

ABSTRACT

The global aquaculture industry has been growing at about 10 percent a year since 1990. It is probably the world's fastest growing form of food production. Domestic aquaculture can be an effective option to reduce dependence on seafood imports, provide jobs for economically depressed coastal communities, increase regional food supply and security, and augment the market for U.S. agricultural products including soybeans. While fish oil and meal, the basis for aquaculture feed, is arguably sustainable, this supply will not meet expected demand. Dr. Sealey's research explores the potential to use probiotics, gut microflora, to improve the nutritional value and digestibility of plant-based feeds. Many U.S. agricultural crops have the potential to help "feed" this global demand for aquaculture feed.

SPEAKER BIOGRAPHY

Dr. Wendy Sealey is currently a Research Scientist at the University of Idaho, Hagerman Fish Culture Experiment Station. Dr. Sealey received her Ph.D. in nutrition in 2000 at Texas A&M, and earned her B.S in Animal Science and her M.S. in Pathobiology from Auburn University. Current research includes the utilization of probiotics to increase utilization of plant-based diets and elucidating the mechanisms by which various bioactive components endogenous in plant based feedstuffs alter fish health and disease resistance utilizing both functional assays and molecular biology approaches. Dr. Sealey earlier worked for the North Central Regional Aquaculture Center where she assisted farmers with a variety of production issues and served as a liaison between researchers and producers throughout the region. Dr. Sealey has completed research in numerous fish species including channel catfish, hybrid striped bass, red drum, walleye and rainbow trout and authored a number of publications.

THE NATIONAL COALITION FOR
FOOD & AGRICULTURAL RESEARCH

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LUNCH - N - LEARN SEMINAR



THE NATIONAL COALITION FOR
FOOD & AGRICULTURAL RESEARCH

Program:

REBUILDING THE FOOD CHAIN FOR NEMO

An Integrated Approach to Sustainability in Aquaculture
through Alternative Diets

March 13, 2006

PROGRAM

Welcome and Introduction

JOE LAYTON
National C-FAR Board President

Distinguished Speaker

WENDY M. SEALEY, PH.D.
Hagerman Fish Culture Experiment Station
University of Idaho

Open Forum

Closing

JOE LAYTON

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