue of composting. This IST will address the issue of composting and how to create an effective program at your Extension office. We will cover event composting, sustainable products, community composting, and a general overview of the issues across the state regarding food waste.</p> <p>The IST will provide:</p> <p>educational materials, PowerPoint presentations, pre/post surveys, annual surveys, and reporting.</p>	10/15/2021	10/15/2021	315302	Randall Penn	trad	5	Sarasota County Extension
3	31932	Preparing for Wildfires with Firescaping	Every year hundreds to thousands of wildfires occur across Florida and the	2/5/2021	2/5/2021	319321	Shelly Johnson	dist	1	Virtual

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			<p>southeastern US, threatening both residents and their homes. Fortunately, there are actions residents can take, such as firescaping, to help reduce their wildfire risk. Extension volunteers, like Master Gardeners and Master Naturalists, can play an important role in disseminating firescaping information to residents in their communities. The purpose of the in-service training is to educate and empower Extension faculty to train Extension volunteers to make an impact and protect Florida homes from wildfire. This webinar will introduce Extension faculty to a new training, Preparing for Wildfires with Firescaping; Extension faculty will in turn utilize this curriculum to train Extension volunteers in firescaping, and the volunteers will then extend the information into the community.</p> <p>This 1-hour webinar will occur at 10:00-11:00 AM (eastern time) and provide an overview of the Firescaping program to Extension faculty, including (1) the online educator’s training and (2) the Training Toolbox. The instructors will introduce some of the interactive training activities, and a discussion will follow for planning a Firescaping training for local volunteers. Our objective is for 75% of Extension faculty attending this training to implement firescaping training for their volunteers within 12 months of attending this IST.</p>							
3	31938	How to read sea level rise and climate change information	The goal of this IST is to aiding Extension agents in the development	5/20/2021	5/20/2021	319381	Young Gu Her	dist	3	Zoom

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Initiative	IST Num	Title	Purpose and Objective	Start Date	End Date	Session ID	Faculty Lead	Type	Hours	Location
			<p>of education and Extension activities related to sea level rise and climate change. This IST introduces sciences behind sea level rise and climate change and online sources and tools that can help find local information associated with the potential sea level rise and climate change issues. Examples are provided that illustrate the use of selected online sources and the types of information that can be obtained from the online sources. This IST may be a first step in preparing Extension agents to help diverse stakeholders and concerned residents to understand sea level rise and climate change issues and their potential impacts so that they can be better prepared for the expected changes.</p>							
3	31941	EmpowerU: Advocacy Training Program	<p>The EmpowerU program occurs across 5 weeks (March 4 – April 8) with approximately 2 hours of facilitated asynchronous training (via Canvas) with assignments due every week AND 3 live workshop sessions (via Zoom) at the end of week 1 (March 11th; 1 hour), week 4 (April 1st; 3 hours), and week 5 (April 8th; 3 hours). Completion of all online modules and workshop sessions are required to complete the course. See attached agenda for details.</p> <p>The 8 online modules will guide participants to:</p> <p>Learn about engagement; Learn how to find reliable information;</p>	3/4/2021	4/8/2021	319411	Shelly Johnson	dist	16	Canvas & Zoom

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			<p>Identify who can solve specific problems; Understand influence, power and persuasion; Review best practices for listening and questioning; Learn about framing an issue; and Create a plan to engage the right people to move their natural resource issue forward. During the 7 hours of in-person* training participants will:</p> <p>Understand commonalities and practice reflective listening; Develop questions and frame issues; Practice one-on-one meeting skills or presenting at a public meeting; and Review their engagement plan with others to make it better. Because this is a train-the-trainer, the last in-person session will also include time to discuss detailed information about the process for offering EmpowerU in their county in 2021.</p>							
3	31948	Invasive Species Training Module and Emerging Issues Webinars - Introducing the Invasive Plants Course for the FL Master Naturalist Program	<p>Invasive species are an issue that cut across almost all components of Extension. They impact our natural resources, agricultural or horticultural industries, and even the health and quality of life for Floridians across the state. The purpose of this program is to provide Extension agents with the information and resources they need to conduct programming for and assist clientele with invasive species problems. All webinars are recorded and provided via the IFAS-InvasiveSpecies Team as a package of materials that includes presentation</p>	1/14/2021	1/14/2021	319481	Emily Bell	dist	1	IFAS-Invasive Species Team (Online)

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Initiative	IST Num	Title	Purpose and Objective	Start Date	End Date	Session ID	Faculty Lead	Type	Hours	Location
			files and additional resources. This program also helps to connect agents directly with specialists and UF resources available to them.							
3	31948	Invasive Species Training Module and Emerging Issues Webinars - Argentine Black and White Tegu	Invasive species are an issue that cut across almost all components of Extension. They impact our natural resources, agricultural or horticultural industries, and even the health and quality of life for Floridians across the state. The purpose of this program is to provide Extension agents with the information and resources they need to conduct programming for and assist clientele with invasive species problems. All webinars are recorded and provided via the IFAS-InvasiveSpecies Team as a package of materials that includes presentation files and additional resources. This program also helps to connect agents directly with specialists and UF resources available to them.	2/11/2021	2/11/2021	319482	Emily Bell	dist	1	IFAS-Invasive Species Team (Online)
3	31948	Invasive Species Training Module and Emerging Issues Webinars - Standardizing Terminology for Invasive Species Outreach	Invasive species are an issue that cut across almost all components of Extension. They impact our natural resources, agricultural or horticultural industries, and even the health and quality of life for Floridians across the state. The purpose of this program is to provide Extension agents with the information and resources they need to conduct programming for and assist clientele with invasive species problems. All webinars are recorded and provided via the IFAS-InvasiveSpecies Team as a package of materials that includes presentation files and additional resources. This	3/11/2021	3/11/2021	319483	Emily Bell	dist	1	IFAS-Invasive Species Team (Online)

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Initiative	IST Num	Title	Purpose and Objective	Start Date	End Date	Session ID	Faculty Lead	Type	Hours	Location
			program also helps to connect agents directly with specialists and UF resources available to them.							
3	31948	Invasive Species Training Module and Emerging Issues Webinars - UF Herbarium Resources and Services	Invasive species are an issue that cut across almost all components of Extension. They impact our natural resources, agricultural or horticultural industries, and even the health and quality of life for Floridians across the state. The purpose of this program is to provide Extension agents with the information and resources they need to conduct programming for and assist clientele with invasive species problems. All webinars are recorded and provided via the IFAS-InvasiveSpecies Team as a package of materials that includes presentation files and additional resources. This program also helps to connect agents directly with specialists and UF resources available to them.	4/8/2021	4/8/2021	319484	Emily Bell	dist	1	IFAS-Invasive Species Team (Online)
3	31948	Invasive Species Training Module and Emerging Issues Webinars - Skunkvine	Invasive species are an issue that cut across almost all components of Extension. They impact our natural resources, agricultural or horticultural industries, and even the health and quality of life for Floridians across the state. The purpose of this program is to provide Extension agents with the information and resources they need to conduct programming for and assist clientele with invasive species problems. All webinars are recorded and provided via the IFAS-InvasiveSpecies Team as a package of materials that includes presentation files and additional resources. This program also helps to connect agents	5/13/2021	5/13/2021	319485	Emily Bell	dist	1	IFAS-Invasive Species Team (Online)

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Initiative	IST Num	Title	Purpose and Objective	Start Date	End Date	Session ID	Faculty Lead	Type	Hours	Location
			directly with specialists and UF resources available to them.							
3	31948	Invasive Species Training Module and Emerging Issues Webinars - Invasive Aquatic Plants	Invasive species are an issue that cut across almost all components of Extension. They impact our natural resources, agricultural or horticultural industries, and even the health and quality of life for Floridians across the state. The purpose of this program is to provide Extension agents with the information and resources they need to conduct programming for and assist clientele with invasive species problems. All webinars are recorded and provided via the IFAS-InvasiveSpecies Team as a package of materials that includes presentation files and additional resources. This program also helps to connect agents directly with specialists and UF resources available to them.	6/10/2021	6/10/2021	319486	Emily Bell	dist	1	IFAS-Invasive Species Team (Online)
3	31948	Invasive Species Training Module and Emerging Issues Webinars - UF IFAS Invasive Species Resources	Invasive species are an issue that cut across almost all components of Extension. They impact our natural resources, agricultural or horticultural industries, and even the health and quality of life for Floridians across the state. The purpose of this program is to provide Extension agents with the information and resources they need to conduct programming for and assist clientele with invasive species problems. All webinars are recorded and provided via the IFAS-InvasiveSpecies Team as a package of materials that includes presentation files and additional resources. This program also helps to connect agents	7/8/2021	7/8/2021	319487	Emily Bell	dist	1	IFAS-Invasive Species Team (Online)

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			directly with specialists and UF resources available to them.							
3	31948	Invasive Species Training Module and Emerging Issues Webinars - Carrotwood	Invasive species are an issue that cut across almost all components of Extension. They impact our natural resources, agricultural or horticultural industries, and even the health and quality of life for Floridians across the state. The purpose of this program is to provide Extension agents with the information and resources they need to conduct programming for and assist clientele with invasive species problems. All webinars are recorded and provided via the IFAS-InvasiveSpecies Team as a package of materials that includes presentation files and additional resources. This program also helps to connect agents directly with specialists and UF resources available to them.	8/12/2021	8/12/2021	319488	Emily Bell	dist	1	IFAS-Invasive Species Team (Online)
3	31948	Invasive Species Training Module and Emerging Issues Webinars - Invasive Fish	Invasive species are an issue that cut across almost all components of Extension. They impact our natural resources, agricultural or horticultural industries, and even the health and quality of life for Floridians across the state. The purpose of this program is to provide Extension agents with the information and resources they need to conduct programming for and assist clientele with invasive species problems. All webinars are recorded and provided via the IFAS-InvasiveSpecies Team as a package of materials that includes presentation files and additional resources. This program also helps to connect agents	9/9/2021	9/9/2021	319489	Emily Bell	dist	1	IFAS-Invasive Species Team (Online)

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			directly with specialists and UF resources available to them.							
3	31948	Invasive Species Training Module and Emerging Issues Webinars - Invasive Aquatic Plants	Invasive species are an issue that cut across almost all components of Extension. They impact our natural resources, agricultural or horticultural industries, and even the health and quality of life for Floridians across the state. The purpose of this program is to provide Extension agents with the information and resources they need to conduct programming for and assist clientele with invasive species problems. All webinars are recorded and provided via the IFAS-InvasiveSpecies Team as a package of materials that includes presentation files and additional resources. This program also helps to connect agents directly with specialists and UF resources available to them.	10/14/2021	10/14/2021	3194810	Emily Bell	dist	1	IFAS-Invasive Species Team (Online)
3	31948	Invasive Species Training Module and Emerging Issues Webinars - Coral Ardisia	Invasive species are an issue that cut across almost all components of Extension. They impact our natural resources, agricultural or horticultural industries, and even the health and quality of life for Floridians across the state. The purpose of this program is to provide Extension agents with the information and resources they need to conduct programming for and assist clientele with invasive species problems. All webinars are recorded and provided via the IFAS-InvasiveSpecies Team as a package of materials that includes presentation files and additional resources. This program also helps to connect agents	11/4/2021	11/4/2021	3194811	Emily Bell	dist	1	IFAS-Invasive Species Team (Online)

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			directly with specialists and UF resources available to them.							
3	31959	Understanding Recreational Angler Information Gathering Habits and Opinions on Fisheries Management and Data Collection	The presentation will provide the results of a NOAA Fisheries/ECS Federal funded mail survey of Atlantic and Gulf states marine recreational anglers on their attitudes, beliefs, knowledge of, and information sources used to gather information on saltwater recreational fisheries management and data collection issues. The objective of the survey was to better understand recreational angler attitudes and beliefs on recreational fisheries management and data collection issues and how information sources are used to develop those attitudes and beliefs. Survey results have important implications for Florida Sea Grant extension work focused on marine recreational anglers and fisheries management and data collection.	3/15/2021	3/15/2021	3195951	Andrew Ropicki	Dist	1	Webinar
3	31997	How to read sea level rise and climate change information	The goal of this IST is to aiding Extension agents in the development of education and Extension activities related to sea level rise and climate change. This IST introduces sciences behind sea level rise and climate change and online sources and tools that can help find local information associated with the potential sea level rise and climate change issues. Examples are provided that illustrate the use of selected online sources and the types of information that can be obtained from the online sources. This IST may be a first step in preparing Extension agents to help diverse	10/6/2021	10/6/2021	319971	Young Gu Her	Dist	1.5	Online

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			<p>stakeholders and concerned residents to understand sea level rise and climate change issues and their potential impacts so that they can be better prepared for the expected changes.</p>							
3	32038	Saltwater Intrusion and Flooding: Risks on Soils, Plants and Environmental Health	<p>As sea-level rise (SLR) continues, salinity due to saltwater intrusion (SWI) and/or flooding will impact soil health, agricultural production, and the environment. Potential threats of salinity necessitate a further understanding of its impacts on soil health, hydrology, plant productivity, and plant disease as well as environmental quality. Sea-level rise is a particularly significant threat in south Florida where the surface and groundwater resources are hydrologically connected due to the shallow and highly permeable limestone soils. A better understanding of the impacts of salinity and flooding due to SWI on soil-plant and environmental health is critical to developing and implementing successful mitigation strategies. Healthy soils have multifaceted benefits and enhance agricultural productivity. Some of the benefits of healthy soils include regulating the flow of water, serving as a source and sink of nutrients, and providing optimal biological and chemical conditions for plant growth and agricultural productivity.</p> <p>This IST will focus on training extension agents about aspects of soil, water, and plant sampling, and</p>	6/9/2022	6/9/2022	320381	Haimanote Bayabil	dist	2.5	Online

