

Title	Describe 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; the methods used in catching and retaining Greenshell™ mussel spat; the monitoring programmes for Greenshell™ mussel spat settlement; and the seeding rates of Greenshell™ mussel spat.
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Classification	Seafood > Aquaculture
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Available grade	Achieved
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Guidance Information

- 1 Legislation relevant to this unit standard includes but is not limited to:
 - Animal Products Act 1999;
 - Health and Safety at Work Act 2015; and any subsequent amendments.
- 2 Definitions

Greenshell™ mussel refers to the New Zealand Greenshell™ mussels;

(Spat) monitoring programmes refer to Review of Sustainability Measures for 2018 – Green lipped mussel, available at <https://www.mpi.govt.nz/>.

Long-line layouts refers to spat collected on long-lines as they drift in the tide.

Outcomes and performance criteria

Outcome 1

Describe Greenshell™ mussel spat catching in New Zealand.

Performance criteria

- 1.1 Describe events leading to a landing of (Te Oneroa-a-Tōhē) Ninety Mile Beach spat in terms of the sequence and the distribution to industry.

Range	may include but is not limited to – origin, location, weather patterns leading to stranding, transportation to clients.
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- 1.2 Describe local spat catching in terms of the sequence of events leading to the spat catch.

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

Outcome 2

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

Performance criteria

- 2.1 Describe the methods in terms of long-line layouts.

- 2.2 Describe the timing and techniques in terms of types of methods currently being used.

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

- 2.3 Describe handling and transfer of spat to farms or nursery sites in terms of methods used to minimise stress and mortality.

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

Outcome 3

Describe the monitoring programmes for Greenshell™ mussel spat settlement.

Performance criteria

- 3.1 Describe monitoring Greenshell™ mussel spat settlement in terms of the benefits.

- 3.2 Describe monitoring Greenshell™ mussel spat settlement, in terms of the basic weekly programme.

- 3.3 Describe monitoring Greenshell™ mussel spat settlement, in terms of the interpretation of the results of the basic weekly programme.

Outcome 4

Describe the seeding rates of Greenshell™ mussel spat.

Performance criteria

- 4.1 Describe the seeding rates of Greenshell™ mussel spat from (Te Oneroa-a-Tōhē) Ninety Mile Beach, in terms of spat count.
- 4.2 Describe the seeding rates of Greenshell™ mussel spat for intermediate seed, in terms of nursery site location.

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	21 April 1999	31 December 2024
Review	2	25 February 2003	31 December 2024
Review	3	20 March 2009	31 December 2024
Review	4	28 October 2021	N/A
Rollover	5	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.