



Producer Advisory Council Virtual Commodity Session Notes

February 2021

Thank You

to our Partner





Dear Community Partner,

In our constantly changing world, it is more important than ever for us to continue to reach out and work with our clients and community partners, finding creative and innovative ways to share our knowledge and ideas, while promoting the health and safety of our staff and communities.

The following pages contain the report from the 2021 Annual Producer Advisory Council (PAC) Meeting of the Mississippi State University (MSU) Coastal Research and Extension Center (CREC). This meeting allows producers and community leaders like yourself to communicate concerns, identify needs, and express opinions and feedback to allow Mississippi State University to better meet your needs.

As you know, this year we went Virtual due to Covid-19. Over 25 video presentations were made by MSU faculty, staff, and administrators and were available on our YouTube channel (MSU CREC) for clients to view and comment. These videos covered program topics available from MSU Extension and MS Agriculture & Forestry Experiment Station (MAFES), which are part of the Division of Agriculture, Forestry & Veterinary Medicine (DAFVM). With 75 individuals registered, we had 385 total video views and 60 survey responses with important and constructive feedback. These videos can continue to be accessed by going to <http://coastal.msstate.edu/advisory/2021>.

If you were able to “attend” this year’s virtual meeting, I want to thank you for your time and participation and look forward to continuing to work with you throughout the year. Moving forward, we challenge you to spread the word about MSU Extension and MAFES and what we do to help you, your colleagues, and fellow producers. We ask you to encourage them to attend future PAC meetings as well.

If you were unable to participate, we invite you to learn more about what we do at www.coastal.msstate.edu and hope that you will join us next year at our Annual Meeting held the last week of February. The Coastal Research and Extension Center was established in 1988 and is based in Biloxi, MS. CREC oversees Extension programs in the 21 southeastern counties of Mississippi, on the reservation of the Mississippi Band of Choctaw Indians, and at the Crosby Arboretum in Picayune. CREC also administers experiment stations in Harrison, Jackson, Perry, and Pearl River Counties under the Mississippi Agriculture & Forestry Experiment Station system.

Your continued support and participation makes our impact on the communities we serve even stronger.

Sincerely,

James E. Henderson, Ph.D.
Professor and Head
Coastal Research & Extension Center

Mississippi State University, United States Department of Agriculture, Counties Cooperating

Annual Meeting

of the



MISSISSIPPI STATE UNIVERSITY™
COASTAL RESEARCH & EXTENSION CENTER

Producer Advisory Council

February 2021

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APICULTURE

Dr. Jeff Harris , MSU Chair
28 Views

Dr. Jeff Harris discussed the following topics:

- Income from honey bees in Mississippi
- Chinese Tallow – a major honey plant
- Biocontrol of Chinese Tallow
- All beekeepers must manager Varroa mites
- Oxalic acid vaporization
- New information about Miticides
- Small Hive Beetle Research
 - Testing attractants
 - Soil toxicology
 - Reproductive morphology and behavior
 - Biological control
- New Extension publications coming soon
 - First Year Beekeeping: A Seasonal Guide for North Mississippi
 - Beginning Beekeeping and Growing New Colonies in Mississippi

Commenters expressed a need for more short courses and field days, as well as Extension publications and online workshops.

FORESTRY

Dr. Shaun Tanger, MSU Chair
24 Views

Dr. Tanger discussed the following:

- Delivery and Effectiveness of Timber Taxation Statewide Program
- Updated Economic Contributions of Forestry Profiles for MS Counties
- Discussed Economic Impacts of COVID-19 on Forestry Markets
- Comparing returns of Longleaf and Loblolly with cost-share benefits that were requested at the PAC from the previous year
- Efforts to Improve Transportation Networks in MS for Logging and Forestry

Commenters expressed a need for more short courses and field days, as well as Extension publications and online workshops. Some feel that virtual programming is a poor substitute for in-person work in the forestry sector, but given the current situation it was also expressed that virtual was the best option and was being very well done.

HORTICULTURE

Dr. Gary Bachman and Dr. Patricia Knight, MSU Chairs
72 Views

Topics Included:

Home Horticulture

Ornamental Horticulture

Fruits & Vegetables

Floral

The MSU Coastal Horticulture Group consists of Commercial and Home Horticulture, Fruits and Vegetables, and Floral commodity areas.