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			measurement techniques that can be used to evaluate soil health and environmental impacts of soil flooding with seawater, understanding the effects of soil salinity on vegetable disease, and plants response to salinity and flooding. This IST contributes to the University of Florida's Extension Roadmap High-Priority Initiatives (#2) Enhancing and protecting water quality, quantity, and supply and (#3) Enhancing and conserving Florida's natural resources and environmental quality.							
3	32049	Invasive Species Training Module and Emerging Issues Webinars - Pythons	Invasive species are an issue that cut across almost all components of Extension. They impact our natural resources, agricultural and horticultural industries, and even the health and quality of life for Floridians across the state. The purpose of this program is to provide Extension agents with the information and resources they need to conduct programming for and assist clientele with invasive species problems. All webinars are recorded and provided via the IFAS-InvasiveSpecies Team as a package of materials that includes presentation files and additional resources. This program also helps to connect agents directly with specialists and UF resources available to them.	1/18/2022	1/18/2022	320491	Emily Bell	dist	1	IFAS-InvasiveSpecies Team (Online)
3	32049	Invasive Species Training Module and Emerging Issues Webinars - Coyotes	Invasive species are an issue that cut across almost all components of Extension. They impact our natural resources, agricultural and horticultural industries, and even the health and quality of life for Floridians	2/10/2022	2/10/2022	320492	Emily Bell	dist	1	IFAS-InvasiveSpecies Team (Online)

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			across the state. The purpose of this program is to provide Extension agents with the information and resources they need to conduct programming for and assist clientele with invasive species problems. All webinars are recorded and provided via the IFAS-InvasiveSpecies Team as a package of materials that includes presentation files and additional resources. This program also helps to connect agents directly with specialists and UF resources available to them.							
3	32049	Invasive Species Training Module and Emerging Issues Webinars - Rhesus Macaques	Invasive species are an issue that cut across almost all components of Extension. They impact our natural resources, agricultural and horticultural industries, and even the health and quality of life for Floridians across the state. The purpose of this program is to provide Extension agents with the information and resources they need to conduct programming for and assist clientele with invasive species problems. All webinars are recorded and provided via the IFAS-InvasiveSpecies Team as a package of materials that includes presentation files and additional resources. This program also helps to connect agents directly with specialists and UF resources available to them.	3/17/2022	3/17/2022	320493	Emily Bell	dist	1	IFAS-InvasiveSpecies Team (Online)
3	32049	Invasive Species Training Module and Emerging Issues Webinars - Green Iguanas	Invasive species are an issue that cut across almost all components of Extension. They impact our natural resources, agricultural and horticultural industries, and even the health and quality of life for Floridians across the state. The purpose of this	4/21/2022	4/21/2022	320494	Emily Bell	dist	1	IFAS-InvasiveSpecies Team (Online)

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Initiative	IST Num	Title	Purpose and Objective	Start Date	End Date	Session ID	Faculty Lead	Type	Hours	Location
			program is to provide Extension agents with the information and resources they need to conduct programming for and assist clientele with invasive species problems. All webinars are recorded and provided via the IFAS-InvasiveSpecies Team as a package of materials that includes presentation files and additional resources. This program also helps to connect agents directly with specialists and UF resources available to them.							
3	32049	Invasive Species Training Module and Emerging Issues Webinars - FL Plant Lists and the UF IFAS Assessment	Invasive species are an issue that cut across almost all components of Extension. They impact our natural resources, agricultural and horticultural industries, and even the health and quality of life for Floridians across the state. The purpose of this program is to provide Extension agents with the information and resources they need to conduct programming for and assist clientele with invasive species problems. All webinars are recorded and provided via the IFAS-InvasiveSpecies Team as a package of materials that includes presentation files and additional resources. This program also helps to connect agents directly with specialists and UF resources available to them.	5/12/2022	5/12/2022	320495	Emily Bell	dist	1	IFAS-InvasiveSpecies Team (Online)
3	32049	Invasive Species Training Module and Emerging Issues Webinars - Feral Hogs	Invasive species are an issue that cut across almost all components of Extension. They impact our natural resources, agricultural and horticultural industries, and even the health and quality of life for Floridians across the state. The purpose of this program is to provide Extension	6/9/2022	6/9/2022	320496	Emily Bell	dist	1	IFAS-InvasiveSpecies Team (Online)

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			agents with the information and resources they need to conduct programming for and assist clientele with invasive species problems. All webinars are recorded and provided via the IFAS-InvasiveSpecies Team as a package of materials that includes presentation files and additional resources. This program also helps to connect agents directly with specialists and UF resources available to them.							
3	32049	Invasive Species Training Module and Emerging Issues Webinars - The land snail Bulimulus sporadicus	Invasive species are an issue that cut across almost all components of Extension. They impact our natural resources, agricultural and horticultural industries, and even the health and quality of life for Floridians across the state. The purpose of this program is to provide Extension agents with the information and resources they need to conduct programming for and assist clientele with invasive species problems. All webinars are recorded and provided via the IFAS-InvasiveSpecies Team as a package of materials that includes presentation files and additional resources. This program also helps to connect agents directly with specialists and UF resources available to them.	7/14/2022	7/14/2022	320497	Emily Bell	dist	1	IFAS-InvasiveSpecies Team (Online)
3	32049	Invasive Species Training Module and Emerging Issues Webinars - Camphor tree	Invasive species are an issue that cut across almost all components of Extension. They impact our natural resources, agricultural and horticultural industries, and even the health and quality of life for Floridians across the state. The purpose of this program is to provide Extension agents with the information and	8/11/2022	8/11/2022	320498	Emily Bell	dist	1	IFAS-InvasiveSpecies Team (Online)

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Initiative	IST Num	Title	Purpose and Objective	Start Date	End Date	Session ID	Faculty Lead	Type	Hours	Location
			resources they need to conduct programming for and assist clientele with invasive species problems. All webinars are recorded and provided via the IFAS-InvasiveSpecies Team as a package of materials that includes presentation files and additional resources. This program also helps to connect agents directly with specialists and UF resources available to them.							
3	32049	Invasive Species Training Module and Emerging Issues Webinars - Armored Catfish	Invasive species are an issue that cut across almost all components of Extension. They impact our natural resources, agricultural and horticultural industries, and even the health and quality of life for Floridians across the state. The purpose of this program is to provide Extension agents with the information and resources they need to conduct programming for and assist clientele with invasive species problems. All webinars are recorded and provided via the IFAS-InvasiveSpecies Team as a package of materials that includes presentation files and additional resources. This program also helps to connect agents directly with specialists and UF resources available to them.	9/15/2022	9/15/2022	320499	Emily Bell	dist	1	IFAS-InvasiveSpecies Team (Online)
3	32049	Invasive Species Training Module and Emerging Issues Webinars - Torpedo grass	Invasive species are an issue that cut across almost all components of Extension. They impact our natural resources, agricultural and horticultural industries, and even the health and quality of life for Floridians across the state. The purpose of this program is to provide Extension agents with the information and resources they need to conduct	10/13/2022	10/13/2022	3204910	Emily Bell	dist	1	IFAS-InvasiveSpecies Team (Online)

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			programming for and assist clientele with invasive species problems. All webinars are recorded and provided via the IFAS-InvasiveSpecies Team as a package of materials that includes presentation files and additional resources. This program also helps to connect agents directly with specialists and UF resources available to them.							
3	32051	FLREC Invasive species In Service Training	This IST covers a high priority initiative: Enhancing and conserving Florida's natural resources and environmental quality. This IST will improve agent comprehension of the problems caused by invasive species and will also allow agents to get to know invasive species specialists housed at FLREC.	6/14/2022	6/15/2022	320511	Dail Laughinghouse	trad	12.5	Ft Lauderdale REC
3	32061	Training on and an introduction to the Climate Smart Floridians program curriculum	The target audience for this IST are Extension faculty interested in learning more about what individuals can do to help mitigate and adapt to climate change, with a focus on reducing their greenhouse gas emissions. This IST will introduce participants to the material and demonstrate how curriculum materials can be accessed/viewed online. This IST will be offered via two 3-hour Zoom or Teams webinar presentations. One of these webinars will occur March 22, 2022 9:00am-12:00pm ET and the other will occur April 19, 2022 1:00pm-4:00pm ET. This will give interested Extension professionals two opportunities to attend the IST and allow for greater participation. You only need to	3/22/2022	3/22/2022	320611	Holly Abeels	dist	3	Virtual

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			register for one session since both sessions will cover the same materials.							
3	32061	Training on and an introduction to the Climate Smart Floridians program curriculum	<p>The target audience for this IST are Extension faculty interested in learning more about what individuals can do to help mitigate and adapt to climate change, with a focus on reducing their greenhouse gas emissions. This IST will introduce participants to the material and demonstrate how curriculum materials can be accessed/viewed online.</p> <p>This IST will be offered via two 3-hour Zoom or Teams webinar presentations. One of these webinars will occur March 22, 2022 9:00am-12:00pm ET and the other will occur April 19, 2022 1:00pm-4:00pm ET. This will give interested Extension professionals two opportunities to attend the IST and allow for greater participation. You only need to register for one session since both sessions will cover the same materials.</p>	4/19/2022	4/19/2022	320612	Holly Abeels	dist	3	Virtual
3	32091	Eyes on Seagrass: A Community Science Seagrass and Macroalgae Monitoring Program	<p>The overall objective of this In-Service Training is to introduce participants to the field and data analysis methods associated with the Eyes on Seagrass program in order to facilitate the growth of the program around the state.</p> <p>Specific objectives of this course are to equip participants with:</p> <ul style="list-style-type: none"> • knowledge about seagrass community science monitoring programs 	7/13/2022	7/14/2022	320911	Ashley Smyth	trad	8	Marine Science Station, Crystal River, FL

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			<ul style="list-style-type: none"> skills and knowledge to collect, properly prepare, process and manage data and samples for additional analysis hands-on experience on different seagrass monitoring techniques information to identify macroalgae species advice on site selection and gear construction tools to recruit and manage volunteers a framework to evaluate the success of the program <p>At the end of this IST participants would be able to:</p> <ul style="list-style-type: none"> Describe commonly used parameters and identify standard methods for seagrass and macroalgae monitoring Interpret and analyze data from seagrass monitoring efforts Understand the benefits and limitations of various community science programs 							
3	32092	CFEE IST 2021: Making the most of the marine fishing information documents	<p>The CFEE acronym stands for "Coastal and Freshwater Extension Enhancement" and it is a multi-disciplinary Extension program that uses State Specialist expertise to transform available data that are hard to access, analyze, and interpret into locally-relevant, accessible documents and reports that county faculty and agents can use to better serve their end users. For example, in 2021, faculty from SFFGS and FRE worked together to use NOAA-generated data on fisheries and detailed information</p>	3/1/2022	3/1/2022	320921	Edward Camp	dist	2	Zoom

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			<p>from the IMPLAN software to produce county-specific estimates of the economic contribution of marine recreational fishing to each coastal county in Florida. Economic contribution includes things like the total amount of spending from an activity, accounting for additional rounds of spending (total direct output), and employment (jobs). This information can be used by county faculty to</p> <ul style="list-style-type: none"> (i) help local governments (e.g., boards of county commissioners) make decisions policies that affect fishing in their counties, like funding, advertising, access, and local regulations, (ii) help the fishing industry effectively demonstrate the importance of their sector to the county (iii) better describe the agents impact in terms of actual and credibly calculated dollars and jobs. 							
3	32109	Implication of sea level rise and climate change on agriculture and water resources in Florida	<p>This IST introduces the sciences behind sea level rise and climate change and recent findings of their impacts. This IST is expected to help Extension agents better understand the implications of the changes on agriculture and water resources in Florida and prepare educational materials for stakeholders and concerned residents.</p>	5/25/2022	5/25/2022	321091	Young Gu Her	dist	1	Online
3	32169	The Fungus Among Us: Mushroom Biology, Identification and Programming for Extension Agents	<p>Agents will learn mushroom identification in two settings. Primarily, the group will explore a natural area and participate in a field identification practice and examine</p>	6/20/2023	6/21/2023	321691	Alyssa Vinson	trad	8	Gainesville, FL

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			the contexts of mushroom growth in natural environments. The second part of this IST will teach agents how to utilize microscopes to carry out mushroom identification in the Gainesville Mycology lab. The two facets of this program are designed to help agents better identify mushrooms in their natural environments to support master gardener volunteers, plant desks, horticulture, and natural resource agents. Agents will be given the opportunity to meet research staff. This is part one of a two-part series designed to improve agents' mushroom knowledge and provide resources for mushroom program development.							
4	31930	Empowering Floridians to Save Home Energy, Water, and Money	This training, "Empowering Floridians to Save Home Energy, Water, and Money", will provide an overview of home energy and water conservation and its importance for homeowners, renters, utilities, and other affected stakeholders; discuss tools and approaches that can be integrated directly with Extension programs to support home energy and water conservation and efficiency goals; present results of follow-up and impact studies from existing programs; and discuss the basic steps needed to implement home energy and water conservation programs. The IST goal is to introduce attendees to opportunities to strengthen capacity for local delivery of programs that empower local residents to make informed decisions when managing their home energy and water systems,	2/4/2021	2/4/2021	319301	Paul Monaghan	Dist	2	Online

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Initiative	IST Num	Title	Purpose and Objective	Start Date	End Date	Session ID	Faculty Lead	Type	Hours	Location
			<p>saving both resources and money over time.</p> <p>Participants can choose from two dates in 2021 to attend this IST as a 2-hour Zoom webinar on Thursday, February 4th from 1:00-3:00pm or Friday, February 26 from 10:00am-12:00pm.</p> <p>Learning Objectives: Following IST participation, agents will be able to:</p> <p>Articulate the importance of home energy and water conservation and its relevance to the Super Issues and High Priority Initiatives of the Florida Extension Roadmap;</p> <p>Identify opportunities to develop home energy and water conservation programs through local partnerships adapted to a county’s local context;</p> <p>Identify approaches and steps to develop such programs in any Florida community, to empower and educate residents to manage their home systems more efficiently over time;</p> <p>Consider the most appropriate tool(s) to evaluate outcomes and impacts of energy and water conservation efforts, and determine the primary indicators to measure success;</p> <p>Identify two to three (2-3) programming activities that could be developed as steps to establish a home energy and conservation program in their own counties or regions.</p>							

