



KENYA MARINE AND FISHERIES RESEARCH INSTITUTE

FRESH WATER SYSTEMS

FACT SHEET

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Value Chain analysis of Omena fish in Lake Victoria and tilapia fish from Lakes Victoria and Naivasha

Omena and tilapia are the most common fish food species on Kenyan fish consumption tables



A picture with the fish traders after interview at Kisumu fresh fish market

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Background information

- ✓ *Omena* and tilapia are the most common fish food species on Kenyan fish consumption tables
- ✓ Dagaa (*omena*) possesses significant socio-economic and cultural values among riparian communities
- ✓ Tilapia is the most preferred fish food species in Kenya's domestic fish market and the most viable commercial species for fish aquaculture

Year	<i>Lates niloticus</i>	<i>R. argentea</i>	<i>Tilapiines</i>	Others	Total Catch	Value to fisherman (Ksh '000')
2012	52,472	52,948	6,081	7,491	118,992	11,775,377
2013	43,736	66,717	7,445	6,745	124,643	13,858,682
2014	42,618	72,421	5,193	8,476	128,708	14,601,790
2015	26,294	67,457	3,203	12,948	109,902	13,576,105
2016	-	-	-	-	93,666	11,814,258

Dagaa Fishery challenges

- 1 • Processing space
- 2 • Post Harvest Losses
- 3 • Different weights/measures
- 4 • Adoption of Technology

Tilapia Fishery Challenges



Results

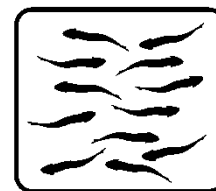
- ✓ **75%** of fishermen and **97%** of fish traders/processors experienced fish post-harvest losses,
- ✓ Loss amounts to a per capita gross post-harvest fish loss of **Ksh 1600** in high fishing season and **Ksh 490** in low season,
- ✓ Dagaa is more common (**73%**) in the dark phase than in the moon phase (**27%**).
- ✓ **48%** perceive that imported tilapia fish has led to reduction in domestic fish prices,
- ✓ At least **60%** have observed that imported tilapia have ensured steady product supply of fish in the market and ensured food security,
- ✓ **60%** believe that fish imports impose competition to domestic fish and fish products,
- ✓ About **44%** have raised health discontent over imported fish

Interventions/Recommendations



- 1. Development and adoption of socio-culturally acceptable drying technologies,**
- 2. Co-development of sanitary regulations on omena processing,**
- 3. Implementation of standard weights and measures on omena trade**

- 1. Support for nascent local aquaculture to meet growing tilapia demand,**



- 2. Validation tests on imported tilapia fish**

- 3. Tailor-made financial credit products to traders to enhance business growth**

