

Title	Describe and carry out zooplankton culture for use in the New Zealand aquaculture industry		
Level	3	Credits	10

Purpose	People credited with this unit standard are able to describe: zooplankton cultured for use in the New Zealand aquaculture industry; the life cycle, and environmental requirements and parameters of zooplankton cultured for use in the New Zealand aquaculture industry; the culturing and harvesting of zooplankton for use in the New Zealand aquaculture industry; and, carry out the culture and harvest of zooplankton for use in the New Zealand aquaculture industry.
----------------	--

Classification	Seafood > Aquaculture
-----------------------	-----------------------

Available grade	Achieved
------------------------	----------

Guidance Information

- Legislation relevant to this unit standard includes but is not limited to:
 - Animal Products Act 1999;
 - Health and Safety at Work Act 2015;
 - and any subsequent amendments.
- Definition
Company requirements refer to instructions to staff on policy and procedures that are communicated in an oral or written form. These requirements may include but are not limited to manufacturer's' instructions, company safety requirements, throughput, and industry codes of practice and standards. Company requirements must include legislative requirements.
- All evidence presented in this unit standard must be in accordance with company requirements.

Outcomes and performance criteria

Outcome 1

Describe zooplankton cultured for use in the New Zealand aquaculture industry.

Performance criteria

- Describe the use of cultured zooplankton.

1.2 Describe the types and supply of zooplankton.

Range types of zooplankton may include but are not limited to – rotifers, artemia, copepods, daphnia; evidence relating to two types is required.

1.3 Describe the properties of each type of zooplankton selected above to meet the requirements of the species to which they are fed.

Range size, digestibility, behaviour, nutritional value.

Outcome 2

Describe the life cycle, and environmental requirements and parameters of zooplankton cultured for use in the New Zealand aquaculture industry.

Range two types of zooplankton.

Performance criteria

2.1 Describe the life cycle of the cultured zooplankton.

2.2 Describe the environmental requirements and parameters for optimum growth of the zooplankton.

Range may include but is not limited to – light, pH, temperature, aeration, salinity, food.

Outcome 3

Describe the culturing and harvesting of zooplankton for use in the New Zealand aquaculture industry.

Range one type of zooplankton.

Performance criteria

3.1 Describe the culturing practices used to maintain the zooplankton culture.

Range culture growth, culture health.

3.2 Describe the equipment used for the culturing of zooplankton.

3.3 Describe the procedures for, and importance of, maintaining hygiene during the culture of zooplankton.

3.4 Describe the method used to enhance nutritional quality within the zooplankton to meet the requirements of the species to which they are fed.

3.5 Describe the method of concentrating and harvesting zooplankton.

Outcome 4

Carry out the culture and harvest of zooplankton for use in the New Zealand aquaculture industry.

Range one type of zooplankton.

Performance criteria

4.1 Prepare the food for the culture of zooplankton.

4.2 Culture and monitor the zooplankton.

Range includes but is not limited to – preparation of the culture vessel.

4.3 Harvest the zooplankton.

Planned review date	31 December 2028
----------------------------	------------------

Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	27 July 2005	31 December 2024
Review	2	12 December 2008	31 December 2024
Review	3	28 October 2021	N/A
Rollover	4	29 February 2024	N/A

Consent and Moderation Requirements (CMR) reference	0123
--	------

This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

Comments on this unit standard

Please contact the Muka Tangata - People, Food and Fibre Workforce Development Council qualifications@mukatangata.nz if you wish to suggest changes to the content of this unit standard.