

254 Views | 12 CrossRef citations to date | 0 Altmetric

Original Articles

Productivity and Economics of Nile Tilapia *Oreochromis niloticus* Cage Culture in South-East Brazil

L. Conte, D.Y. Sonoda, R. Shirota & J.E.P. Cyrino

Pages 18-37 | Published online: 11 Oct 2008

Cite this article <https://doi.org/10.1080/10454430802022060>

Sample our Environment & Agriculture Journals

>> [Sign in here](#) to start your access to the latest two volumes for 14 days

- Full Article
- Figures & data
- References
- Citations
- Metrics

We Care About Your Privacy

We and our 878 partners store and access personal data, like browsing data or unique identifiers, on your device. Selecting I Accept enables tracking technologies to support the purposes shown under we and our partners process data to provide. Selecting Reject All or withdrawing your consent will disable them. If trackers are disabled, some content and ads you see may not be as relevant to you. You can resurface this menu to change your choices or withdraw consent at any time by clicking the Show Purposes link on the bottom of the webpage. Your choices will have effect within our Website. For more details, refer to our Privacy Policy. [Here](#)

We and our partners process data to provide:

Use precise geolocation data. Actively scan device

I Accept

Reject All

Show Purpose



ABSTRACT

Fish cage
intensive
aimed to
cages
differ
intake, s
pH, and
daily on
feeding
statistic
chosen t

ing
This study
ticus, in
for cages of
nance. Feed
d oxygen,
were fed
d 1700, and
e analyzed
unction was
king

densities reached 200 kg/m² and no differences were found (P > 0.05) regarding

accumulated biomass and individual average weight over time. The larger stocking density yielded larger accumulated biomass and had better feeding efficiency and no differences between individual average weights of fish at both densities were observed ($P > 0.05$). Profit-maximizing biomass at 500–600 fish/m³ was 145 kg/m³ and at 300–400 fish/m³ was 121 kg/m³. Cage farming of Nile tilapia at 500–600 fish/m³, individual average weight 283 g, presented many advantages: optimization of space and production time, better feed efficiency, higher fish production per unit volume of cages, and increased profitability.

KEYWORDS: [Oreochromis niloticus](#) [cage farming](#) [production functions](#) [biomass](#)

Related research

People also read

Recommended articles

Cited by
12



Information for

- Authors
- R&D professionals
- Editors
- Librarians
- Societies

Opportunities

- Reprints and e-prints
- Advertising solutions
- Accelerated publication
- Corporate access solutions

Open access

- Overview
- Open journals
- Open Select
- Dove Medical Press
- F1000Research

Help and information

- Help and contact
- Newsroom
- All journals
- Books

Keep up to date

Register to receive personalised research and resources by email

 Sign me up

- 
- 
- 
- 
- 

Copyright

Accessib

Registered
5 Howick Pl

or & Francis Group
orma business

