

## Explain and carry out farm trials for single-seed Pacific oyster culture

**Level** 4

**Credits** 10

**Purpose** This unit standard is for people involved in farming single-seed Pacific oysters and who have responsibility for quality and quantity of output.

People credited with this unit standard are able to: explain the reasons for, and implications associated with, conducting farm trials for the culture of single-seed Pacific oysters; explain the principles of conducting farm trials in terms of single-seed Pacific oyster culture; explain the planning required to set up a farm trial for the culture of single-seed Pacific oysters; and set up and carry out a farm trial for the culture of single-seed Pacific oysters.

**Subfield** Seafood

**Domain** Aquaculture

**Status** Registered

**Status date** 21 May 2008

**Date version published** 21 May 2008

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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>.

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### 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 legislation and safety requirements and may include but are not limited to – manufacturers' instructions, industry codes of practice and standards.

*Farm trials* are carried out for the purposes of identifying optimum conditions for single-seed Pacific oyster culture. A farm trial consists of testing one parameter, however the same parameter will be tested many times to ensure consistency.  
*Monitoring* includes the collection of data.

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## **Elements and performance criteria**

### **Element 1**

Explain the reasons for, and implications associated with, conducting farm trials for the culture of single-seed Pacific oysters.

#### **Performance criteria**

- 1.1 The explanation includes the reasons for conducting farm trials for the culture of single seed oysters.
- 1.2 The explanation includes the implications of poorly conducted farm trials.

### **Element 2**

Explain the principles of conducting farm trials for the culture of single-seed Pacific oysters.

#### **Performance criteria**

- 2.1 The explanation includes the importance of defining the parameters being addressed by a farm trial for the culture of single-seed Pacific oysters.
- 2.2 The explanation includes the importance of providing consistent conditions during a farm trial for the culture of single-seed Pacific oysters.
- 2.3 The explanation includes the importance of replication of the trial prior to moving to large scale farm operations for the culture of single-seed Pacific oysters.
- 2.4 The explanation includes the key principles of monitoring, recording and data interpretation during a farm trial for the culture of single-seed Pacific oysters.

### **Element 3**

Explain the planning required to set up a farm trial for the culture of single-seed Pacific oysters.

#### **Performance criteria**

- 3.1 The explanation includes the planning required to set up a farm trial for the culture of single-seed Pacific oysters.

## Element 4

Set up and carry out a farm trial for the culture of single-seed Pacific oysters.

### Performance criteria

- 4.1 The parameter being trialled is defined.
- 4.2 The farm trial is set up to address the identified parameter in accordance with company requirements.
- 4.3 The farm trial is carried out in accordance with company requirements.  
Range monitoring, recording.
- 4.4 Conclusions are drawn from data gathered, and relevant recommendations are made.

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### Please note

Providers must be accredited by the Qualifications Authority, 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 the Qualifications Authority 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.

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**Comments on this unit standard**

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