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Initiative	IST Num	Title	Purpose and Objective	Start Date	End Date	Session ID	Faculty Lead	Type	Hours	Location
4	31930	Empowering Floridians to Save Home Energy, Water, and Money	<p>This training, “Empowering Floridians to Save Home Energy, Water, and Money”, will provide an overview of home energy and water conservation and its importance for homeowners, renters, utilities, and other affected stakeholders; discuss tools and approaches that can be integrated directly with Extension programs to support home energy and water conservation and efficiency goals; present results of follow-up and impact studies from existing programs; and discuss the basic steps needed to implement home energy and water conservation programs. The IST goal is to introduce attendees to opportunities to strengthen capacity for local delivery of programs that empower local residents to make informed decisions when managing their home energy and water systems, saving both resources and money over time.</p> <p>Participants can choose from two dates in 2021 to attend this IST as a 2-hour Zoom webinar on Thursday, February 4th from 1:00-3:00pm or Friday, February 26 from 10:00am-12:00pm.</p> <p>Learning Objectives: Following IST participation, agents will be able to:</p> <p>Articulate the importance of home energy and water conservation and its relevance to the Super Issues and High Priority Initiatives of the Florida Extension Roadmap;</p>	2/26/2021	2/26/2021	319301	Paul Monaghan	Dist	2	Online

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Initiative	IST Num	Title	Purpose and Objective	Start Date	End Date	Session ID	Faculty Lead	Type	Hours	Location
			<p>Identify opportunities to develop home energy and water conservation programs through local partnerships adapted to a county’s local context; Identify approaches and steps to develop such programs in any Florida community, to empower and educate residents to manage their home systems more efficiently over time; Consider the most appropriate tool(s) to evaluate outcomes and impacts of energy and water conservation efforts, and determine the primary indicators to measure success; Identify two to three (2-3) programming activities that could be developed as steps to establish a home energy and conservation program in their own counties or regions.</p>							
5	31936	Dairy From the Table to the Farm: Dairy Programming Across the Disciplines -Dairy Nutrition and Recipe Demonstrations	<p>This virtual series will provide county faculty with training on educational programs and resources offered through the Florida Dairy Farmers Association. Each session will include discussion inviting agents to share experiences using materials and dialogue about opportunities to partner.</p> <p>Nutrition, Culinary and Recipe demonstrations Participants will learn about the nutrition of dairy foods including milk and milk alternatives, whey protein, dairy allergies and lactose intolerance. Florida Dairy will share resources available for Extension Agents to use in nutrition education. Agents will demonstrate cheese making and share</p>	4/8/2021	4/8/2021	319361	Kendra M Zamojski	dist	2.5	Zoom

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Initiative	IST Num	Title	Purpose and Objective	Start Date	End Date	Session ID	Faculty Lead	Type	Hours	Location
			successful programming with adults and youth.							
5	31936	Dairy From the Table to the Farm: Dairy Programming Across the Disciplines -Youth Wellness and In-School Programs	<p>This virtual series will provide county faculty with training on educational programs and resources offered through the Florida Dairy Farmers Association. Each session will include discussion inviting agents to share experiences using materials and dialogue about opportunities to partner.</p> <p>Youth Wellness and In-school Programs Participants will learn about the Fuel Up to Play 60 program and other Florida Dairy resources for in-school and youth programming. Participants will learn about the nutrition of school meals and easy and healthy snacks for 4-H club meetings. A panel will discuss 4-H youth opportunities in Dairy and Dairy 4-H programming.</p>	4/22/2021	4/22/2021	319362	Kendra M Zamojski	dist	2.5	Zoom
5	31936	Dairy From the Table to the Farm: Dairy Programming Across the Disciplines - Food Waste, Food Insecurity, and Sustainability	<p>This virtual series will provide county faculty with training on educational programs and resources offered through the Florida Dairy Farmers Association. Each session will include discussion inviting agents to share experiences using materials and dialogue about opportunities to partner.</p> <p>Sustainability, Food Waste and Insecurity This session will feature an on-farm tour or a virtual farm tour.</p>	5/13/2021	5/13/2021	319363	Kendra M Zamojski	mixt	2.5	Zoom, if possible an on-site farm tour

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Initia tive	IST Num	Title	Purpose and Objective	Start Date	End Date	Session ID	Faculty Lead	Type	Hours	Location
			Participants will learn about food waste from a farming perspective and ways to cook using food parts that tend to be thrown out. Participants will learn about the National Dairy Management goals and the versatility of dairy foods.							
5	31936	Dairy From the Table to the Farm: Dairy Programming Across the Disciplines	Session 4 of the Dairy From the Table to the Farm: Dairy Programming Across the Disciplines	Canceled	Canceled	319364	Kendra M Zamojski	trad	2.5	Jackson County
5	31952	Prevent T2 - National Diabetes Prevention Program (NDPP) - Lifestyle Coach Training	<p>In the US, 86 million people (more than a third of the population) have prediabetes, placing them at high risk of getting diabetes within five years if they take no action to prevent it. Critically, nine in ten adults with prediabetes are unaware of their condition. Increasing the number of people who are aware that they have prediabetes and who participate in an evidence-based diabetes prevention program can greatly reduce the prevalence of diabetes and the health complications and costs associated with this disease.</p> <p>The Prevent T2 National Diabetes Prevention Program (NDPP) Lifestyle Coach Training is a dynamic, interactive training that gives Lifestyle Coach trainees the knowledge, skills, and experience they need to facilitate the CDC's Prevent T2 NDPP lifestyle change program. As a result of participating in this training, Lifestyle Coach trainees will:</p>	8/17/2021	8/19/2021	319521	LaToya O'Neal	dist	16	Zoom

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Initia tive	IST Num	Title	Purpose and Objective	Start Date	End Date	Session ID	Faculty Lead	Type	Hours	Location
			<p>increase their knowledge about the Prevent T2 content and strategies for lifestyle change;</p> <p>increase their confidence in delivering the lifestyle change program in adherence to the Prevent T2 curriculum;</p> <p>increase their confidence in facilitating Prevent T2 groups to optimize social interaction, shared learning, and group cohesion; and</p> <p>commit to beginning at least one Prevent T2 class in 2021-2022.</p>							
5	31989	Elements of Healthy Aging - Greater Protein Intakes are Associated with Improved Body Composition	<p>The purpose is to provide convenient, evidence-based training by webinar on the lifestyle choices and healthy aging to increase knowledge, abilities, and confidence of FCS Extension educators to deliver programming in this area.</p> <p>The objectives of the first session are to:</p> <p>Describe when more protein is needed during the lifespan, how much, and from what sources.</p> <p>Describe the synergistic role of exercise and dietary-protein to counteract sarcopenia.</p> <p>Objectives for sessions 2-4 are forthcoming.</p>	5/11/2021	5/11/2021	319891	Wendy Dahl	Dist	1	Zoom Webinar
5	31989	Elements of Healthy Aging - Are Vitamin/Mineral Supplements Necessary for Healthy Aging?	<p>The purpose is to provide convenient, evidence-based training by webinar on the lifestyle choices and healthy aging to increase knowledge, abilities, and confidence of FCS Extension educators to deliver programming in this area.</p>	6/8/2021	6/8/2021	319892	Wendy Dahl	Dist	1	Zoom Webinar

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Initiative	IST Num	Title	Purpose and Objective	Start Date	End Date	Session ID	Faculty Lead	Type	Hours	Location
			<p>The objectives of the first session are to:</p> <p>Describe when more protein is needed during the lifespan, how much, and from what sources.</p> <p>Describe the synergistic role of exercise and dietary-protein to counteract sarcopenia.</p> <p>Objectives for sessions 2-4 are forthcoming.</p>							
5	31989	Elements of Healthy Aging -The New Dietary Guidelines for Americans: Recommendations for Adults for Healthy Aging	<p>The purpose is to provide convenient, evidence-based training by webinar on the lifestyle choices and healthy aging to increase knowledge, abilities, and confidence of FCS Extension educators to deliver programming in this area.</p> <p>The objectives of the first session are to:</p> <p>Describe when more protein is needed during the lifespan, how much, and from what sources.</p> <p>Describe the synergistic role of exercise and dietary-protein to counteract sarcopenia.</p> <p>Objectives for sessions 2-4 are forthcoming.</p>	7/13/2021	7/13/2021	319893	Wendy Dahl	Dist	1	Zoom Webinar
5	31989	Elements of Healthy Aging - Building Bodies and Balance: Healthy aging Extension programs	<p>The purpose is to provide convenient, evidence-based training by webinar on the lifestyle choices and healthy aging to increase knowledge, abilities, and</p>	7/27/2021	7/27/2021	319894	Wendy Dahl	Dist	1	Zoom Webinar

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Initiative	IST Num	Title	Purpose and Objective	Start Date	End Date	Session ID	Faculty Lead	Type	Hours	Location
			<p>confidence of FCS Extension educators to deliver programming in this area.</p> <p>The objectives of the first session are to:</p> <p>Describe when more protein is needed during the lifespan, how much, and from what sources.</p> <p>Describe the synergistic role of exercise and dietary-protein to counteract sarcopenia.</p> <p>Objectives for sessions 2-4 are forthcoming.</p>							
5	31991	Working through the IRB: A Health and Wellness program application – Nuts and Bolts Basics	<p>The purpose of this 3-part series is to provide FCS agents with a thorough understanding of the Institutional Review Board (IRB) process as it relates to community education programming.</p> <p>Objectives:</p> <p>Attendees will:</p> <ol style="list-style-type: none"> 1. Describe the purpose of IRB approval and the criteria for human research 2. Apply the steps of an IRB application for a sample research protocol 3. Apply informed consent procedures 4. Describe the processes involved in collecting and storing personal health information 	7/16/2021	7/16/2021	319911	Wendy Dahl	dist	1	Zoom

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Initiative	IST Num	Title	Purpose and Objective	Start Date	End Date	Session ID	Faculty Lead	Type	Hours	Location
5	31991	Working through the IRB: A Health and Wellness program application – Sample Submission Guidance	<p>The purpose of this 3-part series is to provide FCS agents with a thorough understanding of the Institutional Review Board (IRB) process as it relates to community education programming.</p> <p>Objectives:</p> <p>Attendees will:</p> <ol style="list-style-type: none"> 1. Describe the purpose of IRB approval and the criteria for human research 2. Apply the steps of an IRB application for a sample research protocol 3. Apply informed consent procedures 4. Describe the processes involved in collecting and storing personal health information 	7/23/2021	7/23/2021	319912	Wendy Dahl	dist	1	Zoom
5	31991	Working through the IRB: A Health and Wellness program application – Collecting Personal Health Information	<p>The purpose of this 3-part series is to provide FCS agents with a thorough understanding of the Institutional Review Board (IRB) process as it relates to community education programming.</p> <p>Objectives:</p> <p>Attendees will:</p> <ol style="list-style-type: none"> 1. Describe the purpose of IRB approval and the criteria for human research 	7/30/2021	7/30/2021	319913	Wendy Dahl	dist	1	Zoom

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Initiative	IST Num	Title	Purpose and Objective	Start Date	End Date	Session ID	Faculty Lead	Type	Hours	Location
			<p>2. Apply the steps of an IRB application for a sample research protocol</p> <p>3. Apply informed consent procedures</p> <p>4. Describe the processes involved in collecting and storing personal health information</p>							
5	32017	Florida Cottage Food Updates and Food Safety Concerns	<p>The purpose of this IST is to update faculty on the changes to the Florida Cottage Food requirements from the Home Sweet Home Act and to review basic food safety principles that should be included in future workshops. The objective of this workshop is to increase faculty knowledge and understanding of these topics so they may be better suited to conduct related program activities. Furthermore, this IST seeks to provide an opportunity for agents to meet and discuss these topics, build relationships and provide a standard for Cottage Food related workshops to be conducted around the state.</p>	9/24/2021	9/24/2021	320171	Matt Krug	dist	4	Virtual
5	32063	Food Safety and Regulations in Commercial Kitchens	<p>This IST is a product of the USDA-NIFA funded project titled “Enhancing Food Safety Practices and Introducing FSMA Regulations Through Hands-on Activities in Shared-Use Commercial Kitchens Across Florida” which has designed food safety and regulatory workshops targeted towards beginning food entrepreneurs who work out of shared-commercial kitchens.</p>	10/26/2022	10/27/2022	320631	Matt Krug	trad	10	Orange County Extension Office/East End Market - Orlando

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			The second day of the IST will include a panel discussion with FDACS and DBPR regulators and a site visit to the East End Market; a neighborhood food hall home to a dozen merchants, an event space, a demonstration kitchen, an incubator kitchen, offices, retail shops, including a restaurant.							
5	32075	Cancer: The Science of Prevention and Survival - Cancer Update	The purpose of this IST is to provide FCS agents with an update on Cancer for Extension programming. Objectives are: to discuss current cancer statistics, screening and prevention, diet and lifestyle recommendations for survivorship, and to share cancer program resources for Extension application.	1/18/2022	1/18/2022	320751	Wendy Dahl	Dist	1	Zoom
5	32075	Cancer: The Science of Prevention and Survival - Cancer Screening and Prevention	The purpose of this IST is to provide FCS agents with an update on Cancer for Extension programming. Objectives are: to discuss current cancer statistics, screening and prevention, diet and lifestyle recommendations for survivorship, and to share cancer program resources for Extension application.	2/15/2022	2/15/2022	320752	Wendy Dahl	Dist	1	Zoom
5	32075	Cancer: The Science of Prevention and Survival - Cancer Survivorship - Diet and Lifestyle	The purpose of this IST is to provide FCS agents with an update on Cancer for Extension programming. Objectives are: to discuss current cancer statistics, screening and prevention, diet and lifestyle recommendations for survivorship, and to share cancer program resources for Extension application.	3/15/2022	3/15/2022	320753	Wendy Dahl	Dist	1	Zoom

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Initia tive	IST Num	Title	Purpose and Objective	Start Date	End Date	Session ID	Faculty Lead	Type	Hours	Location
5	32075	Cancer: The Science of Prevention and Survival - Cancer Resources and Extension Application	<p>The purpose of this IST is to provide FCS agents with an update on Cancer for Extension programming.</p> <p>Objectives are: to discuss current cancer statistics, screening and prevention, diet and lifestyle recommendations for survivorship, and to share cancer program resources for Extension application.</p>	4/19/2022	4/19/2022	320754	Wendy Dahl	Dist	1	Zoom
5	32077	Strategies for Advancing Equity in Florida Extension: Using a Systems Level Framework to Promote Collaborative Programming - Adopting the National Cooperative Extension (CE) Health Equity and Well-being Framework	<p>In this multi-session in-service training, we will introduce Florida Extension Professionals to the new Cooperative Extension Framework for Health Equity and Well-being. The new national framework promotes healthy equity as a core value and provides five high-level recommendations to advance systems level change. Participants will engage educational content in the areas of social determinants of health, data and translational science, and community develop. Additionally, participants will utilize various tools to identify relevant issues within their districts, explore cooperative extension strategies for advancing equity, and develop a collaborative action plan that will contribute to the achievement of health equity through Florida Extension. This IST is open to Extension Professionals across all programming areas. Participants are encouraged to attend all three sessions.</p>	2/1/2022	2/1/2022	320771	LaToya J O'Neal	dist	2.5	Zoom

