

Intro/history of Aquaculture

Aquaculture

The art and science of rearing aquatic organisms (**finfish**, shellfish, aquatic reptiles, amphibians, and plants) under controlled conditions.

History of Aquaculture

- First practiced by the Chinese 3,500 to 4,000 years ago
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- Oysters were farmed in Japan about 3,000 years ago and by the Romans nearly 2,000 years ago

Intro/history of Aquaculture

United States/North America

1850s - first attempt at artificial propagation (Dr. Theodatus Garlick)

- Brook trout
- Spring fed ponds (Cleveland, Ohio)

1864 –

1866 - First public hatchery was built in New York

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- Atlantic Salmon fry produced for enhancement efforts on the Merrimac River
- High profits -

Intro/history of Aquaculture

1870 - Formation of the “American Fish Cultural Society”

- Began to apply the scientific method to aquaculture production

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- 19th century –

Purpose of Aquaculture

Commercial (foodfish) production

- Followed AFS development and used techniques and methods established through government and academic research
- Foodfish production worldwide
 - 1.
 - 2.

Purpose of Aquaculture

Important culture species (3 phyla represented)

1. Mollusca
2. Arthropoda (crustaceans)
3. Chordata

Aquaculture

Mollusca

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- Scallops
- Abalone

Aquaculture

Important culture species

Arthropoda (crustaceans)

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- Lobster

Aquaculture

Important culture species

Chordata

- Channel catfish
- Atlantic salmon
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- Tilapia
- Carp