

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.