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Initiative	IST Num	Title	Purpose and Objective	Start Date	End Date	Session ID	Faculty Lead	Type	Hours	Location
5	32077	Strategies for Advancing Equity in Florida Extension: Using a Systems Level Framework to Promote Collaborative Programming - Developing a Model for Systems Change	In this multi-session in-service training, we will introduce Florida Extension Professionals to the new Cooperative Extension Framework for Health Equity and Well-being. The new national framework promotes healthy equity as a core value and provides five high-level recommendations to advance systems level change. Participants will engage educational content in the areas of social determinants of health, data and translational science, and community develop. Additionally, participants will utilize various tools to identify relevant issues within their districts, explore cooperative extension strategies for advancing equity, and develop a collaborative action plan that will contribute to the achievement of health equity through Florida Extension. This IST is open to Extension Professionals across all programming areas. Participants are encouraged to attend all three sessions.	3/1/2022	3/1/2022	320772	LaToya J O'Neal	dist	2.5	Zoom
5	32077	Strategies for Advancing Equity in Florida Extension: Using a Systems Level Framework to Promote Collaborative Programming - Integrating a Community Development Model for Health Equity and Well-being in Florida	In this multi-session in-service training, we will introduce Florida Extension Professionals to the new Cooperative Extension Framework for Health Equity and Well-being. The new national framework promotes healthy equity as a core value and provides five high-level recommendations to advance systems level change. Participants will engage educational content in the areas of social determinants of health, data and translational science, and community develop. Additionally, participants will	3/29/2022	3/29/2022	320773	LaToya J O'Neal	dist	2.5	Zoom

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			utilize various tools to identify relevant issues within their districts, explore cooperative extension strategies for advancing equity, and develop a collaborative action plan that will contribute to the achievement of health equity through Florida Extension. This IST is open to Extension Professionals across all programming areas. Participants are encouraged to attend all three sessions.							
5	32086	Build Your Bones - Curriculum Training	The purpose of this IST is to increase knowledge, skills, and experience of trainees for successful implementation of the Build Your Bones curriculum. Objectives: Participants will <ul style="list-style-type: none"> • Increase knowledge of the Build Your Bones program. • Increase competencies in delivering the Build Your Bones program. • Commit to delivering at least one Build Your Bones program in 2022-2023. 	2/24/2022	2/24/2022	320861	Wendy Dahl	dist	2	Zoom
5	32099	Rural Telehealth Initiative - Update, Training and Reporting	The Rural Telehealth Initiative will further enhance rural access to university resources and position the Extension office as a hub for services that improve quality of life and well-being. This training will provide participating counties in the Rural Telehealth Initiative: a background of the project, roles and expectations for participating counties, process for appointments and patient interaction, resources available, and reporting.	3/30/2022	3/30/2022	320991	Wendy Lynch	dist	1.5	Zoom

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			<p>Objectives: Extension faculty and/or staff will: 1. learn how to operate the TytoPro™ device (telemedicine equipment). 2. identify the steps a patient will take during the telehealth visit. 3. locate the required training for participating sites.</p>							
5	32117	Toward Permanent Weight Management: Program Updates and Implementation Training	<p>Overweight and obesity are global public health issues that affect individuals from all backgrounds. Despite public health efforts to reduce the prevalence of obesity, rates of overweight/obesity have continued to increase suggesting that alternative methods are warranted. This IST will introduce FCS faculty to Toward Permanent Weight Management, a series-based educational program designed to help participants adopt healthier lifestyle behaviors. This program focuses on incorporating nutrition and physical activity components for weight management while merging participants' commitment to change with the necessary tools and knowledge to succeed.</p> <p>Following this IST, participants will: 1) Describe the state of overweight/obesity in the US and Florida 2) Examine the importance of healthy lifestyles for weight management 3) Develop strategies for addressing social determinants of health among health disparities populations 4) Collaborate with local partners to integrate at least one health equity</p>	5/17/2022	5/17/2022	321171	LaToya J. O'Neal	dist	2.5	Virtual

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			strategy during implementation of the TPWM program							
5	32125	Mental Health First Aid for Youth: Learn the Skills to Respond to the Signs of Mental Illness and Substance Use	Learn to understand: <ul style="list-style-type: none"> • The mission of Mental Health First Aid • Mental Health and Mental Illness in Youth • Typical Adolescent Development • Signs and Symptoms of Mental Disorders in Youth 	6/1/2022	6/1/2022	321251	Kendra Hughson	Dist	8	Virtual
5	32125	Mental Health First Aid for Youth: Learn the Skills to Respond to the Signs of Mental Illness and Substance Use	Learn to understand: <ul style="list-style-type: none"> • The mission of Mental Health First Aid • Mental Health and Mental Illness in Youth • Typical Adolescent Development • Signs and Symptoms of Mental Disorders in Youth 	7/6/2022	7/6/2022	321252	Kendra Hughson	Dist	8	Virtual
5	32125	Mental Health First Aid for Youth: Learn the Skills to Respond to the Signs of Mental Illness and Substance Use	Learn to understand: <ul style="list-style-type: none"> • The mission of Mental Health First Aid • Mental Health and Mental Illness in Youth • Typical Adolescent Development • Signs and Symptoms of Mental Disorders in Youth 	8/24/2022	8/24/2022	321253	Kendra Hughson	Dist	8	Virtual
5	32126	Food Safety and Quality Updates 2022 - Food safety regulatory updates	This training will provide county Extension faculty with research based information, and educational strategies and materials to support educational programs that address critical and timely issues in food safety and quality/food preservation, as well as regulatory requirements. These	4/27/2022	4/27/2022	321261	Amarat (Amy) Simonne	dist	2.5	Zoom

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Initia tive	IST Num	Title	Purpose and Objective	Start Date	End Date	Session ID	Faculty Lead	Type	Hours	Location
			<p>subject areas are essential for programs in home food preservation, food entrepreneurship and other food business classes. Participants will: 1) increase knowledge about food safety and quality subject matter and behavior change strategies; 2) increased knowledge in the area of regulations effecting food safety and quality, and 3) be motivated to use educational materials and strategies provided to address critical issues in food safety and quality in their counties.</p>							
5	32126	Food Safety and Quality Updates 2022 - What you need to know about low acid foods	<p>This training will provide county Extension faculty with research based information, and educational strategies and materials to support educational programs that address critical and timely issues in food safety and quality/food preservation, as well as regulatory requirements. These subject areas are essential for programs in home food preservation, food entrepreneurship and other food business classes. Participants will: 1) increase knowledge about food safety and quality subject matter and behavior change strategies; 2) increased knowledge in the area of regulations effecting food safety and quality, and 3) be motivated to use educational materials and strategies provided to address critical issues in food safety and quality in their counties.</p>	9/21/2022	9/21/2022	321262	Amarat (Amy) Simonne	dist	2.5	Zoom

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Initiative	IST Num	Title	Purpose and Objective	Start Date	End Date	Session ID	Faculty Lead	Type	Hours	Location
5	32126	Food Safety and Quality Updates 2022 - Food Safety for Volunteer and Non-profit Organizations	This training will provide county Extension faculty with research based information, and educational strategies and materials to support educational programs that address critical and timely issues in food safety and quality/food preservation, as well as regulatory requirements. These subject areas are essential for programs in home food preservation, food entrepreneurship and other food business classes. Participants will: 1) increase knowledge about food safety and quality subject matter and behavior change strategies; 2) increased knowledge in the area of regulations effecting food safety and quality, and 3) be motivated to use educational materials and strategies provided to address critical issues in food safety and quality in their counties.	10/12/2022	10/12/2022	321263	Amarat (Amy) Simonne	dist	2.5	Zoom
5	32135	Canning with Confidence: Water Bath Canning and an Introduction to Pressure Canning	<i>Canning with Confidence</i> is a home food preservation training program for new county faculty and those needing a refresher in safe, home canning practices. The program will provide research-based recommendations for canning procedures with a hands-on lab to build confidence in delivering home food preservation classes. Participants will increase: 1) knowledge of self-reliant food systems practices, specifically water bath and pressure canning. 2) confidence of self-reliant food systems practices (water bath and	8/23/2022	8/23/2022	321351	Amy Simonne	trad	4.5	UF/IFAS Extension Alachua County, 22712 W Newberry Road, Newberry, FL 32669

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			pressure canning). Participants will commit to teaching at least two home food preservation classes within the next 6-months following the training.							
5	32135	Canning with Confidence: Water Bath Canning and an Introduction to Pressure Canning	<p><i>Canning with Confidence</i> is a home food preservation training program for new county faculty and those needing a refresher in safe, home canning practices. The program will provide research-based recommendations for canning procedures with a hands-on lab to build confidence in delivering home food preservation classes.</p> <p>Participants will increase: 1) knowledge of self-reliant food systems practices, specifically water bath and pressure canning. 2) confidence of self-reliant food systems practices (water bath and pressure canning). Participants will commit to teaching at least two home food preservation classes within the next 6-months following the training.</p>	8/25/2022	8/25/2022	321352	Amy Simonne	dist	1.5	Zoom
5	32176	Is your home making you sick? Addressing lead and radon	<p>One in five Florida homes has elevated radon levels above the action level.</p> <p>Florida is ranked ninth in the country for the number of water systems with excessive lead levels. There are over two million homes in Florida that were built before 1978 and are likely to have lead paint. The multi-family housing stock, between two and 50 apartments, is considerably older</p>	2/8/2023	2/8/2023	321761	Katherine Allen	trad	7	Suwannee Extension Office, 1302 11th St. SW, Live Oak, FL 32064

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Initiative	IST Num	Title	Purpose and Objective	Start Date	End Date	Session ID	Faculty Lead	Type	Hours	Location
			<p>than the single family housing stock.</p> <p>Evidence supports various interventions to prevent and minimize the impact of housing problems on health.</p> <p>This IST will address lead and radon: What they are and how a homeowner would test for them. We will discuss test results and remediation techniques or prevention strategies. From the Healthy Homes partnership grant, we will provide some test kits for agents to use during classes they teach which can start/continue 182 funding. Test results assist in providing impact/outcome data for reporting purposes.</p> <p>Feb. 9 will be a complimentary housing training: Backpacking on the trail to Energy Efficiency and Equity. Must register separately.</p>							
5	32177	Backpacking on the trail to Energy Efficiency and Equity	Rising prices will continue and will require personal budgets to stretch further. Investing in home energy and water efficiency techniques and products can lower the monthly utility bills. According to a study by the Balmoral Group, a 1% increase in participation in Energy Efficiency programs in Florida, could increase disposable income available for other household costs.	2/9/2023	2/9/2023	321771	Katherine Allen	trad	7	Suwannee County Extension office: 1302 11th St. SW, Live Oak, FL 32064

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			<p>Energy costs should not exceed 6% of household income. The lowest income and minority households tend to have less efficient home that lack energy efficient appliances, construction materials and insulation. Residents, especially renters are likely to seek low-cost air conditioning options although they may not be able to afford to operate the units as frequently to maintain comfort. High energy burden creates a steep financial burden, making it difficult to accumulate the wealth necessary to escape fuel poverty.</p> <p>Greater energy burden can cause:</p> <ul style="list-style-type: none"> • higher stress. (IE parents may fear that Child Protective Services may view fuel poverty as grounds to deem their home unsafe for children.) • Increase the incidents of Asthma when households have insufficient heating or cooling. • Increase food security. Low-income households often face a "heat or eat" dilemma. • Increased safety risks when using unsafe heat alternatives like the stove or oven or by not using air conditioning during extreme temperatures. 							

