

Explain health issues and factors impacting on product quality for aquaculture species

Level 4

Credits 10

Purpose People credited with this unit standard are able to explain health issues for the selected aquatic species in the New Zealand aquaculture industry, and factors prior to harvest that impact on the final product quality of the selected aquatic species in the New Zealand aquaculture industry.

Subfield Seafood

Domain Aquaculture

Status Registered

Status date 12 December 2008

Date version published 12 December 2008

Planned review date 31 December 2013

Entry information Open.

Accreditation Evaluation of documentation and visit by NZQA and industry.

Standard setting body (SSB) Primary Industry Training Organisation

Accreditation and Moderation Action Plan (AMAP) reference 0123

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

Special notes

- 1 Definitions
Legislative requirements may include but are not limited to – Resource Management Act 1991; Health Act 1956; Animal Products Act 1999, and their subsequent amendments.
Company requirements refer to instructions to staff on policy and procedures that are communicated in written or verbal form. These requirements may include but are not limited to – manufacturers' procedures, company safety procedures, codes of practice and standards, and legislative requirements.
- 2 For the purpose of this unit standard one New Zealand aquaculture species must be selected. The same species must be described for each element.

Elements and performance criteria

Element 1

Explain health issues for the selected species in the New Zealand aquaculture industry.

Performance criteria

- 1.1 The explanation includes the potential health issues and their impact, associated with the selected species.
- Range may include but is not limited to – diseases, parasites, fouling organisms, gross symptoms, diagnostic methods, transmission; evidence is required for at least two.
- 1.2 The explanation includes a description of the way in which environmental factors may adversely impact on the health of the selected species.
- Range may include but is not limited to – pH, temperature, salinity, turbidity, Biological Oxygen Demand, Dissolved Oxygen, light, weather, depth, fouling organisms, harmful algal blooms; evidence is required for four factors.
- 1.3 The explanation includes the prevention and control measures available to manage the health issues and effects of the environmental factors.
- 1.4 The explanation includes the documentation and reporting requirements in accordance with company and legislative requirements.

Element 2

Explain factors prior to harvest that impact on the final product quality of the selected species in the New Zealand aquaculture industry.

Performance criteria

- 2.1 The explanation includes the impact of biological factors on the final product quality of the selected aquatic species.
- Range may include but is not limited to – diseases, parasites; evidence is required for two.
- 2.2 The explanation includes the impact of environmental factors on the final product quality of the selected aquatic species.
- Range may include but is not limited to – pH, temperature, salinity, turbidity, phytoplankton, Biological Oxygen Demand, Dissolved Oxygen, light, weather, depth, fouling organisms, harmful algal blooms; evidence is required for four.

- 2.3 The explanation includes the prevention and control measures available to manage the impact of the biological and environmental factors.
- 2.4 The explanation includes the documentation and reporting requirements in accordance with company and legislative requirements.

Please note

Providers must be accredited by NZQA, or an inter-institutional body with delegated authority for quality assurance, before they can report credits from assessment against unit standards or deliver courses of study leading to that assessment.

Industry Training Organisations must be accredited by NZQA before they can register credits from assessment against unit standards.

Accredited providers and Industry Training Organisations assessing against unit standards must engage with the moderation system that applies to those standards.

Accreditation requirements and an outline of the moderation system that applies to this standard are outlined in the Accreditation and Moderation Action Plan (AMAP). The AMAP also includes useful information about special requirements for organisations wishing to develop education and training programmes, such as minimum qualifications for tutors and assessors, and special resource requirements.

Comments on this unit standard

Please contact the Primary Industry Training Organisation standards@primaryito.ac.nz if you wish to suggest changes to the content of this unit standard.