

**TRAINING IN BEST MANAGEMENT PRACTICES FOR THE PRODUCTION
OF MOLLUSKS IN THE STATES OF NAYARIT AND SINALOA**

Production System Design and Best Management Alternatives/ Activity/ 07BMA04UH

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ABSTRACT

Two intensive workshops were held at the UAS Marine Sciences Facility in Mazatlan, Mexico on November 21 and December 5, 2009. The purpose of the workshops was to increase capacity in the area of good practices for bivalve shellfish culture with an emphasis on the sanitation and health aspects. Much of the content was based on the findings of past and current CRSP investigations. Twenty-eight producers and technical assistance providers from Sinaloa and Nayarit were among the participants.

INTRODUCTION

Bivalve mollusk culture is a priority for aquaculture development throughout LAC. In the case of Mexico, state governments (e.g. North Baja California, South Baja California, Nayarit, Sinaloa, Sonora) and the federal government have prioritized shellfish culture for development for nearly ten years. The Autonomous University of Sinaloa and its numerous partners in aquaculture development have recently worked together in an integrated effort to accelerate development of the shellfish industry with long-term support from CRSP/USAID. Two intensive workshops were held on November 21 and December 5, 2009. Each half day represented a separate module.

The objectives of this training workshop were to:

- Present the results of research and development efforts by stakeholders from the Northern/Central Pacific Coast of Mexico;
- Increase technical capacity among farmers and technical assistance providers.
- Increase extension capacity and partnerships;

- Provide a net working opportunities; and
- Develop strategies for current and future collaborative efforts.

METHODS

The workshop was designed and planned as a collaborative effort between HC institutions (UAS, CESASIN, CIAD) and U.S. Universities (LSU and UHH). The workshop was held on November 21 and December 5, 2009. Originally this series of workshops had been intended to be held on four separate days, but given the many delays caused by the swine flu epidemic in Mexico which resulted in banning of public meetings for several months over the 2009 year, the workshops were condensed into 2 days with four separate modules.

Topics included:

- Five key methods for safe and healthy seafood to prevent food borne diseases (Dr. Omar Calvario, CIAD)
- Community Waste Management (Eladio Gaxiola, UAS)
- How to operate an “ecological latrine” (Eladio Gaxiola, UAS)
- Sanitary risks due to trash and human wastes in aquaculture areas and garbage from fisheries products and operations (Eladio Gaxiola, UAS)
- Oyster culture methods (Gilberto Soto, CESASIN)
- Presentation by community residents on the CRSP projects
- Determination of the carrying capacity of Boca de Camichin Estuary
- Native oyster spat (*Crassostrea corteziensis*) collection at Santa Maria Bay

RESULTS AND CONCLUSIONS

Fifteen stakeholders (12 men, 3 women) attended the first workshop and thirteen attended the second (10 men, 3 women). The workshop was also video-taped and DVD's with the video and PowerPoint presentations were delivered to the participants after conclusion of the workshop.

Benefits

There was a high level of satisfaction among the trainees and several have since put the acquired knowledge and skills to use. A total of 28 stakeholders representing the following institutions or cooperatives attended:

Ostricamichin (cooperative)
Concheros de los Campos (cooperative)
Pescadores de la Reforma (cooperative)
Ostricola Faro de Papillon (cooperative)
Ostioneros del Mar de Villa Juarez (cooperative)
Cultivos de Playa Colorado (cooperative)
Ayuntamiento de Santiago Ixcuintla (government)
UAS Mazatlan and Culican campuses (university)
CIAD (government)

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