

THE PRODUCTION AND TRADE OF TILAPIA IN THE PHILIPPINES

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INTRODUCTION

- The Philippines produced 316,536 mt of tilapia in 2013 with a value of USD669.8 million.
 - 3rd largest tilapia producer in Asia
 - 4th largest tilapia producer in the world



TILAPIA SPECIES CULTURED

- Nile Tilapia (*Oreochromis niloticus*)
 - most predominant species and second most important cultured fish in the country



- Other Tilapia Species
 - Mozambique tilapia (*O. mossambicus*)



- Red tilapia (hybrid)
- Black-chinned tilapia



- (*Sarotherodon melanotheron*)



TILAPIA PRODUCTION IN THE PHILIPPINES (2013)

Source	Production (mt)	%
Culture (95% from freshwater ponds and cages/pens)	269,058 	85 
Capture (38% of total fish caught from inland waters)	47,480 	15 



CULTURE PRODUCTION (mt)

SYSTEM	PRODUCTION (mt)	%
Freshwater Ponds	142,852	53
Freshwater Cages	88,537	33
Freshwater Pens	21,904	8
Brackish water Ponds	15,213	6
Others	411	0.1
TOTAL	269,056	



PRODUCTION FROM INLAND WATERS

- Inland Waters - lakes, reservoirs, rivers, swamps (496,063 ha)



- Production: 47,480 mt (2013)

CULTURE TECHNOLOGIES

- Breeding
 - improved Nile tilapia strains (Get-Excel, Fast, Chitralada)



- use of outdoor and indoor systems

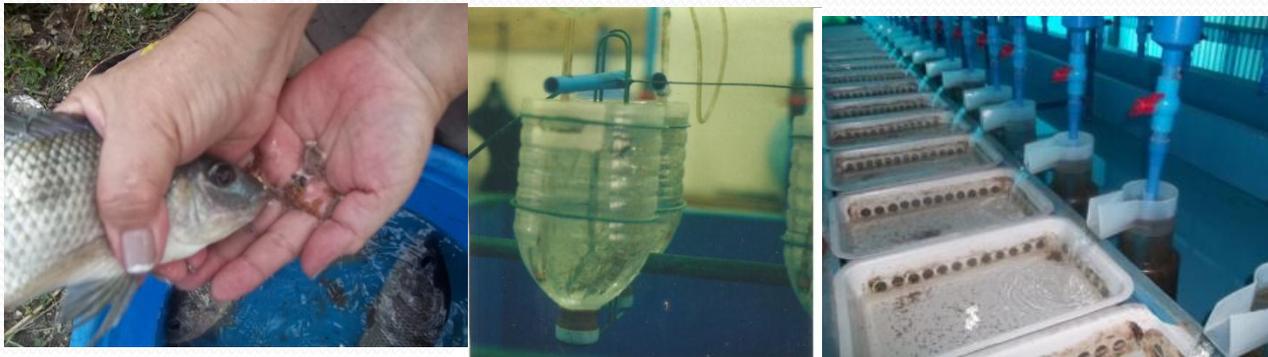


Nursery

- collection of day-old fry from hapas, ponds and tanks

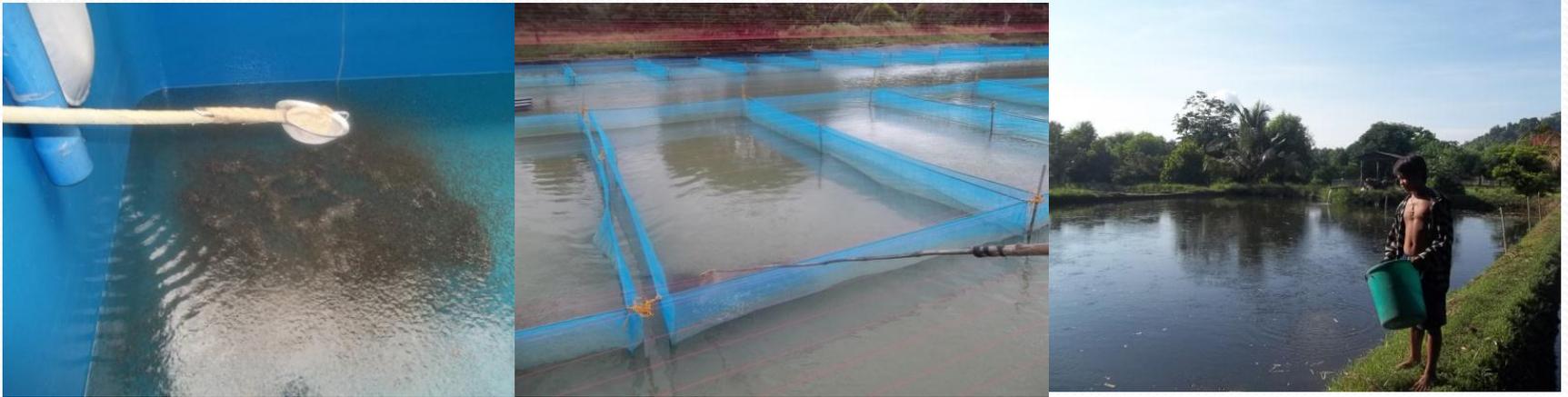


- manual removal of fertilized eggs and sac fry from mouth-brooding females for artificial incubation



Treatment of Fry for Hormonal Sex Reversal

- more than 2 billion fry produced annually and about 80% of fingerlings is sex-reversed



- Grow-out in Ponds (semi-intensive to intensive)



- Grow-out in Floating Cages (intensive)



OTHER DEVELOPMENTS

- Brackishwater culture in ponds and cages
 - Molibicus hybrid (*O. mossambicus* x *O. niloticus*)
- Aquasilviculture
 - growing of tilapia in fenced mangrove areas
- Organic Culture
 - use of organic feeds and non-chemical inputs



TRADING OF TILAPIA

- Fresh or Chilled Whole Fish- most common in wet and super markets



- Live Tilapia - an increasing trend



Processed Tilapia



FUTURE GROWTH

- **The People's Fish**
 - relatively stable and affordable prices for all
 - sustained availability of supply all-year round



Expansion areas

- lakes in Mindanao (second largest island)
- rice-fish culture (1.5 million irrigated rice fields)
- upland small impoundments and sky ponds



HAVE A TASTY TILAPIA !

