

Title	Describe and carry out the seeding process on a mussel (kutai, kuku) farm		
Level	3	Credits	10

Purpose	People credited with this unit standard are able to: describe the seeding process; set up and maintain the seeder; monitor and maintain the flow of the seeding operation; and operate the knuckle-boom crane on a mussel vessel during the seeding process, for a mussel farm.
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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 Definition

Company requirements refer to instructions to staff on policy and procedures that are communicated in verbal or written form. These requirements may include but are not limited to – manufacturers' instructions, company safety requirements, throughput, and industry codes of practice and standards. Company requirements must include legislative requirements.
- 3 All evidence presented in this unit standard must be in accordance with company requirements.

Outcomes and performance criteria

Outcome 1

Describe the seeding process for a mussel farm.

Performance criteria

- 1.1 Describe the stages of the seeding process.

Range may include nursery or initial, intermediate and final seeding.
- 1.2 Describe the importance of ensuring spat or seed is declumped.

- 1.3 Describe the process of picking up the line.
- 1.4 Describe the settings of the seeder in terms of how they affect density and stocking tension.

Outcome 2

Set up and maintain the seeder on a mussel farm.

Performance criteria

- 2.1 Join ropes.
- Range types of rope may include but are not limited to – standard rope, culture rope, spat catching rope, lashings.
- 2.2 Replace stocking tubes during the seeding operation.
- 2.3 Carry out minor repairs and adjustments.

Outcome 3

Monitor and maintain the flow of the seeding operation on a mussel farm.

Performance criteria

- 3.1 Monitor and maintain even spat/seed density in accordance with the skipper's specifications.
- 3.2 Monitor and maintain the stocking tension in accordance with the skipper's specifications.
- 3.3 Monitor and maintain consistent dropper depth and distance apart in accordance with the skipper's specifications.

Outcome 4

Operate the knuckle-boom crane on a mussel vessel during the seeding process.

Performance criteria

- 4.1 Confirm the knuckle-boom crane is in safe working order before and during operation.
- 4.2 Use the knuckle-boom crane in a way that ensures that the stability and safety of the vessel is maintained.
- 4.3 Carry out any minor repairs or maintenance.

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
Revision	3	27 October 2006	31 December 2024
Review	4	20 March 2009	31 December 2024
Review	5	28 October 2021	N/A
Rollover	6	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.