



Louisiana Cooperative Extension Service
LSU AgCenter
2016 Joint Meeting of PLN, AEA and ASRED
August 22-26, 2016

Agriculture and Natural Resources (ANR)

- **The Louisiana Advanced Master Gardener (LAMG) program** graduated its first class on May 12, 2016. A total of 71 applicants completed all requirements to graduate the 2 year program. The received training in private pesticide applicator certification (pre-requisite), in soil/nutrient management, first detector, IPM, irrigation, and communications. LAMGs will serve as environmental stewards supporting horticultural environmental education at the parish level.
- **EPA FIFRA Section 18/Crisis Exemption requests** were developed and submitted for products to manage blackbirds in rice (AV-1011), west Indian cane fly (acetamiprid) sugarcane aphid (sufoxaflor), tarnished plant bug (sulfoxaflor).
- Education and outreach programs have been established for the public and small landowners concerning the **invasion of the Emerald Ash Borer in five Louisiana Parishes**.
- The LSU AgCenter cooperated with the Louisiana Dept. of Agriculture and Forestry to develop an **education program for Unmanned Aircraft Systems (UAS) users in Louisiana Agriculture**.
- Education, outreach, and service programs were implemented to support **distribution of a biocontrol agent, the giant salvinia weevil**, to the Louisiana Dept. of wildlife and fisheries and private landowners to manage the invasive weed species, giant salvinia. A committee with representatives from Louisiana Dept. of Wildlife and Fisheries, Soil and Water Conservation Districts, Louisiana Landowners Association, two regional state universities, and Delta Waterfowl was formed to develop a MOA to assist in the delivery of infested material to public and private lands.
- Five factsheets in the new public health entomology series: Zika Virus, Scabies, Choosing the Correct Repellents Mosquito-borne Viruses, and Fireflies and Pesticides: Just the Facts were developed by Extension Entomologist, Dr. Kristen Healy.

- LSU School of Animal Sciences changed its degree major from **Animal, Dairy and Poultry Sciences to Animal Sciences**. Currently the School is in the process of restructuring the curriculum to be geared towards the concentrations of animal production, animal products and science (including pre-veterinary).
- LSU AgCenter is no longer focusing on **dairy cattle production**, therefore, the Southeast Research Station went through a dairy herd reduction process. A herd of this reduced size will allow numerous extension activities and events such as judging contests, clinics, and field days.
- LSU AgCenter scientists just completed a study looking at **feral hog damage** to water bodies. It was found that water samples taken from 40 bodies of water with known feral hog presence, contained at least one pathogenic organism that could be unsafe for humans or wildlife.

Family and Consumer Sciences

- **Healthy Communities-** Community support and creative ideas can go a long way in improving people's health in rural areas. Healthy Communities, a community-driven effort to identify ways to improve residents' access to nutritious foods and recreation opportunities. The initiative began in West Carroll Parish 2013 and expanded this year to St. Helena, Madison and Tensas parishes after the LSU AgCenter received a two-year, \$1.25 million grant from the U.S. Centers for Disease Control and Prevention. The collaborators are SU Ag Center, Pennington Biomedical Research Center and Department of Health and Hospitals.
- LSU AgCenter implemented a social marketing campaign in 2014 to reach **SNAP-eligible residents** in 32 parishes. Using FNS core messages,

the campaign promoted increased consumption of fruits and vegetables, family meal time and physical activity. The campaign used mass media and local channels for dissemination of messages. Approximately 75 billboards were displayed and LSU AgCenter local extension staff provided reinforcement by distributing print materials such as posters, brochures, activity books; partnering with local entities; and providing direct nutrition education.

Conclusions and Implications - Local staff easily identified goals of the campaign and believed social marketing helped reinforce concepts from direct nutrition education. Campaign materials were utilized well by staff. Local-level partners were supportive of the campaign. Half of phone survey respondents were aware of the campaign and reported seeing billboard messages more than twice. This evaluation indicated that a social marketing campaign using mass media and print materials can be successfully launched in a one year time period with sufficient planning.

- **Consumer Food Safety** - With a new specialist and the current interest in food safety plans are being developed to expand work in this area. The position had been vacant for a couple years. Priority was getting the word out that we were a reliable information source. Based on the number of hits regular podcasts on hot topics have been well received. Requests for media interviews has increased as has programming requests. A seafood safety & technology specialist position is advertised and with it and the current consumer food safety and producer food safety positions we will be able to focus on addressing major food safety issues in the state.
- **School of Nutrition and Food Sciences (SFNS) faculty awards**
Dr. Georgianna Tuuri, appointed as the Ann Armstrong Peltier Professor.
Dr. Subramaniam Sathivel received the LSU Distinguished Faculty Award
Dr. Carol Lammi-Keefe received the American Oil Chemist Society, AOCS Ralph Holman Lifetime Achievement Award.

- **SNFS students received four of four awards from LSU Gamma Sigma Delta**
-Emotion and Purchase Intent of Mayonnaise-Type Spreads as Affected by Nutrient Claims for Sodium Content (Low Sodium, Reduced Sodium and Sodium-Free) - **Ryan Ardoin and Dr. Witoon Prinyawiwatkul**
-Examining the Impact of Participating in a Culinary Skill-Building Program on High School Students -**Brittany Craft and Dr. Georgianna Tuuri**
-Is Maternal Fatty Acid Status Mid-Pregnancy Related to Mothers'-To-Be Usual Diets?- **Carly Thaxton and Dr. Carol Lammi-Keefe**
-Human Norovirus Genotypes I and II in Marine Water: Development of Antibody-Based Rapid Methods. Gamma Sigma Delta Ag Residential College Student's choice award: **Scarlett Swindler and Dr. Marlene James**

4-H

Club Members – 47,945

School Enrichment Special Interest –265,527

Total without duplications –199,997

Youth and Adult Volunteers –9,236

Mission Mandate Enrollment Science, Engineering, and Technology –107,244

Citizenship/Leadership –92,117

Healthy Living –25,454

- **4-H University** - This 4-day learning experience reached 1,450 teens from all 64 parishes of the state. Four-H University provides a range of experiences from competitive events, to short-term educational programs, to more in-depth learning in Clover College.
- **4-H Camp** - Camping is one of the most valuable experiences a child can have. A total of 6,865 youth attended 4-H Summer Camp in 2016. The tracks for summer camp included: Wetlands, Science, Engineering, Technology, Survival Skills, Hunter Safety, Food and Fitness, and Outdoor Adventures.
- **Youth Wetlands Program** – This environmental state-wide program is designed to heighten students' awareness of Louisiana's wetland loss. Since its inception this program has

reached more than 200,000 students in grades 3rd-12th and 2,200 educators in 64 parishes.

- **Community Service and Service-Learning** - Over 50,300 4-H members participated in community service and service-learning projects during the 2015-2016 year. Forty service projects were conducted that benefitted more than 20,000 people with an economic impact of \$21,921.
- **Overnight Chaperone Training Program** Approximately 1,000 adult volunteers serve as overnight chaperones each year for Louisiana 4-H programming. As a result of the Louisiana 4-H overnight chaperone training program, 98 percent of participants felt that they have gained information on how to create a positive environment for youth. Ten years after the creation of the program, it continues to provide tools, guidelines, and training for 4-H adult volunteers