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Initiative	IST Num	Title	Purpose and Objective	Start Date	End Date	Session ID	Faculty Lead	Type	Hours	Location
			<ul style="list-style-type: none"> • Decreased ability to save money. • Housing instability or homelessness when fuel prices rise. <p>This is Day 2 of the Housing IST (Day 1 is Lead/Radon and must be registered for separately.)</p>							
5	32183	All Things Housing...Homeflow Pro: The Virtual and Bilingual Edition	<p>Session 1: (10a-12p) - Homeflow Pro: The Virtual and Bilingual Edition</p> <p>This training is to inform attendees about home maintenance and its complementary component: strengthening relationships among home occupants. It's the Homeflow program brought to an entire virtual platform in both English and Spanish. Now, all county faculty can either learn via the videos that Drs. Cantrell and Harris have pre-recorded and the bilingual Homeflow team has re-recorded, or agents can teach the course itself by blending videos where needed or not using videos at all. Regardless of the method, the national multi-year award-winning (NEAFCS) Homeflow program can now be taught completely online in English or Spanish. This segment shows best practices for how to do so. Leading bilingual Homeflow/Housing agent, Johanna Gomez will join Dr. Cantrell in demonstrating her method of using Homeflow online and in-person as</p>	3/13/2023	3/13/2023	321831	Dr Randy Cantrell	dist	2	Virtual

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Initiative	IST Num	Title	Purpose and Objective	Start Date	End Date	Session ID	Faculty Lead	Type	Hours	Location
			<p>part of her first-time homebuyer education programing in English and Spanish. Her approach re-enforces post homeownership practices to ensure new homeowners don't make costly mistakes as they navigate the challenges of not only paying a mortgage and utilities, but maintenance costs as well.</p>							
5	32183	All Things Housing... The Home Maintenance E-Calendar Tool	<p>Session 2 (12:15p-2:15p): The Embodied Cost of Home Ownership: How to Use the Home Maintenance E-Calendar Tool</p> <p>This training is to inform attendees about the "other" costs involved in paying for a home in addition to the mortgage and utilities, and it's especially beneficial for first-time homeowners but will help any level homeowner. There are items/systems within a home/on its property that require routine maintenance to avoid premature failure or sub-optimal service life. This training focuses on the most-costly items/systems within the home/on the property because those are most likely to cause disruptions to the household budget and are thus referred to in this Tool as "budget busters," which can lead to the use of unsecured debt. When this type of debt is used to finance the repair/replacement of costly items/systems in the home/on the property, the household budget not only must be entirely restructured, but the household credit score/FICO is ill-affected because of additional long-</p>	3/13/2023	3/13/2023	321832	Dr Randy Cantrell	dist	2	Virtual

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Initiative	IST Num	Title	Purpose and Objective	Start Date	End Date	Session ID	Faculty Lead	Type	Hours	Location
			<p>term, unsecured debt being accessed. This is a result of homeowners not fully grasping the concept of striving to maintain financial reserves dedicated for repairs/replacements of costly items/systems in the home/on the property, which have defined service-life ranges/lengths. Attendees will learn to appreciate and embrace these concepts above and beyond the importance typically placed on making on-time mortgage and utility payments.</p>							
5	32184	Family Resource Management thru Volunteer Income Tax Assistance (VITA)	<p>Professional development for UF/IFAS Extension faculty is important for program excellence. VITA is so much more than volunteering to do someone's income –taxes. VITA engages the UF/IFAS Family Resource Management clientele through a personal interaction that, in many cases, turns into a long and lasting relationship. A client comes in to get their taxes done and leaves as an extension of the UF/IFAS community. Whether that is through financial education or learning programs Extension has to offer, VITA can make extension programs stronger. VITA is an extraordinary vehicle to reach the underserved and keep them coming back for more.</p> <p>The VITA IST will provide agents with the basic of what VITA is, how it works, and how it can become a part of or grow their programing. Resources and basic financial education will be provided as well as how to evaluate and make</p>	12/16/2022	12/16/2022	321841	Halie Corbitt	trad	4.5	UF IFAS Columbia County Extension Office

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Initiative	IST Num	Title	Purpose and Objective	Start Date	End Date	Session ID	Faculty Lead	Type	Hours	Location
			<p>connections for all of Extension programming. IST planned to be offered in person at Columbia County Office, but will offer a virtual option if needed.</p>							
5	32185	<p>Med Instead of Meds Curriculum IST: A Focus on Culinary Medicine and Culinary Nutrition Programming</p>	<p>This IST training will address the High-Priority Initiative 5, “Empowering individuals and families to build healthy lives and achieve social and economic success.” Specifically, it will address the UF/IFAS Extension Roadmap Organizational Goal 3: Invest in UF/IFAS Extension’s human capital using the strategy, “Design, deliver, and implement high-quality and effective professional development.” The FCS agents attending this training will promote healthy lives through nutrition and health education, promoting lifestyle behavior changes. The purpose of this IST is to provide an introduction to the Med Instead of Meds curriculum through a focus on culinary medicine and culinary nutrition programming for FCS agents planning on implementing the curriculum in 2023. Objectives: Participants will</p> <ul style="list-style-type: none"> • Define culinary medicine and culinary nutrition (CM/CN) • Describe examples, session structure, and successful components of CM/CN applications in the context of the Mediterranean diet • Discuss evidence for dietary patterns that reduce chronic disease risk 	1/20/2023	1/20/2023	321851	Wendy Dahl/Wendy Lynch	mixt	5	UF Gainesville

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Initiative	IST Num	Title	Purpose and Objective	Start Date	End Date	Session ID	Faculty Lead	Type	Hours	Location
			<ul style="list-style-type: none"> Practice preparation of Mediterranean diet recipes through a simulated teaching kitchen session Introduce basic strategies for creating and disseminating engaging educational nutrition materials 							
6	31262	HUD-Approved Housing Program IST - Housing Education Team Annual Training	<p>This IST will provide professional development opportunities to new and experienced agents on current housing education programming and HUD-agency requirements. This a two-day IST. Session 1 on Monday, 12/12/22 from 9:00 a.m. - 5:00 p.m. offers training on rental, home buyer, home maintenance, and healthy homes education programs; sessions on methods of teaching complex housing topics; and a housing education activity showcase. Agents are requested to bring one activity to share. RSAs and state specialists will lead a panel discussion on collaboration. Agents will provide an overview of the impacts achieved by the state-wide housing education team and HUD requirements. During lunch, the team will hold its annual recognition. Agents may bring a holiday ornament to exchange. Session 2 on 12/13/22 from 9:00 a.m. - 12:00 noon offers training for HUD-certified agents or agents pursuing HUD certification. Agents seeking HUD certification will review the study guide and resources available, learn the six areas of competency covered in the examination and tips for preparing for the examination. HUD-certified agents will learn how to conduct individual counseling using HUD-</p>	12/12/2022	12/12/2022	312621	Lisa Hamilton	mixd	6.5	Gadsden County Extension

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Initiative	IST Num	Title	Purpose and Objective	Start Date	End Date	Session ID	Faculty Lead	Type	Hours	Location
			approved forms and the CounselorMax database. Participants of the IST will be asked to complete a short online survey to assess their knowledge gained and relevance to the program area.							
6	31262	HUD-Approved Housing Program IST - HUD-certified agent training	This IST will provide professional development opportunities to new and experienced agents on current housing education programming and HUD-agency requirements. This a two-day IST. Session 1 on Monday, 12/12/22 from 9:00 a.m. - 5:00 p.m. offers training on rental, home buyer, home maintenance, and healthy homes education programs; sessions on methods of teaching complex housing topics; and a housing education activity showcase. Agents are requested to bring one activity to share. RSAs and state specialists will lead a panel discussion on collaboration. Agents will provide an overview of the impacts achieved by the state-wide housing education team and HUD requirements. During lunch, the team will hold its annual recognition. Agents may bring a holiday ornament to exchange. Session 2 on 12/13/22 from 9:00 a.m. - 12:00 noon offers training for HUD-certified agents or agents pursuing HUD certification. Agents seeking HUD certification will review the study guide and resources available, learn the six areas of competency covered in the examination and tips for preparing for the examination. HUD-certified agents will learn how to conduct individual counseling using HUD-	12/13/2022	12/13/2022	312622	Lisa Hamilton	mixd	4	Gadsden County Extension

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Initiative	IST Num	Title	Purpose and Objective	Start Date	End Date	Session ID	Faculty Lead	Type	Hours	Location
			approved forms and the CounselorMax database. Participants of the IST will be asked to complete a short online survey to assess their knowledge gained and relevance to the program area.							
6	31925	Systems Thinking - Day 1- Introduction to Systems Thinking in Extension	Teach CED's, Agents, Researchers, and staff how to integrate systems thinking into their programs, work, and decision making to enable more systems guided integration and overlap. The course consists of two introductory remote sessions a half-day workshop, and a post evaluative meeting six months after the workshop. The classes will consist of activities, presentations, and discussions on how systems thinking can be utilized to enhance organizational management, enable program development, and enrich program delivery.	8/18/2021	8/18/2021	319251	David Outerbridge	Dist	2	Virtual
6	31925	Systems Thinking - Day 2- System Thinking in Program Development	Teach CED's, Agents, Researchers, and staff how to integrate systems thinking into their programs, work, and decision making to enable more systems guided integration and overlap. The course consists of two introductory remote sessions a half-day workshop, and a post evaluative meeting six months after the workshop. The classes will consist of activities, presentations, and discussions on how systems thinking can be utilized to enhance organizational management, enable program development, and enrich program delivery.	8/25/2021	8/25/2021	319252	David Outerbridge	Dist	2	Virtual

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Initiative	IST Num	Title	Purpose and Objective	Start Date	End Date	Session ID	Faculty Lead	Type	Hours	Location
6	31925	Systems Thinking - Day 3- Application of Systems Thinking to Program Development	Teach CED's, Agents, Researchers, and staff how to integrate systems thinking into their programs, work, and decision making to enable more systems guided integration and overlap. The course consists of two introductory remote sessions a half-day workshop, and a post evaluative meeting six months after the workshop. The classes will consist of activities, presentations, and discussions on how systems thinking can be utilized to enhance organizational management, enable program development, and enrich program delivery.	9/10/2021	9/10/2021	319253	David Outerbridge	trad	4	GREC
6	31925	Systems Thinking - Day 4- Lessons Learned and Future Plans	Teach CED's, Agents, Researchers, and staff how to integrate systems thinking into their programs, work, and decision making to enable more systems guided integration and overlap. The course consists of two introductory remote sessions a half-day workshop, and a post evaluative meeting six months after the workshop. The classes will consist of activities, presentations, and discussions on how systems thinking can be utilized to enhance organizational management, enable program development, and enrich program delivery.	1/19/2022	1/19/2022	319254	David Outerbridge	Dist	1	Virtual
6	31945	Community Resource Development Webinar Series - Get a Jump on Your 2021 ROA: Reporting CRD Work	Goal: Build Extension's capacity to work across programmatic disciplines to help communities address local problems and contribute to community vitality. Objectives:	2/10/2021	2/10/2021	319451	Linda Seals	dist	1	Teams

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Initiative	IST Num	Title	Purpose and Objective	Start Date	End Date	Session ID	Faculty Lead	Type	Hours	Location
			<p>Increase knowledge about CRD principles for overall programmatic success</p> <p>Identify opportunities for Extension agents to support economic development and entrepreneurship</p> <p>Integrate diversity, equity, inclusion and belonging principles in CRD programs</p> <p>Explore strategies for partnership support and development</p> <p>Improve Extension agents' skillsets to support work with diverse groups, internally and externally</p> <p>Introduce tools and techniques that support CRD programs</p> <p>Build agent's CRD skills throughout the year.</p>							
6	31945	Community Resource Development Webinar Series - The Economics of CRD Programs	<p>Goal: Build Extension's capacity to work across programmatic disciplines to help communities address local problems and contribute to community vitality.</p> <p>Objectives:</p> <p>Increase knowledge about CRD principles for overall programmatic success</p> <p>Identify opportunities for Extension agents to support economic development and entrepreneurship</p> <p>Integrate diversity, equity, inclusion and belonging principles in CRD programs</p> <p>Explore strategies for partnership support and development</p> <p>Improve Extension agents' skillsets to support work with diverse groups, internally and externally</p>	4/14/2021	4/14/2021	319452	Linda Seals	dist	1	Teams

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Initiative	IST Num	Title	Purpose and Objective	Start Date	End Date	Session ID	Faculty Lead	Type	Hours	Location
			<p>Introduce tools and techniques that support CRD programs</p> <p>Build agent’s CRD skills throughout the year.</p>							
6	31945	Community Resource Development Webinar Series - Building Strong Partnerships to Enhance CRD Programs	<p>Goal: Build Extension’s capacity to work across programmatic disciplines to help communities address local problems and contribute to community vitality.</p> <p>Objectives:</p> <p>Increase knowledge about CRD principles for overall programmatic success</p> <p>Identify opportunities for Extension agents to support economic development and entrepreneurship</p> <p>Integrate diversity, equity, inclusion and belonging principles in CRD programs</p> <p>Explore strategies for partnership support and development</p> <p>Improve Extension agents’ skillsets to support work with diverse groups, internally and externally</p> <p>Introduce tools and techniques that support CRD programs</p> <p>Build agent’s CRD skills throughout the year.</p>	6/16/2021	6/16/2021	319453	Linda Seals	dist	1	Teams
6	31945	Community Resource Development Webinar Series - Developing CRD Programs for Non-Profit Organizations to Build Community Vitality	<p>Goal: Build Extension’s capacity to work across programmatic disciplines to help communities address local problems and contribute to community vitality.</p> <p>Objectives:</p>	9/29/2021	9/21/2021	319454	Linda Seals	dist	1	Teams

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Initiative	IST Num	Title	Purpose and Objective	Start Date	End Date	Session ID	Faculty Lead	Type	Hours	Location
			<p>Increase knowledge about CRD principles for overall programmatic success</p> <p>Identify opportunities for Extension agents to support economic development and entrepreneurship</p> <p>Integrate diversity, equity, inclusion and belonging principles in CRD programs</p> <p>Explore strategies for partnership support and development</p> <p>Improve Extension agents' skillsets to support work with diverse groups, internally and externally</p> <p>Introduce tools and techniques that support CRD programs</p> <p>Build agent's CRD skills throughout the year.</p>							
6	32078	Strengthening your Facilitation Skills	<p>To help you improve and strengthen your facilitation skills, we are developing a three-day in-service training that will teach you how to:</p> <ul style="list-style-type: none"> • Effectively facilitate group discussions (e.g., meetings, community conversations, advisory groups) • Serve as a facilitator for organizations and municipalities • Address conflict during meetings or group discussions • Use facilitation tools effectively to accomplish goals • Evaluate facilitated educational activities 	3/1/2022	3/3/2022	320781	Joy Hazell	trad	18	Orange County
6	32079	CIVIC: The Art and Science of Facilitating Deliberative Discussions	<p>This IST builds on the knowledge and skills participants gained in the 2021 IST. In that IST, you learned how to work with a community on a CIVIC activity, with specific instruction in</p>	9/20/2022	9/22/2022	320791	Linda Seals	trad	16	Sandra Stetson Aquatic Center, Deland, FL

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			including diversity/equity/inclusion/justice elements, conduct a community assessment through focus groups and interviews, and build community partnerships. These skills help build a foundation for CIVIC activities. Deliberative discussions are the critical component of a CIVIC program that enable participants to consider new perspectives and prioritize next steps. We wish to build your capacity to conduct these specialized forms of community education. In this IST, you will learn how to facilitate or moderate deliberative discussions that are designed to help lead participants to community problem solving.							
6	32082	What is Community Resource Development?	In this webinar, you will learn the nuts and bolts of community development. We will share some models of CRD and real-world examples of CRD programs. Objectives: <ul style="list-style-type: none"> • Increase knowledge about CRD principles for overall programmatic success • Explore strategies for partnership support and development • Improve Extension agents' skillsets to help improve community vitality • Introduce tools and techniques that support CRD programs 	3/16/2022	3/16/2022	320821	Linda Seals	dist	1	Zoom
6	32083	Developing Programs with a Community Development Mindset	Dr. Daniel Kahl, Associate Professor and Associate Director of the University of Kentucky's Community and Economic Development Initiative of Kentucky (CEDIK) will help us think about how we approach Extension	6/22/2022	6/22/2022	320831	Linda Seals	dist	1	Zoom

