

Carry out selective breeding for family creation for fin fish on an aquaculture facility

Level 4

Credits 8

Purpose People credited with this unit standard are able to: demonstrate knowledge of selective breeding; and carry out selective breeding for family creation, of fin fish on an aquaculture facility.

Subfield Seafood

Domain Aquaculture

Status Registered

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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

Definitions

Company requirements refer to instructions to staff on policy and procedures that are communicated in an oral or written form. These requirements must include legislative requirements and company safety procedures, and may include but are not limited to – industry codes of practice and standards.

Family creation refers to the production of future breeding stock with selected traits and characteristics.

Elements and performance criteria

Element 1

Demonstrate knowledge of selective breeding of fin fish on an aquaculture facility.

Performance criteria

- 1.1 Stock history is explained in terms of targets and stock performance of the company.
- 1.2 Stock data is gathered and analysed in terms of the selective breeding objectives of the company.
- 1.3 Differences in family stock and production stock are explained.

Range may include but is not limited to – growth, maturation, inbreeding, quality traits.
- 1.4 The differences in family stock are explained in terms of the impact on creating families for fin fish, and desirable traits outlined in the selective breeding objectives.
- 1.5 The process of selective breeding is explained in accordance with company requirements.

Element 2

Carry out selective breeding for family creation of fin fish on an aquaculture facility.

Performance criteria

- 2.1 Stock for family creation is identified and selected in accordance with company requirements.
- 2.2 Equipment and resources are prepared in accordance with company requirements.
- 2.3 Stock is selectively bred in accordance with company requirements.
- 2.4 Documentation is completed in accordance with company 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 at standards@primaryito.ac.nz if you wish to suggest changes to the content of this unit standard.