

Accepted Manuscript

The influence of flesh ingredients format and krill meal on growth and feeding behaviour of juvenile tropical spiny lobster *Panulirus ornatus*

Gioele Marchese, Quinn P. Fitzgibbon, Andrew J. Trotter, Chris G. Carter, Clive M. Jones, Gregory G. Smith



PII: S0044-8486(18)30998-0
DOI: doi:[10.1016/j.aquaculture.2018.09.019](https://doi.org/10.1016/j.aquaculture.2018.09.019)
Reference: AQUA 633543
To appear in: *aquaculture*
Received date: 14 May 2018
Revised date: 4 September 2018
Accepted date: 10 September 2018

Please cite this article as: Gioele Marchese, Quinn P. Fitzgibbon, Andrew J. Trotter, Chris G. Carter, Clive M. Jones, Gregory G. Smith , The influence of flesh ingredients format and krill meal on growth and feeding behaviour of juvenile tropical spiny lobster *Panulirus ornatus*. *Aqua* (2018), doi:[10.1016/j.aquaculture.2018.09.019](https://doi.org/10.1016/j.aquaculture.2018.09.019)

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

The influence of flesh ingredients format and krill meal on growth and feeding behaviour of juvenile tropical spiny lobster *Panulirus ornatus*

Gioele Marchese^a, Quinn P. Fitzgibbon^{a,*}, Andrew J. Trotter^a, Chris G. Carter^a, Clive M. Jones^b, Gregory G. Smith

^a Institute for Marine & Antarctic Studies (IMAS), University of Tasmania, Private Bag 49, Hobart, TAS 7001, Australia.

^b College of Marine and Environmental Science, James Cook University, PO Box 6811, Cairns, QLD 4870, Australia.

*Corresponding author:

Dr Quinn P. Fitzgibbon

Tel.: +61 3 6226 8242; fax +61 3 6227 8035

E-mail address: Quinn.Fitzgibbon@utas.edu.au

Abstract

One of the main challenges for spiny lobster aquaculture is the successful development of formulated feeds that are attractive, readily consumed by lobsters and promote optimal growth and survival. In a 54-day growth trial, we investigated the performance of four moist formulated feeds containing A) non-homogenised flesh ingredients; B) fish meal only; C) 10% krill meal; or D) homogenised flesh ingredients; and a reference diet of shucked blue mussel (*Mytilus galloprovincialis*) flesh, on growth, nutritional condition and feeding behaviour of juvenile tropical spiny lobster (*Panulirus ornatus*) reared either communally or individually. Growth and survival achieved by lobsters fed mussel were significantly higher than all other treatments. However,

Download English Version:

<https://daneshyari.com/en/article/10158012>

Download Persian Version:

<https://daneshyari.com/article/10158012>

[Daneshyari.com](https://daneshyari.com)