Aquaculture Department http://repository.seafdec.org.ph

01 SEAFDEC/AQD Publications

Brochures and flyers

2009

Backyard hatchery

Aquaculture Department, Southeast Asian Fisheries Development Center

http://hdl.handle.net/10862/631

Downloaded from http://repository.seafdec.org.ph, SEAFDEC/AQD's Institutional Repository

Economic indicators

	Marine Fish			Abalone
Investment cost, PhP			500,000	500,000
Projected sales per run of 21–45 days, PhP	milkfish seabass grouper pompano snapper rabbitfish	- - - -	100,000 100,000 150,000 100,000 150,000 60,000	64,000–80,000

Products

Products				
Fish larvae	Price, PhP			
Grouper				
0.5 inch	4.00 / pc			
1.0 inch	8.00 / pc			
Pompano				
1.0 inch	5.00 / inch			
Rabbitfish				
1.0 cm	0.50 / pc			
2.0 cm	1.00 / pc			
Seabass				
12–15 days (rotifer-fed)	0.10 / pc			
16–25 days (rotifer-fed)	0.20 / pc			
1.0 cm (<i>Artemia</i> -fed)	0.20 / pc			
1.0 inch	3.00 / pc			
Snapper				
0.5 inch	4.00 / pc			
1.0 inch	8.00 / pc			

Abalone juveniles	Price, PhP
1.1–1.5 cm	4.00 / pc
1.6–2.0 cm	5.00 / pc
2.1–2.5 cm	6.00 / pc
2.6–3.0 cm	7.00 / pc
3.1–3.5 cm	8.00 / pc



For more information, contact SEAFDEC/AQD:
Tel 63–33 511 9171, 511 9170
Fax 63–33 511 8709
Email aqdchief@seafdec.org.ph
www.seafdec.org.ph



Southeast Asian Fisheries Development Center AQUACULTURE DEPARTMENT

www.seafdec.org.ph

Backyard hatchery

Why hatchery?

The facility aims to demonstrate profitable operations of abalone and marine fish small-scale hatcheries requiring minimal investment while showcasing AQD technologies.

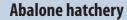
The area

- measures 896 m², situated beside AQD's FishWorld museum
- with gravel bedding and perimeter fence made of bamboo posts and hogwire
- each area (marine fish and abalone) has its own independent pre-filtered seawater supply system (with 2 HP centrifugal pumps and 1 HP roots blower for aeration)
- concrete drain pits and main canal for harvesting and drainage for each hatchery area
- backyard hatchery has common harvest and work areas, store room, equipment room, and roof structure





- for rearing milkfish and high value fishes such as grouper, seabass, snapper, rabbitfish and pompano
- 10-ton circular larval rearing tanks (LRT) (6 units)
- 10-ton circular natural food culture tanks (NFT) (10 units)
- 2-ton circular nursery tanks (NT) (12 units)
- LRT, NFT made of rubberized canvas with marine plywood support, NT made of concrete
- capable of producing 10,000–100,000 fry or fingerlings per run
- fish are available from the hatchery depending on the breeding season



- 34-ton reservoir (1 unit)
- 4.2-ton settlement tanks (16 units)
- 4.2-ton secondary nursery tanks (4 units)
- 2.1-ton diatom culture tanks (3 units)
- tanks made of canvas reinforced with bamboo frames for support
- reservoir made of marine plywood siding
- capable of producing 20,000–25,000 abalone juveniles (1.1–1.5 cm) per month