Dr. Delprince discussed the floral programs he has available:

- Farmer-Grower-Producer (Beautiful Things from Mississippi)
- Master Floral Designer
- Floral Enthusiast
- Professional Florist

The Horticulture group discussed the following:

- Fruits & Vegetables
 - Small Fruits Program
 - Viticulture
 - Vegetables
- Horticulture Economics
 - Linear Programming
 - Consumer Preference of Poinsettias
 - Economic Impacts
- Ornamental and Home Horticulture
 - Home Horticulture/Southern Gardening
 - Ornamental Horticulture
 - Commercial variety trials at South Mississippi Branch Experiment Station

Our participants mentioned needing vegetable variety recommendations from trials and floral production for home and commercial use in Mississippi. Their preferred resources are field days (81%), short courses (50%), in person workshops (38%), publications (44%) and online workshops (31%). These horticulture consumers (81%), producers (19%) and retail (6%) survey participants found the video sessions concise, easy to follow and worth their time.



LIVESTOCK

Dr. Daniel Rivera, MSU Chair
12 Views

Dr. Daniel Rivera discussed the following:

- White Sands Branch Unit research
- Castration methods
 - Banding vs Knife
 - Performance and haptablobin
- Direct fed beef
 - Covid market disruptions
- Three treatments
 - Complete ration
 - Soyhull limited
 - Corn limited
- Performance and economics of feeding cattle at home
- Extension Programs for Agents and producers via Zoom
 - Basics of Cattle Nutrition
 - Potential of feeding cattle at home
 - Forage and hay production in Fall
 - Economics of hay production in Winter
- To offset Covid, BQA and Private Applicator Training have launched online access to allow producers to maintain certification.
- Dr. Leyla Rios de Alvarez is the new Small Ruminant specialist on campus

Commenters expressed a need for more short courses and field days, as well as Extension publications, MAFES bulletins and in-person workshops.

MARINE RESOURCES

Dr. Ben Posadas, Dr. Marcus Drymon, Dr. Eric Sparks,
Dr. Sam Chang and Dr. Mark Woodrey, MSU Chairs

118 Views

Topics Included:

Avian Ecology

Bats

Boat Wakes

Clam Aquaculture

Coastal Conservation

Derelict Crab Traps

Economic Research

Fisheries Ecology

Living Shorelines

Marine Debris

Marsh Vegetation

Microplastics

Sea Level Rise

Seafood Lab

The Marine Resources group produced 18 videos concerning the various topics above.

A broad overview of some programs are as follows:

The Coastal Conservation and Restoration Program's mission is to put science into practice by providing coastal stakeholders with the knowledge they need to make sound environmental, economic, and resilient decisions. The process of gathering information and getting it to people that can use it involves Extension, applied research, outreach, and education activities.

The Marine Fisheries Ecology group is focused on providing science-based solutions to common issues affecting commercial and recreational fishermen in the northern Gulf of Mexico. Research objectives are to better understand the abundance and distribution, life history (age and growth, maturity), movements and migrations, and feeding ecology of a wide range of important species, including coastal sharks, reef fishes, and coastal pelagics.



Since 1990, the Marine Economics program has consistently developed and maintained economic research and extension programs with an emphasis on the following major areas. Marine fisheries economics; Marine aquaculture economics ; Ornamental horticulture economics; Economics of natural and technological disasters; and Seafood marketing.

The primary mission of the Experimental Seafood Processing Laboratory is to provide scientific and technical leadership and guidance to the seafood industry in the State of Mississippi. Multidisciplinary areas of research interest involve university, government and private industry on a statewide, national and international basis. Research interests include but are not limited to: post harvest handling of finfish and shellfish; physico-chemical quality; microbial quality and safety; product development; development of underutilized species of finfish and shellfish; utilization of traditional seafood processing by-product; and remediation of by-product waste.

The Avian Ecology group has helped establish the Gulf of Mexico Avian Monitoring Network, or GoMAMN, to better understand the many bird species that frequent the Gulf Coast.

Commenters wished to have more Extension publications on the subject matter and expressed interest in further monitoring of water sources for micro-plastics, the impact of man-made activities on the natural environment and more research to determine the best methods for saving the Back Bay shoreline from erosion.

POULTRY

Dr. Tom Tabler, MSU Chair
29 Views

Dr. Tom Tabler discussed the following:

- Large increase in backyard flocks because of COVID-19.
- Many mail order hatcheries overwhelmed with orders in 2020, continuing in 2021. Order early.
- Several backyard chicken programs offered by MSU Extension.
- Register with Mississippi Board of Animal Health if you plan to sell meat or eggs to public.
- Choose your chicken breeds wisely based on what you want (consider expense of purchasing chicks, housing, feed, predator protection). Follow biosecurity to keep flocks safe.
- Extension will still do in-person trainings/programs to assist backyard producers. Let us know how we can help.

