

Outline how New Zealand Greenshell mussel (kutai, kuku) spat are obtained and used

Level 2

Credits 5

Purpose People credited with this unit standard are able to: describe Greenshell™ mussel spat catching in New Zealand; describe the methods used in catching and retaining Greenshell™ mussel spat; describe the monitoring programmes for Greenshell™ mussel spat settlement; and describe the seeding rates of Greenshell™ mussel spat.

Subfield Seafood

Domain Aquaculture

Status Registered

Status date 20 March 2009

Date version published 20 March 2009

Planned review date 31 December 2014

Entry information Open.

Accreditation Evaluation of documentation 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

In the title of this unit standard 'New Zealand Greenshell™ mussel' refers to Greenshell™ mussels;

spat monitoring programmes include but are not limited to programmes run in Marlborough, Golden Bay and Coromandel, New Zealand.

Elements and performance criteria

Element 1

Describe Greenshell™ mussel spat catching in New Zealand.

Performance criteria

1.1 The description outlines the sequence of events leading to a landing of Kaitaia spat and the distribution to industry.

Range origin, location, weather patterns leading to stranding, transportation to clients.

1.2 The description outlines the sequence of events leading to local spat catching.

Range origin, location, weather patterns, time of arrival; areas may include but are not limited to – Golden Bay, Marlborough, Coromandel; evidence is required for two areas.

Element 2

Describe the methods used in catching and retaining Greenshell™ mussel spat.

Performance criteria

2.1 The description outlines the method in terms of long-line layouts.

2.2 The description outlines the timing, techniques and types of medium currently being used.

Range timing includes – over-settlement, maximising catch; medium may include but is not limited to – frames, negative buoyancy rope, single ropes, mesh; evidence is required for four types of medium.

2.3 The description outlines the methods used to minimise stress and mortality during the handling and transfer of spat to farms or nursery sites.

Range includes but is not limited to – protection from the environment, temperature control, damage control, minimising time out of water.

Element 3

Describe the monitoring programmes for Greenshell™ mussel spat settlement.

Performance criteria

3.1 The description outlines the benefits of monitoring Greenshell™ mussel spat settlement.

- 3.2 The description outlines the basic weekly programme for monitoring Greenshell™ mussel spat settlement.
- 3.3 The description outlines the interpretation of the results of the basic weekly programme for monitoring Greenshell™ mussel spat settlement.

Element 4

Describe the seeding rates of Greenshell™ mussel spat.

Performance criteria

- 4.1 The description outlines the seeding rates of Greenshell™ mussel spat from Kaitaia, based on spat count.
- 4.2 The description outlines the seeding rates of Greenshell™ mussel spat for intermediate seed, based on nursery site location.

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@primaryto.ac.nz if you wish to suggest changes to the content of this unit standard.