

Title	Explain techniques used for farming single-seed Pacific oysters to maximise quality on farm grow-outs		
Level	4	Credits	10

Purpose	<p>This unit standard is for people involved in farming single-seed Pacific oysters and who have responsibility for quality and quantity of output.</p> <p>People credited with this unit standard are able to explain: the importance of stocking density and carrying capacity for optimising single-seed Pacific oyster growth and quality, and the effect of over and under stocking on crop turn over; the importance of water flow for optimising single-seed Pacific oyster growth and quality; factors that affect water flow through farm grow-out systems and the required container orientation to optimise growth and quality of single-seed Pacific oysters; and the management and husbandry practices used to optimise growth and quality of single-seed Pacific oysters on a farm grow-out.</p>
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Classification	Seafood > Aquaculture
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Available grade	Achieved
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Guidance Information

None.

Outcomes and performance criteria

Outcome 1

Explain the importance of stocking density and carrying capacity for optimising single-seed Pacific oyster growth and quality, and the effect of over and under stocking on crop turn over.

Performance criteria

- 1.1 The explanation includes the importance of stocking density and carrying capacity in the farm grow-out system to achieve optimum growth and quality of single-seed Pacific oysters.
- 1.2 The explanation includes the effects of over and under stocking on single-seed Pacific oyster crop turn over on farm grow outs.

Outcome 2

Explain the importance of water flow for optimising single-seed Pacific oyster growth and quality.

Performance criteria

- 2.1 The explanation includes the importance of water flow through the farm grow-out system to achieve optimum growth and quality of single-seed Pacific oysters.

Outcome 3

Explain factors that affect water flow through farm grow-out systems and the required container orientation to optimise growth and quality of single-seed Pacific oysters.

Performance criteria

- 3.1 The explanation includes factors that affect water flow through farm grow-out systems and the required container orientation to optimise the growth and quality of single-seed Pacific oysters.

Range evidence of six factors is required.

Outcome 4

Explain the management and husbandry practices used to optimise growth and quality of single-seed Pacific oysters on a farm grow-out.

Performance criteria

- 4.1 The explanation includes the management practices required to optimise the performance of single-seed Pacific oysters on the farm grow-out.

- 4.2 The explanation includes the husbandry practices used to optimise the performance of single-seed Pacific oysters on a farm grow-out.

Range may include but is not limited to – handling, stocking density, placement of containers, mesh size, height control, rumbling, out of water time;
evidence of four husbandry practices is required.

Planned review date	31 December 2026
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	21 May 2008	31 December 2023
Review	2	28 October 2021	31 December 2023
Reinstatement	3	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 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.