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Initiative	IST Num	Title	Purpose and Objective	Start Date	End Date	Session ID	Faculty Lead	Type	Hours	Location
			<p>programs using a community development lens. Goal: Build Extension’s capacity to work across programmatic disciplines to help communities address local problems and contribute to community vitality. Objectives:</p> <ul style="list-style-type: none"> • Increase knowledge about CRD principles for overall programmatic success • Explore strategies for partnership support and development • Improve Extension agents’ skillsets to help improve community vitality • Introduce tools and techniques that support CRD programs 							
6	32084	Community Capitals at Work	<p>In this webinar, Dr. Nicole Breazeale, Associate Professor in the University of Kentucky’s Department of Community Development and Leadership will teach you how to use the Community Capitals framework to develop and evaluate CRD programs. Goal: Build Extension’s capacity to work across programmatic disciplines to help communities address local problems and contribute to community vitality. Objectives:</p> <ul style="list-style-type: none"> • Increase knowledge about CRD principles for overall programmatic success • Improve Extension agents’ skillsets to help improve community vitality • Introduce tools and techniques that support CRD programs 	8/17/2022	8/17/2022	320841	Linda Seals	dist	1	Zoom

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Initiative	IST Num	Title	Purpose and Objective	Start Date	End Date	Session ID	Faculty Lead	Type	Hours	Location
			<ul style="list-style-type: none"> Learn how to use the Community Capitals Framework to evaluate and report CRD impacts 							
6	32085	Initiative 6: The Big Reveal	<p>Learn how to use the new Initiative 6 Plan of Action to report your CRD activities in Workload and in your annual report. The Plan of Action can also be used to help you develop new programs that include community development activities.</p> <p>Goal: Build Extension's capacity to work across programmatic disciplines to help communities address local problems and contribute to community vitality.</p> <p>Objectives:</p> <ul style="list-style-type: none"> Increase knowledge about CRD principles for overall programmatic success Introduce tools and techniques that support CRD programs Obtain language for writing report situation statements, objectives, and impacts 	10/19/2022	10/19/2022	320851	Linda Seals	dist	1	Zoom
6	32094	CIVIC Professional Development Webinar Series - Exploring Land-Grant Institution Partnerships to Better Serve Audiences	<p>Join the Community Voices Informed Choices (CIVIC) team for a series of lunch and learn webinars featuring guests from around the state and country who will share their successful programs. The programs they share focus on partnerships and deliberative dialogue. Speakers they will explain how they identified community needs, how facilitative leadership and/or deliberative forums helped meet those needs, and what inputs were used to achieve successful outcomes and impacts.</p>	4/13/2022	4/13/2022	320941	Joy Hazell	dist	1	Zoom

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Initiative	IST Num	Title	Purpose and Objective	Start Date	End Date	Session ID	Faculty Lead	Type	Hours	Location
			<p>The objectives of these webinars are to:</p> <ol style="list-style-type: none"> 1. Become familiar with the CIVIC program 2. Learn how to use CIVIC activities to help a community discuss complex issues 3. Identify the inputs needed to achieve positive outcomes and impacts 							
6	32094	CIVIC Professional Development Webinar Series - CIVIC Case Study: Exploring Land Use Issues in Local Communities	<p>Join the Community Voices Informed Choices (CIVIC) team for a series of lunch and learn webinars featuring guests from around the state and country who will share their successful programs. The programs they share focus on partnerships and deliberative dialogue. Speakers they will explain how they identified community needs, how facilitative leadership and/or deliberative forums helped meet those needs, and what inputs were used to achieve successful outcomes and impacts.</p> <p>The objectives of these webinars are to:</p> <ol style="list-style-type: none"> 1. Become familiar with the CIVIC program 2. Learn how to use CIVIC activities to help a community discuss complex issues 3. Identify the inputs needed to achieve positive outcomes and impacts 	6/15/2022	6/15/2022	320942	Joy Hazell	dist	1	Zoom
6	32094	CIVIC Professional Development Webinar Series - Study: Kansas Libraries and Deliberative Discussions	<p>Join the Community Voices Informed Choices (CIVIC) team for a series of lunch and learn webinars featuring guests from around the state and country who will share their successful</p>	8/10/2022	8/10/2022	320943	Joy Hazell	dist	1	Zoom

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Initiative	IST Num	Title	Purpose and Objective	Start Date	End Date	Session ID	Faculty Lead	Type	Hours	Location
			<p>programs. The programs they share focus on partnerships and deliberative dialogue. Speakers they will explain how they identified community needs, how facilitative leadership and/or deliberative forums helped meet those needs, and what inputs were used to achieve successful outcomes and impacts.</p> <p>The objectives of these webinars are to:</p> <ol style="list-style-type: none"> 1. Become familiar with the CIVIC program 2. Learn how to use CIVIC activities to help a community discuss complex issues 3. Identify the inputs needed to achieve positive outcomes and impacts 							
6	32094	CIVIC Professional Development Webinar Series - CIVIC Case Study: FAMU Youth and Law Program	<p>Join the Community Voices Informed Choices (CIVIC) team for a series of lunch and learn webinars featuring guests from around the state and country who will share their successful programs. The programs they share focus on partnerships and deliberative dialogue. Speakers they will explain how they identified community needs, how facilitative leadership and/or deliberative forums helped meet those needs, and what inputs were used to achieve successful outcomes and impacts.</p> <p>The objectives of these webinars are to:</p> <ol style="list-style-type: none"> 1. Become familiar with the CIVIC program 2. Learn how to use CIVIC activities to help a community discuss complex issues 	10/12/2022	10/12/2022	320944	Joy Hazell	dist	1	Zoom

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Initiative	IST Num	Title	Purpose and Objective	Start Date	End Date	Session ID	Faculty Lead	Type	Hours	Location
			3. Identify the inputs needed to achieve positive outcomes and impacts							
6	32096	Home Energy and Water Efficiency Workshop: A Turn-Key Presentation to Add to Your Program	High housing cost burdens, including utility bills, affect financial sustainability for thousands of families. There is a significant opportunity to provide education for low- and middle-income families on ways to reduce utility bills to improve the and affordability of Florida's housing. This IST will provide a turn-key opportunity to take a workshop focused on home energy and water efficiency offered in Sarasota and Alachua Counties (through the non-profit Community Weatherization Coalition) and implement it in counties around the state.	8/15/2022	8/15/2022	320961	Lee Hayes Byron	dist	2	Zoom
6	32170	Advancing Digital Access: Capacity Building - Creating a Digital Broadband Plan	Are you working on broadband in your county? Extension can play a role to assist with the digital access continuum in Florida. All agents regardless of program area, can participate. This IST will review how to educate and create awareness, to convene and facilitate community planning processes, to assist communities in planning, to inform community members on the value of access, to assist in finding community resources and to provide digital literacy training within the context of all program areas. Day one is focused on access (how do we get broadband): a "cut and paste" process to help you develop a strategic broadband plan for your county.	1/18/2023	1/18/2023	321701	Katherine Allen	trad	7	Marion Co. Extension Office

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Initiative	IST Num	Title	Purpose and Objective	Start Date	End Date	Session ID	Faculty Lead	Type	Hours	Location
			Day two is about adoption. Once you have broadband, how to increase the usage to increase economic activity and fund future access: Looking at various train-the-trainer programs to help people utilize broadband once they have access.							
6	32170	Advancing Digital Access: Capacity Building -Digital Navigators	<p>Are you working on broadband in your county? Extension can play a role to assist with the digital access continuum in Florida. All agents regardless of program area, can participate. This IST will review how to educate and create awareness, to convene and facilitate community planning processes, to assist communities in planning, to inform community members on the value of access, to assist in finding community resources and to provide digital literacy training within the context of all program areas.</p> <p>Day one is focused on access (how do we get broadband): a "cut and paste" process to help you develop a strategic broadband plan for your county.</p> <p>Day two is about adoption. Once you have broadband, how to increase the usage to increase economic activity and fund future access: Looking at various train-the-trainer programs to help people utilize broadband once they have access.</p>	1/19/2023	1/19/2023	321702	Katherine Allen	trad	7	Marion Co. Extension Office
7	31358	Dairy Cattle Judging 101	It is hoped after participating in this training, attendees will learn about the basics of evaluating and judging dairy cattle, in order to prepare 4-H youth to participate in future dairy cattle	8/6/2022	8/6/2022	313581	Christopher DeCubellis	trad	4	Gainesville, FL

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Initiative	IST Num	Title	Purpose and Objective	Start Date	End Date	Session ID	Faculty Lead	Type	Hours	Location
			<p>judging contests. In particular, attendees will learn about:</p> <ul style="list-style-type: none"> • The Purebred Dairy Cattle Unified Score Card • Terminology related to dairy cattle anatomy • Adjectives to describe positive and negative aspects of dairy cattle anatomy in relation to animal health, vigor, and potential dairy production • Learn to evaluate a group of four dairy cattle, quickly make decisions on ranking those cattle • Learn about the basics of preparing and presenting oral reasons in dairy cattle judging. 							
7	31895	How to Create a Winning FAE4-HA Award	<p>It is essential that extension agents submit awards for their promotion packets. Awards are a celebration of effective programming conducted by the agent. According to Priority Competencies Needed by UF/IFAS Extension by Dr. Amy Harder, agents should focus on Programming Planning and Development; Extension Teaching, Tools, and Methods; Program Evaluation; Extension Organization and Administration; Information and Communication Technologies; Subject Matter Expertise; External Linkages and Collaborations; Interpersonal Leadership; Volunteer Development; and Professionalism and Professional Development.</p> <p>Many agents are unaware of what awards are available and their requirements; the various levels where awards are offered - state,</p>	1/21/2021	1/21/2021	318951	Laura Cash	Dist	3	Virtual

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Initiative	IST Num	Title	Purpose and Objective	Start Date	End Date	Session ID	Faculty Lead	Type	Hours	Location
			regional, and national; how to complete applications; and how to submit them. In addition, many agents need assistance with basic writing skills, documentation, and design. The purpose of this IST is to provide agents the knowledge and skills to be successful developing programs, writing abstracts, evaluating them, and submitting awards for them.							
7	31935	School Gardening Basics and Beyond for UF/IFAS Extension Agents and UF/IFAS FNP professionals	<ul style="list-style-type: none"> • Introduce UF/IFAS Extension Agents (Residential Horticulture, FCS, FNP, 4-H and FNP educators) to school gardening practices, techniques, resources, and innovative programming. • Foster collaboration among UF/IFAS Extension Agents and FNP educators • Empower leadership in school gardening programs in Florida • Provide evidence-based and engaging activities to empower youth in healthy lives • 80% of the In-service participants will report utilizing two activities and two gardening best practices within one year of the training • 25% of the In-service participants will report creating one productive partnership within Extension or in their school district • This is meant to be a train the trainer IST so the agents can bring this back to their 	6/3/2021	6/3/2021	319351	Wendy Wilber	dist	8	video conference TEAMS

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Initiative	IST Num	Title	Purpose and Objective	Start Date	End Date	Session ID	Faculty Lead	Type	Hours	Location
			volunteers who are working with youth							
7	31962	Poultry Judging Basics and Updates	<p>The purposes of this IST are to:</p> <ul style="list-style-type: none"> * Help 4-H and Agriculture Agents learn the basics of 4-H poultry judging and the poultry judging contest. * Help Agents know what is involved in coaching a local team or individuals for the state contest. * Make agents aware of opportunities at the national contest in Louisville, Kentucky, including the 4-H Poultry and Egg Conference in association with the North American International Livestock Exhibition. * Make agents aware of recent changes to the national contest and the national 4-H poultry judging manual. 	3/17/2021	3/17/2021	319621	Chris DeCubellis	dist	2	Zoom
7	32062	Tough Talks: Guiding youth from conflict to conversion: Session One	<p>Working to develop the discourse and civic engagement skills of 4-H agents across the state of Florida</p> <p>Session 1- Navigating a Polarized Political Climate</p> <p>The goal of this session will be to equip participants with a set of practical tools and techniques to make national, state, and community issues relevant to students, engage their interests, and manage tensions that can arise in discourse surrounding these topics.</p> <p>Participants will:</p>	1/5/2022	1/5/2022	320621	Kelsey Haupt	Dist	1.5	Zoom

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Initiative	IST Num	Title	Purpose and Objective	Start Date	End Date	Session ID	Faculty Lead	Type	Hours	Location
			<ul style="list-style-type: none"> • Learn practical techniques to establish norms that foster empathy and civil dialogue amongst students. • Explore specific scenarios tied to issues like race, identity, and political differences that can break discourse down and learn techniques to address these challenges and use them to foster deeper learning 							
7	32062	Tough Talks: Guiding youth from conflict to conversion: Session Two	<p>Working to develop the discourse and civic engagement skills of 4-H agents across the state of Florida</p> <p>Session 2 - Framing Issues for Debate & Deliberation</p> <p>This session will build on the foundational skills and techniques from Session 1 and provide instruction on specific modes of discourse: discussion, debate, and deliberation. Participants will learn the different assets and challenges to each mode of discourse and take part in a direct model of a deliberation that can be used with students.</p> <p>Participants will:</p> <ul style="list-style-type: none"> • Build on the pre-established values framework and see how it can be applied actively to headline issues to help student make sense of the current debate • Learn about three distinct discourse structures (discussion, debate, and deliberation), the learning goals and outcomes of each, and participate in a model deliberation 	1/19/2022	1/19/2022	320622	Kelsey Haupt	Dist	1.5	Zoom
7	32073	4-H Food Challenge: Project overview, implementation, and outcomes	This training will provide information and resources to support county Extension programs interested in engaging youth in the newly	3/24/2022	3/24/2022	320731	Geralyn Sachs	trad	4	SJC Extension Office

