

Title	Describe the feeding of farmed fin fish		
Level	3	Credits	10

Purpose	People credited with this unit standard are able to describe: feeding practices and behaviour of farmed fin fish; the factors affecting feeding and the impacts of poor feeding practices on farmed fin fish; and feed types used for farming fin fish and factors that influence food costs.
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Classification	Seafood > Aquaculture
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Available grade	Achieved
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Guidance Information

- 1 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 – manufacturers' instructions, company safety requirements, throughput, and industry codes of practice and standards. Company requirements must include legislative requirements.
- 2 All evidence presented in this unit standard must be in accordance with company requirements.

Outcomes and performance criteria

Outcome 1

Describe feeding practices and behaviour of farmed fin fish.

Performance criteria

- 1.1 Describe satiation feeding and non-satiation feeding of farmed fin fish.
- 1.2 Describe the feeding practices of farmed fin fish.
- 1.3 Describe the feeding behaviour of a population of farmed fin fish throughout a meal in relation to the rearing environment.

Range fish's reaction to food.

Outcome 2

Describe the factors affecting feeding and the impacts of poor feeding practices on farmed fin fish.

Performance criteria

2.1 Describe terminology used for feeding farmed fin fish.

Range includes but is not limited to – food conversion ratio; terminology may include but is not limited to – biomass, inventory, stocking density, food delivery rate, food consumption rate, ration; evidence of five is required.

2.2 Describe the effects of environmental factors, fish health and/or farm activities on farmed fin fish feeding.

Range may include but is not limited to – weather, predators, season factors, water quality, disease, stress; evidence of four factors associated with the environment, fish health and/or farm activities is required.

2.3 Describe the significance of the feed particle size used for a population of farmed fin fish.

2.4 Describe the effects of under-feeding and over-feeding a population of farmed fin fish.

2.5 Describe the impact of the feeding rate on a population of farmed fin fish.

Outcome 3

Describe feed types used for farming fin fish and factors that influence food costs.

Performance criteria

3.1 Describe the development of the types of food used in the farmed fin fish industry and the reasons for change.

Range includes but is not limited to – trash fish, moist food, pressed pellets, extruded pellets.

3.2 Describe the main components of pellet food and their purpose.

Range oil/fat, protein, starch, vitamins/minerals, pigment.

3.3 Describe a source for each component of pellet food.

Range fish oil, fishmeal, pigment, other oils and proteins.

3.4 Describe the factors that influence the cost of food.

Range may include but is not limited to – availability of industrial fisheries, demand by other industries, exchange rate, quality of raw materials, transport; evidence of four factors is required.

Planned review date	31 December 2028
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	23 October 2001	31 December 2024
Review	2	25 February 2003	31 December 2024
Review	3	23 August 2005	31 December 2024
Review	4	18 September 2009	31 December 2024
Review	5	28 October 2021	N/A
Rollover	6	29 February 2024	N/A

Consent and Moderation Requirements (CMR) reference	0123
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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.