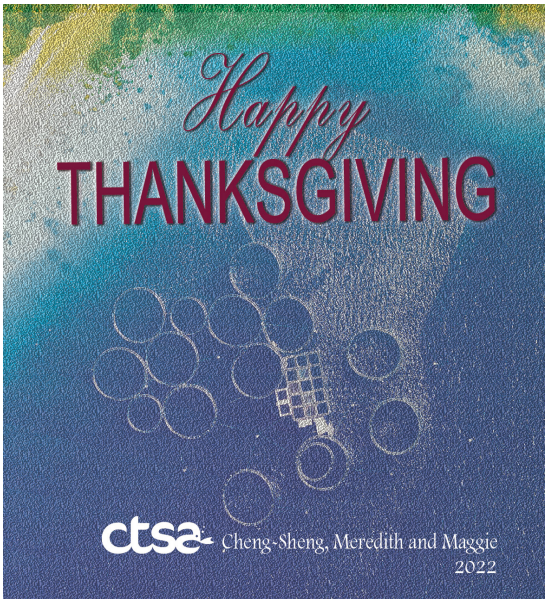
CENTER FOR
TROPICAL AND SUBTROPICAL
AQUACULTURE

Regional e-Notes ~ November 2022 ~ Volume 14, Issue 11

Letter from the Director



Aloha,

I would like to start this seasonal message by expressing my sincerest appreciation for you, our valued stakeholders, for your continued support of our program. As the CTSA team reflects on all that we are grateful for, we want to share our gratitude for the many people who dedicate time and share their knowledge and expertise to help CTSA achieve its mission. It brings me much hope and joy that with each passing year, more and more people from different sectors and research disciplines have expressed their desires to work together for the betterment of our island communities and regional aquaculture industry.

We are currently working with researchers, industry, and reviewers to develop a robust CTSA FY22 Plan of Work; each proposal has undergone internal and external review and is being revised according to technical and industry needs. We are thankful for all of the people who participate in this process to ensure that CTSA funded projects achieve the desired impacts. We are also pleased to share with you a new CTSA publication highlighting the impacts of recently funded projects: Project Impacts 2022, link in article below.

On another note, I would like to share some good news; the 193rd Meeting of the Western Pacific Regional Fishery Management Council has included “Alternatives for an Aquaculture Management Framework in the Western Pacific” as one of their three primary action items. Closer coordination between fisheries and aquaculture will secure our seafood supply and help address food security for the ever-growing global population.

I hope you had a wonderful Thanksgiving and that you enjoy this season of gathering with your lovely family and friends.

Mahalo,
Dr. Cheng-Sheng Lee
Executive Director, CTSA

New Publication! CTSA Project Impacts

CTSA is pleased to release our *Project Impacts (2022*) publication to highlight the accomplishments of the Center and our funded projects.

The 24-page booklet serves as an update to the *Project Impacts* publication released nearly a decade ago, and focuses on the accomplishments and impacts of CTSA projects since 2013. The file can be shared and/or downloaded from the CTSA website.

Aquaculture Announcements

USDA Virtual Workshop: Whole-Farm Revenue Protection and Micro Farm Insurance
The USDA is offering a virtual workshop on Dec. 13 for agricultural producers and stakeholders to learn about the latest updates and improvements to the Whole-Farm Revenue Protection (WFRP) and the Micro Farm insurance options, two of the most comprehensive risk management options available.

These insurance options are especially important to specialty crop, organic, urban, and direct market producers, and this is part of the USDA's Risk Management Agency (RMA) efforts to increase participation in these options and crop insurance overall. RMA will host the workshop for agricultural producers via Microsoft Teams events: Tuesday, Dec. 13 at 11 a.m. ET (click to join). RSVP is not required. Attendees will have a chance to submit written questions during the event. Click here to learn more.

Reminder: Sign Up For 2022 Census of Aquaculture
The 2022 Census of Agriculture is right around the corner and USDA NASS is making every effort to count

all aquaculture producers in the United States. If you produce any aquaculture products and want to make sure that you are counted in the 2022 Census of Agriculture and the 2023 Census of Aquaculture, please sign up your operation using this online form: https://www.agcounts.usda.gov/cgi-bin/counts/. Once you have signed up, you might receive a short survey in the next two years to further categorize your operation. Most likely, you will not receive a survey until the 2022 Census of Agriculture in January or February, 2023.

AquaClip: Shrimp and kampachi get a $1.25 million boost from Hawai'i Sea Grant

Improving the reproduction of kampachi (also known as longfin yellowtail or Almaco Jack) and Pacific white shrimp in Hawai'i is the focus of a University of Hawai'i at Mānoa's College of Tropical Agriculture and Human Resources (CTAHR), UH Sea Grant College Programme (Hawai'i Sea Grant) and Hawai'i Pacific University's (HPU) Oceanic Institute (OI) research partnership.

Nearly $1 million in funding from a National Oceanic and Atmospheric Administration (NOAA) Sea Grant will address the key barriers of kampachi production by focusing on improving egg quality, fecundity (ability to produce many offspring) and juvenile development. Nearly $250,000 will fund a second project that will use a genomic approach to improve the reproduction performance of shrimp, including laboratory experiments to assess and improve their genetic traits.

Kampachi are among the most valuable finfish groups for offshore aquaculture development. Yet, they are notoriously difficult to rear and harvest on a large commercial scale. At the same time, despite the shrimp industry's massive volume and the US being a leader in shrimp genetics research, programmes on genetic improvement have given little attention to shrimp egg and larvae production.

"Through an integrated collaboration among university research, extension efforts and industry partners, the results obtained through this proposed work will result in the facilitation and expansion of commercial development of these and related species," said Andre P Seale of CTAHR's Department of Human Nutrition, Food and Animal Sciences and principal investigator of the kampachi study. "By addressing production constraints, this combined HPU and UH effort will contribute to increasing commercial production in Hawai'i."

"This is a critical time for aquaculture, food security and our ability to feed humans sustainability around the world," added Bradley (Kai) Fox of Hawai'i Sea Grant. "We are very fortunate to be able to collaborate with researchers at OI to push cutting-edge technologies with global relevance forward, while at the same time recognising, appreciating and learning from our host culture here in Hawai'i, where aquaculture has been practiced and refined for a thousand years."

Source: The Fish Site // Original Article

This newsletter is written and prepared by the CTSA Information Specialist Meredith Brooks.
The Center for Tropical and Subtropical Aquaculture (CTSA) is one of five regional aquaculture centers in the United States established and funded by the U.S. Department of Agriculture's National Institute of Food and Agriculture (NIFA) under active grants 2018-38500-28886, and 2020-38500-32559. The regional aquaculture centers integrate individual and institutional expertise and resources in support of commercial aquaculture development. CTSA was established in 1986 and is jointly administered by the University of Hawaii and the Oceanic Institute of Hawaii Pacific University.

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