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Initiative	IST Num	Title	Purpose and Objective	Start Date	End Date	Session ID	Faculty Lead	Type	Hours	Location
			<p>developed Florida 4-H Food Challenge project. The 4-H Food Challenge provides an opportunity for youth to engage in a fun, yet challenging food focused learning experience. This program provides an opportunity for youth to learn about food safety, nutrition, cost analysis, food preparation and how to give an informative and entertaining presentation. Working in groups of 3-4 youth, of the same age division, teams create a dish using only a predetermined set of ingredients and cooking utensils. First, each team plans and prepares one of the randomly assigned dishes: appetizer, entrée, side dish, or healthy dessert, while being judged on their food safety skills, teamwork, and ability to manage time and resources. Secondly, youth present their finished dish, deliver a five-minute presentation, and answer questions from a panel of judges about specific information and skills related to their dish and their food preparation experience.</p> <p>This training is for county Extension agents statewide and primarily targets 4-H and FCS programming efforts. The Food Challenge training will include:</p> <ul style="list-style-type: none"> • Food Challenge overview and guidelines • Best practices for recruiting and mentoring youth/volunteer engaged in the project • Educational resources and equipment related to food and 							

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Initiative	IST Num	Title	Purpose and Objective	Start Date	End Date	Session ID	Faculty Lead	Type	Hours	Location
			equipment safety, nutrition, serving size, and cost analysis <ul style="list-style-type: none"> • Incorporation of positive youth development practices • Intentional development and application of culinary and life skills • Parent engagement strategies • Oral presentation tips • How to host a food challenge at the county level • Hands on application of the food challenge experience • Evaluation tools 							
7	32081	Re-invigorating 4-H Demonstrations, Illustrated Talks, and County Events	This IST will help faculty understand the importance of 4-H youth presentations (demonstrations and illustrated talks. Specifically: <ul style="list-style-type: none"> • Best practices for agents to facilitate county competitions (county events). • Explain score cards and judges' orientation • Normalizing presentations as part of 4-H club culture again • Helping agents recognize and model a bad, okay, and excellent presentation. • Help agents have the background, resources, knowledge and tools to facilitate an excellent competitive events day. • Host a 'mock county events day' for agents 	8/16/2022	8/17/2022	320811	Christopher DeCubellis	Trad	12	Alachua County Extension Office
7	32102	Youth and Mental Health	This is a train the trainer for agents, faculty, and employees interested to teach mental health to youth. It is part of the Farm Stress and Mental Health FDACS grant.	4/19/2022	4/19/2022	321021	Vanessa Spero	dist	1	Zoom

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Initiative	IST Num	Title	Purpose and Objective	Start Date	End Date	Session ID	Faculty Lead	Type	Hours	Location
7	32102	Youth and Mental Health	This is a train the trainer for agents, faculty, and employees interested to teach mental health to youth. It is part of the Farm Stress and Mental Health FDACS grant.	4/20/2022	4/20/2022	321022	Vanessa Spero	dist	1	Zoom
7	32111	QPR: Question, Persuade, Refer Suicide Prevention Training	<p>QPR: Question, Persuade, Refer Suicide Prevention Training. Three steps anyone can learn to help prevent suicide.</p> <p>This 60-minute training QPR training will cover (qprinstitute.org):</p> <ul style="list-style-type: none"> • How to Question, Persuade and Refer someone who may be suicidal • How to get help for yourself or learn more about preventing suicide • The common causes of suicidal behavior • The warning signs of suicide • How to get help for someone in crisis • Other training resources available through QPR <p>Participants will receive a QPR information booklet and participant certificate.</p>	6/13/2022	6/13/2022	321111	Candi Dierenfield	Dist	1	Zoom
7	32145	4-H Online and Business Services Training – Central District	<p>This IST will help 4-H Faculty and Staff to understand how to utilize 4-H Online for program management, data collection, and event registrations. In addition, this IST will help agents to understand Florida 4-H financial requirements for Clubs and County 4-H Associations.</p> <p>Specifically:</p> <ul style="list-style-type: none"> • 4-H Online <ul style="list-style-type: none"> o Use of 4-H Online to meet UF/IFAS Extension Civil Rights Compliance 	9/28/2022	9/28/2022	321451	Stacey Ellison	trad	5	Lake County Extension Office

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Initiative	IST Num	Title	Purpose and Objective	Start Date	End Date	Session ID	Faculty Lead	Type	Hours	Location
			<ul style="list-style-type: none"> o Creating Custom Reports to access enrollment data in 4-H Online o Composing broadcast emails o Volunteer screening, training and approval requirements <ul style="list-style-type: none"> • Financial Requirements o Understanding Internal Revenue Service (IRS) Requirements - form 990 o Implementing fiscal responsibility and segregation of duties o State of Florida sales tax overview o 4-H Club and Association use of funds and documentation 							
7	32145	4-H Online and Business Services Training – Northeast District	<p>This IST will help 4-H Faculty and Staff to understand how to utilize 4-H Online for program management, data collection, and event registrations. In addition, this IST will help agents to understand Florida 4-H financial requirements for Clubs and County 4-H Associations.</p> <p>Specifically:</p> <ul style="list-style-type: none"> • 4-H Online <ul style="list-style-type: none"> o Use of 4-H Online to meet UF/IFAS Extension Civil Rights Compliance o Creating Custom Reports to access enrollment data in 4-H Online o Composing broadcast emails o Volunteer screening, training and approval requirements <ul style="list-style-type: none"> • Financial Requirements o Understanding Internal Revenue Service (IRS) Requirements - form 990 	9/29/2022	9/29/2022	321452	Stacey Ellison	trad	5	Alachua County Extension Office

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Initiative	IST Num	Title	Purpose and Objective	Start Date	End Date	Session ID	Faculty Lead	Type	Hours	Location
			<ul style="list-style-type: none"> o Implementing fiscal responsibility and segregation of duties o State of Florida sales tax overview o 4-H Club and Association use of funds and documentation 							
7	32145	4-H Online and Business Services Training – Southeast District	<p>This IST will help 4-H Faculty and Staff to understand how to utilize 4-H Online for program management, data collection, and event registrations. In addition, this IST will help agents to understand Florida 4-H financial requirements for Clubs and County 4-H Associations.</p> <p>Specifically:</p> <ul style="list-style-type: none"> • 4-H Online <ul style="list-style-type: none"> o Use of 4-H Online to meet UF/IFAS Extension Civil Rights Compliance o Creating Custom Reports to access enrollment data in 4-H Online o Composing broadcast emails o Volunteer screening, training and approval requirements • Financial Requirements <ul style="list-style-type: none"> o Understanding Internal Revenue Service (IRS) Requirements - form 990 o Implementing fiscal responsibility and segregation of duties o State of Florida sales tax overview o 4-H Club and Association use of funds and documentation 	10/25/2022	10/25/2022	321453	Stacey Ellison	trad	5	Palm Beach County Extension
7	32145	4-H Online and Business Services Training – Southwest District	<p>This IST will help 4-H Faculty and Staff to understand how to utilize 4-H Online for program management, data</p>	11/9/2022	11/9/2022	321454	Stacey Ellison	trad	5	Charlotte County Extension Office

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Initiative	IST Num	Title	Purpose and Objective	Start Date	End Date	Session ID	Faculty Lead	Type	Hours	Location
			collection, and event registrations. In addition, this IST will help agents to understand Florida 4-H financial requirements for Clubs and County 4-H Associations. Specifically: <ul style="list-style-type: none"> • 4-H Online <ul style="list-style-type: none"> o Use of 4-H Online to meet UF/IFAS Extension Civil Rights Compliance o Creating Custom Reports to access enrollment data in 4-H Online o Composing broadcast emails o Volunteer screening, training and approval requirements • Financial Requirements <ul style="list-style-type: none"> o Understanding Internal Revenue Service (IRS) Requirements - form 990 o Implementing fiscal responsibility and segregation of duties o State of Florida sales tax overview o 4-H Club and Association use of funds and documentation 							
7	32145	4-H Online and Business Services Training – Northwest District	This IST will help 4-H Faculty and Staff to understand how to utilize 4-H Online for program management, data collection, and event registrations. In addition, this IST will help agents to understand Florida 4-H financial requirements for Clubs and County 4-H Associations. Specifically: <ul style="list-style-type: none"> • 4-H Online <ul style="list-style-type: none"> o Use of 4-H Online to meet UF/IFAS Extension Civil Rights Compliance 	11/18/2022	11/18/2022	321455	Stacey Ellison	trad	5	Washington County Extension Office

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Initia tive	IST Num	Title	Purpose and Objective	Start Date	End Date	Session ID	Faculty Lead	Type	Hours	Location
			<ul style="list-style-type: none"> o Creating Custom Reports to access enrollment data in 4-H Online o Composing broadcast emails o Volunteer screening, training and approval requirements <ul style="list-style-type: none"> • Financial Requirements o Understanding Internal Revenue Service (IRS) Requirements - form 990 o Implementing fiscal responsibility and segregation of duties o State of Florida sales tax overview o 4-H Club and Association use of funds and documentation 							
8	31950	Extension Faculty Development Academy – Session A - Extension Professional/Logic Models	Florida Extension requires new extension faculty to attend two sessions of the Extension Faculty Development Academy during their first year of hire. These trainings relate to teaching and learning, program development, and program evaluation. New extension faculty must attend Session A before they can attend Session B. The Academy supplements CED/DED training and information provided by your mentor.	2/23/2021	2/23/2021	319501	Matt Benge	Dist	2.5	Zoom
8	31950	Extension Faculty Development Academy – Session A - Needs Assessments & Extension Roadmap	Florida Extension requires new extension faculty to attend two sessions of the Extension Faculty Development Academy during their first year of hire. These trainings relate to teaching and learning, program development, and program evaluation. New extension faculty must attend Session A before they can attend Session B. The Academy	2/25/2021	2/25/2021	319502	Matt Benge	Dist	2.5	Zoom

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Initiative	IST Num	Title	Purpose and Objective	Start Date	End Date	Session ID	Faculty Lead	Type	Hours	Location
			supplements CED/DED training and information provided by your mentor.							
8	31950	Extension Faculty Development Academy – Session A - Teaching & Learning	Florida Extension requires new extension faculty to attend two sessions of the Extension Faculty Development Academy during their first year of hire. These trainings relate to teaching and learning, program development, and program evaluation. New extension faculty must attend Session A before they can attend Session B. The Academy supplements CED/DED training and information provided by your mentor.	3/9/2021	3/9/2021	319503	Matt Bengé	Dist	2.5	Zoom
8	31950	Extension Faculty Development Academy – Session A - Branding, Accessibility & Copyright	Florida Extension requires new extension faculty to attend two sessions of the Extension Faculty Development Academy during their first year of hire. These trainings relate to teaching and learning, program development, and program evaluation. New extension faculty must attend Session A before they can attend Session B. The Academy supplements CED/DED training and information provided by your mentor.	3/11/2021	3/11/2021	319504	Matt Bengé	Dist	2.5	Zoom
8	31950	Extension Faculty Development Academy – Session A – SMART Objectives	Florida Extension requires new extension faculty to attend two sessions of the Extension Faculty Development Academy during their first year of hire. These trainings relate to teaching and learning, program development, and program evaluation. New extension faculty must attend Session A before they can attend Session B. The Academy	3/16/2021	3/16/2021	319505	Matt Bengé	Dist	2.5	Zoom

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Initiative	IST Num	Title	Purpose and Objective	Start Date	End Date	Session ID	Faculty Lead	Type	Hours	Location
			supplements CED/DED training and information provided by your mentor.							
8	31951	Extension Faculty Development Academy – Session B - 4-H 5% and Advisory Committees	Florida Extension requires new extension faculty to attend two sessions of the Extension Faculty Development Academy during their first year of hire. These trainings relate to teaching and learning, program development, and program evaluation. New extension faculty must attend Session A before they can attend Session B. The Academy supplements CED/DED training and information provided by your mentor.	4/6/2021	4/6/2021	319511	Matt Benge	Dist	2.5	Zoom
8	31951	Extension Faculty Development Academy – Session B - Teaching Practicums	Florida Extension requires new extension faculty to attend two sessions of the Extension Faculty Development Academy during their first year of hire. These trainings relate to teaching and learning, program development, and program evaluation. New extension faculty must attend Session A before they can attend Session B. The Academy supplements CED/DED training and information provided by your mentor.	4/8/2021	4/8/2021	319512	Matt Benge	Dist	2.5	Zoom
8	31951	Extension Faculty Development Academy – Session B - Program Evaluation – Part 1	Florida Extension requires new extension faculty to attend two sessions of the Extension Faculty Development Academy during their first year of hire. These trainings relate to teaching and learning, program development, and program evaluation. New extension faculty must attend Session A before they can attend Session B. The Academy	4/20/2021	4/20/2021	319513	Matt Benge	Dist	2.5	Zoom

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Initiative	IST Num	Title	Purpose and Objective	Start Date	End Date	Session ID	Faculty Lead	Type	Hours	Location
			supplements CED/DED training and information provided by your mentor.							
8	31951	Extension Faculty Development Academy – Session B - Photography, Blogging, and Social Media	Florida Extension requires new extension faculty to attend two sessions of the Extension Faculty Development Academy during their first year of hire. These trainings relate to teaching and learning, program development, and program evaluation. New extension faculty must attend Session A before they can attend Session B. The Academy supplements CED/DED training and information provided by your mentor.	4/22/2021	4/22/2021	319514	Matt Bengé	Dist	2.5	Zoom
8	31951	Extension Faculty Development Academy – Session B - Program Evaluation – Part 2	Florida Extension requires new extension faculty to attend two sessions of the Extension Faculty Development Academy during their first year of hire. These trainings relate to teaching and learning, program development, and program evaluation. New extension faculty must attend Session A before they can attend Session B. The Academy supplements CED/DED training and information provided by your mentor.	4/27/2021	4/27/2021	319515	Matt Bengé	Dist	2.5	Zoom
8	31951	Extension Faculty Development Academy – Session B - Writing Impact Statements and Expert Panel	Florida Extension requires new extension faculty to attend two sessions of the Extension Faculty Development Academy during their first year of hire. These trainings relate to teaching and learning, program development, and program evaluation. New extension faculty must attend Session A before they can attend Session B. The Academy	4/29/2021	4/29/2021	319516	Matt Bengé	Dist	2.5	Zoom

