

Title	Prepare a nucleus beehive suitable for producing mated queen bees, and introduce and monitor the queen cell until mated		
Level	4	Credits	5

Purpose	<p>This unit standard is intended for people working in a queen bee rearing context.</p> <p>People who are credited with this unit standard are able to: select and prepare equipment and beehives to make up a nucleus beehive; prepare for, and make up a nucleus beehive, introduce a queen cell and monitor until mated.</p>
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Classification	Agriculture > Apiculture
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Available grade	Achieved
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Guidance Information

- 1 Legislation and standards relevant to this unit standard includes but is not limited to:
 - Agricultural Compounds and Veterinary Medicines Act 1997;
 - Animal Products Act 1999;
 - Biosecurity Act 1993;
 - Biosecurity (National American Foulbrood Pest Management Strategy) Order 1998;
 - Food Act 2014;
 - Food Standards Code and Food Standard: Tutin in Honey 2016;
 - Health and Safety at Work Act 2015;
 - and any subsequent amendments.
- 2 Definition

Workplace procedures refer to the policies and procedures on safety and operation set down by the employer or organisation.
- 3 References

Frost, Elizabeth, *Queen Bee Breeding: Ag Guide – A Practical Handbook* (NSW Agriculture, 2016).

Goodwin, Mark, *Elimination of American Foulbrood Disease Without The Use of Drugs: A Practical Manual for Beekeepers* (Otaki, New Zealand: National Beekeepers Association of New Zealand Inc., revised edition 2018) (also referred to as *The Beekeeper's Manual*).

Goodwin, Mark and Taylor, Michelle, *Control of Varroa—A Guide for New Zealand Beekeepers* (Wellington, New Zealand: New Zealand Ministry of Agriculture and Forestry, revised edition 2007).

Woodward, David R. *Queen bee: biology, rearing and breeding* (Balclutha, New Zealand: Telford Rural Polytechnic, 2007).

All references are available from Apiculture NZ, PO Box 25207, Wellington 6146, New Zealand email info@apinz.org.nz ph + 64 4 471 6254.

- 4 For the purposes of assessment:
- evidence for the practical components of this unit standard must be supplied from the workplace;
 - evidence must be presented in accordance with workplace procedures.

Outcomes and performance criteria

Outcome 1

Select and prepare equipment and beehives to make up a nucleus beehive.

Performance criteria

- 1.1 Select and prepare nucleus beehive, frames, and feeders.
- Range nucleus beehive box, empty replacement frames, frame feeder, entrance reducer.
- 1.2 Select and prepare suitably populated beehives from which to make up nucleus beehives.

Outcome 2

Prepare for, and make up a nucleus beehive, introduce a queen cell, and monitor until mated.

Performance criteria

- 2.1 Carry out a disease check on the beehive and respond as required.
- 2.2 Locate the queen, and isolate and select suitable frames for the nucleus beehive.
- Range capped brood frames, frames of honey and pollen.
- 2.3 Transfer frames of capped brood, honey, pollen and bees into an empty nucleus box with a feeder.
- 2.4 Replace frames removed in original beehive with foundation frames as per workplace procedures.
- 2.5 Relocate nucleus beehive to prevent drift and feed.
- 2.6 Introduce queen cell and monitor beehive until queen is mated.
- 2.7 Maintain records.

Planned review date	31 December 2025
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	24 January 2019	31 December 2022
Review	2	24 September 2020	N/A

Consent and Moderation Requirements (CMR) reference	0052
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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 Primary Industry Training Organisation standards@primaryito.ac.nz if you wish to suggest changes to the content of this unit standard.