Commenters expressed a need for more short courses and field days, as well as Extension publications and in-person workshops.





Mission: The Coastal Research and Extension Center is Mississippi State University’s “southern exposure,” linking residents of the coastal region to the university. The center’s mission is to conduct research and education programs aimed at developing a better understanding and use of renewable and nonrenewable resources in south Mississippi. Its applied research and educational programs with biological, physical and social systems focus on enhancing the quality of life of residents of Mississippi and other Gulf states. Our priorities address the specific needs of diverse communities including the health and well-being of the people and responsible stewardship of unique natural resources.

Vision: Coastal Research and Extension Center is the leader in providing responsive solutions addressing social, environmental, and economic integration of Research and Extension.

What we do and where we do it:

<p>Coastal Research and Extension Center 1815 Poppo Ferry Rd Biloxi, MS 39532 Phone: 228-388-4710 Fax: 228-388-1375</p>	<ul style="list-style-type: none"> • Coastal avian ecology • Coastal restoration ecology • Forest management • Marine fisheries ecology • Natural Resources and agricultural economics • Ornamental horticulture • Sea-level rise in coastal Mississippi • Vegetable horticulture
<p>South MS Branch Experiment Station Includes Poplarville, White Sands, and McNeill Units 810 Highway 26 West * PO Box 193 Poplarville, MS 39470 Poplarville Phone: 601-795-4525 White Sands Phone: 601-795-4805</p> <p>Beaumont Horticultural Unit 475 Hwy 15 Beaumont, MS 39423 Phone: 601-788-6616 Fax: 601-788-5522</p>	<ul style="list-style-type: none"> • Beef nutrition • Host to USDA ARS Thad Cochran Southern Horticultural Library • Ornamental horticulture • Small Fruits horticulture • Vegetable horticulture
<p>Experimental Seafood Processing Laboratory 3411 Frederic Street Pascagoula, MS 39567 Phone: 228-762-7783</p>	<ul style="list-style-type: none"> • Aquatic processing technology • Food-borne pathogen elimination • Extension of the shelf life of aquatic products • Post-harvest technology • Chemical residue analysis





The Mississippi State University Extension Service provides research-based information, educational programs, and technology transfer focused on issues and needs of the people of Mississippi, enabling them to make informed decisions about their economic, social, and cultural well-being.

The **Coastal Extension Region Office** serves these 21 southeastern Mississippi counties, as well as the Federally Recognized Tribes Extension Program with the Mississippi Band of Choctaw Indians (MBCI).

1815 Popp's Ferry Rd * Biloxi, MS 39532 * Phone 228-388-4710 * Fax 228-388-1375

Dr. James Henderson, Head * Ms. Tawnya Holliman, Interim Regional Ext Coordinator