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Initiative	IST Num	Title	Purpose and Objective	Start Date	End Date	Session ID	Faculty Lead	Type	Hours	Location
			supplements CED/DED training and information provided by your mentor.							
8	31955	CED Foundations	The purpose of this in-service training is to provide new CEDs a base-level knowledge of and skill development regarding the foundational tenants within the CED role.	6/15/2021	6/15/2021	319551	Matt Benge	dist	2.5	Zoom
8	31955	CED Foundations	The purpose of this in-service training is to provide new CEDs a base-level knowledge of and skill development regarding the foundational tenants within the CED role.	6/17/2021	6/17/2021	319552	Matt Benge	dist	2.5	Zoom
8	31955	CED Foundations	The purpose of this in-service training is to provide new CEDs a base-level knowledge of and skill development regarding the foundational tenants within the CED role.	6/22/2021	6/22/2021	319553	Matt Benge	dist	2.5	Zoom
8	31955	CED Foundations	The purpose of this in-service training is to provide new CEDs a base-level knowledge of and skill development regarding the foundational tenants within the CED role.	6/24/2021	6/24/2021	319554	Matt Benge	dist	2.5	Zoom
8	31960	Navigating Difference: Cultural Awareness	The goal of this meeting to provide engaging activities to increase cultural awareness and competency for Extension faculty to effectively engage and program to diverse clientele. Additionally, we will outline best practices for assessing the needs of this audience and evaluating program outcomes.	6/7/2021	6/7/2021	319601	John Diaz	trad	6	Palm Beach County Extension Office
8	31960	Navigating Difference: Cultural Awareness	The goal of this meeting to provide engaging activities to increase cultural awareness and competency for Extension faculty to effectively engage and program to diverse clientele. Additionally, we will outline best	6/8/2021	6/8/2021	319602	John Diaz	trad	6	Osceola County Extension Office

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Initiative	IST Num	Title	Purpose and Objective	Start Date	End Date	Session ID	Faculty Lead	Type	Hours	Location
			practices for assessing the needs of this audience and evaluating program outcomes.							
8	31960	Navigating Difference: Cultural Awareness	The goal of this meeting to provide engaging activities to increase cultural awareness and competency for Extension faculty to effectively engage and program to diverse clientele. Additionally, we will outline best practices for assessing the needs of this audience and evaluating program outcomes.	6/9/2021	6/9/2021	319603	John Diaz	trad	6	Columbia County Extension Office
8	31961	Using Needs Assessments to Save Time, Money, and Headache to Set Your Program Priorities - Defining your Community's Needs and the Extension Agent's 'To Do' List	The purpose of this needs assessment series is to help UF/IFAS Extension faculty understand and use needs assessments to guide program priorities.	3/30/2021	3/30/2021	319611	Matt Benghe	Dist	1	Zoom
8	31961	Using Needs Assessments to Save Time, Money, and Headache to Set Your Program Priorities - Using your Advisory Committee to Identify Needs	The purpose of this needs assessment series is to help UF/IFAS Extension faculty understand and use needs assessments to guide program priorities.	4/14/2021	4/14/2021	319612	Matt Benghe	Dist	1	Zoom
8	31969	Navigating Difference Training	The WSU Navigating Difference Training is based on the WSUE Cultural Competencies and is designed using key adult education theory and practice that create a safe and welcoming environment for all learners. The learning activities respect and support individual learning styles, and the participants' life experiences are viewed as an important source of knowledge. The intent of the program is to gain knowledge and skills that can be used when engaging in a new situation/culture, rather than focusing on specific cultural knowledge.	Canceled	Canceled	319691	John Diaz	trad	20	UF-IFAS Osceola County Extension Office

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Initiative	IST Num	Title	Purpose and Objective	Start Date	End Date	Session ID	Faculty Lead	Type	Hours	Location
8	31996	Scholarship in Extension 2.0 Virtual Workshop	This is an advanced version of the Scholarship in Extension in-service training offered in Spring 2020. Participants will learn what scholarship in extension means; how to build a diversified scholarship portfolio; different types of plagiarism and how to avoid; guidance for publishing teamwork; when its necessary to complete an IRB application; and receive step by step instructions from an IRB Office representative on how to complete the online IRB application. Submit your IRB questions in advance of the session to nsamuel@ufl.edu, so that the IRB office and research them in advance, if needed.	6/22/2021	6/22/2021	319961	Norma Samuel	dist	4.5	Virtual
8	32005	Crossposting to enhance your social media presence	Crossposting is an excellent tool for users to keep our social media active and relevant. To maintain algorithmic boosts, pages should post at least once per day and a max of twice per day. Crossposting is a way to use videos across multiple Pages and keep these boosts going. You can crosspost an already-posted video on Facebook Pages without having to upload it again, either within the same Page or across Pages as a Business Manager. Crossposting relationships are reciprocal and offer benefits to both pages involved in the crosspost. Traffic is seen in our Insights from the posts we make and if you are the originator of the post, you can access insights from the posts that result from crossposting privileges. Crossposting can save time when you need social media resources: less time creating and uploading videos and less time	12/15/2021	12/15/2021	320051	Heather Janney	dist	2	Zoom

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Initiative	IST Num	Title	Purpose and Objective	Start Date	End Date	Session ID	Faculty Lead	Type	Hours	Location
			creating content. This is especially beneficial to help us with catering to different audiences and geographies. Views are consolidated on one uploaded video and these benefits can be shared across organizational Facebook Pages. Crossposting in moving our brand to the future of having a strong united front on social media for UF/IFAS Extension.							
8	32006	Grantsmanship for Extension Agents - Applying for Grants	<p>To share lessons learned and inspire increased participation and productivity in grantsmanship by extension agents.</p> <p>Session 1 learning objectives:</p> <p>Understand key terms, contacts, and processes related to grant proposal preparation</p> <p>Gain a working knowledge of grant proposal budgets and forms</p> <p>Deepen understanding of and desire to participate in and lead grant-funded activities</p>	12/13/2021	12/13/2021	320061	Savanna Barry and Lisa Krimsky	dist	2	Zoom
8	32006	Grantsmanship for Extension Agents - Managing Grants	<p>To share lessons learned and inspire increased participation and productivity in grantsmanship by extension agents.</p> <p>Session 2 learning objectives:</p> <p>Understand key terms, contacts, and processes related to grant management</p> <p>Increase efficiency and success in grant management tasks such as hiring, report writing, and team communication</p>	12/15/2021	12/15/2021	320062	Savanna Barry and Lisa Krimsky	dist	2	Zoom

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Initiative	IST Num	Title	Purpose and Objective	Start Date	End Date	Session ID	Faculty Lead	Type	Hours	Location
			Gain strategies for accomplishing grant deliverables through case studies that illustrate the “pitfalls to the positives” of grant management							
8	32026	CED In-Service Training	To provide annual professional development and updates for UF/IFAS County Extension Directors.	10/27/2021	10/28/2021	320261	Matt Bengé	mixt	12	Hybrid
8	32028	Creating Strong Situation and Impact Statements: Writing a Strong Situation Statement	The purpose of the IST series is to provide practical examples of how to write strong, data-driven situations statements that clearly demonstrate the need for Extension programming and subsequently, how to connect annual impact statements back to the original situation statement.	11/1/2021	11/1/2021	320281	Amy Harder	dist	1	Zoom
8	32028	Creating Strong Situation and Impact Statements: Easy Ways to Find Data for Your Situation Statement	The purpose of the IST series is to provide practical examples of how to write strong, data-driven situations statements that clearly demonstrate the need for Extension programming and subsequently, how to connect annual impact statements back to the original situation statement.	11/5/2021	11/5/2021	320282	Amy Harder	dist	1	Zoom
8	32028	Creating Strong Situation and Impact Statements: Follow the Logic: Writing Impact Statements that Show How Your Extension Program Improved the Situation	The purpose of the IST series is to provide practical examples of how to write strong, data-driven situations statements that clearly demonstrate the need for Extension programming and subsequently, how to connect annual impact statements back to the original situation statement.	11/8/2021	11/8/2021	320283	Amy Harder	dist	1	Zoom

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Initiative	IST Num	Title	Purpose and Objective	Start Date	End Date	Session ID	Faculty Lead	Type	Hours	Location
8	32045	Getting to Nationals: Submitting an Award Winning Abstract	This IST will help agents expand their ability for professional scholarship by increasing their likelihood to win awards on a state, regional, and national level.	1/19/2022	1/19/2022	320451	Alicia Halbritter	dist	2.5	Virtual
8	32046	Real Colors to Enhance Relationships with Colleagues and Clientele	One of the most important qualities of an extension agent and/or specialist is to be able to connect with colleagues and clientele through communication. Peer-to-peer communication is one of the most vital elements for success. Without this, faculty will not be able to reach their full potential in their roles. The foundation of this workshop is the psychological research-based Real Colors® Personality Type Test: a user-friendly, intuitive tool that identifies four personality types common to all people—Gold, Green, Blue, and Orange. Real Colors is simple to use and can easily be incorporated into all aspects of personal and professional life. Through Real Colors, participants will gain a completely new perspective on themselves and the things that are most important to them. As they learn more about the colors, they'll be able to instinctively recognize characteristics of people, and their color. Real Colors provides valuable insight into what is most important to them, why they may react to situations differently than others, and how participants can best communicate with others.	1/25/2022	1/25/2022	320461	Heather Janney	Dist	4	Virtual

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Initiative	IST Num	Title	Purpose and Objective	Start Date	End Date	Session ID	Faculty Lead	Type	Hours	Location
8	32066	Extension Faculty Development Academy – Session A	Florida Extension requires new extension faculty to attend two sessions of the Extension Faculty Development Academy during their first year of hire. These trainings relate to teaching and learning, program development, and program evaluation. New extension faculty must attend Session A before they can attend Session B. The Academy supplements CED/DED training and information provided by your mentor.	3/1/2022	3/3/2022	320661	Matt Benge	Trad	18	Fifield Hall
8	32067	Extension Faculty Development Academy – Session B	Florida Extension requires new extension faculty to attend two sessions of the Extension Faculty Development Academy during their first year of hire. These trainings relate to teaching and learning, program development, and program evaluation. New extension faculty must attend Session A before they can attend Session B. The Academy supplements CED/DED training and information provided by your mentor.	4/19/2022	4/21/2022	320671	Matt Benge	Trad	18	Fifield Hall
8	32093	Resiliency: Thriving in Turbulent Times	Historically and now more so than ever a majority of employees view their jobs as the number one stressor in their lives, based on a CDC reports. Our employees are now working in a constantly connected, always on call and in highly demanding work cultures where stress and the risk of burnout is almost a given. Since the pace and expectations of our work culture are not likely to change, it is important that we train our employees in	5/17/2022	5/17/2022	320931	Stacey Ellison	trad	5	4-H Camp Cloverleaf

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Initiative	IST Num	Title	Purpose and Objective	Start Date	End Date	Session ID	Faculty Lead	Type	Hours	Location
			<p>understanding their personal resilience and knowing. An awareness of strategies they default to in times of stress as well as strategies they need to work on developing are important steps in developing a proactive resilience (or "prosilence") plan.</p> <p>Led by trained facilitators Brent Broaddus and Dr. Stacey Ellison, participants in this IST will complete the personal resiliency inventory, assess their personal resilience profile and create action plans to strengthen their resiliency response. Content will also focus on how to help clients build their resiliency and the important connections between resiliency and work engagement. Participants will leave with a completed prosilence plan.</p>							
8	32098	Resiliency: Thriving in Turbulent Times	<p>Historically and now more so than ever a majority of employees view their jobs as the number one stressor in their lives, based on a CDC reports. Our employees are now working in a constantly connected, always on call and in highly demanding work cultures where stress and the risk of burnout is almost a given. Since the pace and expectations of our work culture are not likely to change, it is important that we train our employees in understanding their personal resilience and knowing. An awareness of strategies they default to in times of stress as well as strategies they need</p>	5/19/2022	5/19/2022	320981	Stacey Ellison	trad	5	4-H Camp Cherry Lake

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Initiative	IST Num	Title	Purpose and Objective	Start Date	End Date	Session ID	Faculty Lead	Type	Hours	Location
			<p>to work on developing are important steps in developing a proactive resilience (or "prosilience") plan.</p> <p>Led by trained facilitators Brent Broaddus and Dr. Stacey Ellison, participants in this IST will complete the personal resiliency inventory, assess their personal resilience profile and create action plans to strengthen their resiliency response. Content will also focus on how to help clients build their resiliency and the important connections between resiliency and work engagement. Participants will leave with a completed prosilience plan.</p>							
8	32152	County Extension Director In-Service Training	The purpose of the annual CED IST is to provide you with professional development and most up-to-date information needed to fulfill the CED successfully.	10/25/2022	10/27/2022	321521	Matt Benge	trad	15.25	Gainesville, FL
8	32159	Effective Mentoring Practices: Voices from the Field	The purpose of this IST is to provide mentors with practical tips from experienced county and state faculty. The content will be organized around the three mentoring functions: (a) role modeling, (b) career advancement, and (c) psychosocial support. Participants will increase their knowledge of those functions and will be able to identify at least one action they intend to take as a result of attending the IST. Panelists include Matt Benge, Assistant Professor, Agricultural Education and	Postponed	Postponed	321591	Amy M. Harder	dist	1	Microsoft TEAMS

IST Guidebook 2021

Initiative	IST Num	Title	Purpose and Objective	Start Date	End Date	Session ID	Faculty Lead	Type	Hours	Location
			Communication, and Liz Felter, Regional Specialized Agent, Central District.							
8	32173	Extension Faculty Development Academy - Session A	Florida Extension requires new extension faculty to attend two sessions of the Extension Faculty Development Academy during their first year of hire. These trainings relate to teaching and learning, program development, and program evaluation. New extension faculty must attend Session A before they can attend Session B. The Academy supplements CED/DED training and information provided by your mentor.	2/1/2023	2/3/2023	321731	Matt Bengé	trad	18	Florida Farm Bureau – Gainesville
8	32174	Extension Faculty Development Academy - Session B	Florida Extension requires new extension faculty to attend two sessions of the Extension Faculty Development Academy during their first year of hire. These trainings relate to teaching and learning, program development, and program evaluation. New extension faculty must attend Session A before they can attend Session B. The Academy supplements CED/DED training and information provided by your mentor.	4/11/2023	4/13/2023	321741	Matt Bengé	trad	18	Straughn Center