



Aquaculture

Global demand for seafood is projected to increase by 70 percent in the next 30 years, and harvests from capture fisheries are stable or declining. A consensus is growing that a dramatic increase in aquaculture is needed to supply future aquatic food needs. In cooperation with our land-grant university partners and diverse stakeholders, NIFA provides leadership and funding for aquaculture research, technology development, and extension programs.

GENERAL INFORMATION

The current NIFA aquaculture research and extension base is highly diverse in terms of funding mechanisms, areas of research, and species cultured. NIFA also provides leadership, on behalf of the Secretary of Agriculture, to facilitate the coordination of all federal programs in aquaculture. This is done through the Joint Subcommittee on Aquaculture, which reports to the National Science and Technology Council (NSTC) of the Office of Science and Technology Policy in the Office of the Science Advisor to the President.

NIFA's funding of scientific and technology transfer goals to support development of a globally competitive U.S. aquaculture industry includes:


1. improving the efficiency of U.S. aquaculture production;
2. improving aquaculture production systems;
3. improving the sustainability and environmental compatibility of aquaculture production;
4. ensuring and improving the quality, safety, and variety of aquaculture products for consumers;
5. improving the marketing of U.S. aquaculture products; and
6. improving information dissemination, technology transfer, and access to global information and

technology in aquaculture.

Program Type: Emphasis Area Program

Contact: [Gene W. Kim](#)

PARTNERSHIPS

- [Interagency Working Group on Ocean Acidification \(IWG-OA\)](#)
- [NIFA Regional Aquaculture Centers](#) 
- [Algae Working Group, Biomass Research and Development Board](#)

RESOURCES

- [NIFA Awards \\$1.3 Million for Aquaculture Research](#)
- [Aquaculture-Related Research Projects](#)

EXTERNAL RESOURCES

- [ALEARN, Alabama Cooperative Extension](#) 

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Aquaculture

Joint Subcommittee on Aquaculture (JSA)

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- [1890 Institution Teaching, Research and Extension Capacity Building Grants \(CBG\) Program](#)
- [Biotechnology Risk Assessment Research Grants Program \(BRAG\)](#)
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- [Tribal Colleges Education Equity Program \(TCEG\)](#)
- [AFRI Foundational: Animal Health and Production and Animal Products](#)
- [Organic Agriculture Research and Extension Initiative](#)
- [Agriculture and Food Research Initiative - Food Security Challenge Area](#)
- [Small Business Innovation Research Program - Phase I](#)
- [Integrated Research, Education, and Extension Competitive Grants Program - National Integrated Water Quality Program \(NIWQP\)](#)
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