County	County Coordinator	Physical Street/Mailing Address	Phone	Fax
Clarke	Christy King	101 Westwood Ave., PO Box 109 Quitman, MS 39355	601-776-3951	601-776-1023
Covington	Ellen Russell	68 Industrial Park Drive Collins, MS 39428	601-765-8252	601-765-5009
Forrest	Tawnya Holliman	952 Sullivan Dr. Hattiesburg, MS 39401	601-545-6083	601-545-6173
George	Heath Steede	7128 Highway 198 East, PO Box 738 Lucedale, MS 39452	601-947-4223	601-947-4224
Greene	Angie Byrd	#2 Oak Street, PO Box 730 Leakesville, MS 39451	601-394-2702	601-394-2741
Hancock	Christian Stephenson	856 Highway 90 Ste B Bay St. Louis, MS 39520	228-467-5456	228-466-6225
Harrison	Tim Ray	9229 Hwy 49, PO Drawer Z Gulfport, MS 39502	228-865-4227	228-868-1470
Jackson	Caitlin Jackson	4111 Amonett St, Ste E, PO Box 1248 Pascagoula, MS 39568	228-769-3047	228-769-3347
Jasper	Kelby King	37B West 8th Ave., PO Box 506 Bay Springs, MS 39422	601-764-2314	601-764-2035
Jeff Davis	Thomas Brewer	2304 Pearl Avenue, PO Box 580 Prentiss, MS 39474	601-792-5121	601-792-5123
Jones	Kimberly Hancock	515 North 5th Ave., PO Box 448 Laurel, MS 39441	601-428-5201	601-428-3158
Kemper	Malikah Jones	Rt 4, Box 332 Old Scooba Rd, PO Box 339 DeKalb, MS 39328	601-743-2837	601-743-5581
Lamar	Ross Overstreet	216 Shelby Street Ste B, PO Box 419 Purvis, MS 39475	601-794-3910	601-794-5515
Lauderdale	Shani Hay	1022 Hwy 19 South Meridian, MS 39301	601-482-9764	601-482-9777
Marion	Amanda Woods	1060 Hwy 13 South Columbia, MS 39429	601-736-8251	601-731-3791
Neshoba	Chase Domingue	12000 Hwy 15 N, Ste 2 Philadelphia, MS 39350	601-656-4011	601-656-5505
Newton	Katrina McCalphia	65 Seventh Street, PO Box 188 Decatur, MS 39327	601-635-7011	601-635-2146
Pearl River	Eddie Smith	417 Hwy 11 North Poplarville, MS 39470	601-403-2280	601-795-0651
Perry	Brittany Odum	103-B 2nd Street West, PO Box 405 New Augusta, MS 39462	601-964-3668	601-964-8480
Stone	Brad Jones	214 N Critz St, Suite A Wiggins, MS 39577	601-928-5286	601-928-4677
Wayne	Jessica Sibley	810-A Chickasawhay St Waynesboro, MS 39367	601-735-2243	601-735-6264
MBCI	Kaiti Ford	133 Ag Center Drive/PO Box 6010 Choctaw, MS 39350	601-656-9679	601-650-1992





The Crosby Arboretum

With increasing value being placed on our natural heritage, The Crosby Arboretum is the premier native plant conservatory in the Southeast. The Arboretum was established as a living memorial to L.O. Crosby, Jr. (1907-1978) and has expanded to become a resource for education in the region and the world. Today, it provides for the protection of the region's biological diversity as well as a place for the public's enjoyment of plant species native to the Pearl River Drainage Basin of south-central Mississippi and Louisiana. It allows us to study and learn about plants and plant products so that we may use them to their best advantage and ensure their continuous propagation in the future. Aesthetic, agricultural, scientific, and industrial contributions of native plant species and ecosystems can be examined in a real-life setting at the Arboretum.

The 104-acre Native Plant Center of The Crosby Arboretum serves as the focus of Arboretum activities and development. It includes the Pinecote Pavilion and the Piney Woods Lake for display of native water plants in their natural setting. The Pinecote Pavilion and the many wooden bridges that complement the lake were designed by award-winning architect Fay Jones, of Fayetteville, Arkansas to enhance the artistic and functional aspects of the Arboretum.

The Crosby Arboretum also manages 700 acres in seven associated natural areas. The assemblages of carefully selected and protected lands nurtures over 300 species of indigenous trees, shrubs, wildflowers, and grasses. Rare, threatened, or endangered species of plants and wildlife are present at throughout the Arboretum's preserves. Unusual plants have their place as well. The Arboretum protects and manages several lovely pitcher plant bogs both on site and within the natural areas. Edible, poisonous, and aromatic plants, too, are found at the Arboretum. As the seasons unfold their splendor, the Arboretum provides a clear, unobstructed view of the variety and beauty of our natural resources.

More than attractive features of our landscape, plants are an integral part of the environment we inhabit. Our own survival will be threatened if they do not flourish. Therefore, humankind's best interests can be served by the study of our plant neighbors with which we share this planet.



The Crosby Arboretum
370 Ridge Road * P.O. Box 1639
Picayune, MS 39466
Phone: 601-799-2311
Fax: 601-799-2372
crosbyarboretum.msstate.edu

Open
Wednesday – Sunday
9:00 am – 4:30 pm





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coastal.msstate.edu



Coastal Conservation & Restoration Program
Horticulture & Marine Economics
Mississippi Coastal Cleanup
Mississippi Market Maker
Mississippi Master Naturalists
Mississippi State University Coastal Research and Extension Center
Mississippi State University Extension Service
Mississippi State University Marine Fisheries Ecology
MSU Division of Agriculture, Forestry, and Veterinary Medicine
MSU Extension Coastal Floral
MSU South Mississippi Branch Experiment Station
Southern Gardening
The Crosby Arboretum



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@MS_MarketMaker
@NGOM_SSC (Northern Gulf of Mexico Sentinel Site Cooperative)
@SoGardening



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The Crosby Arboretum



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