

Title	Prepare for and graft queen bees and distribute for domestic supply		
Level	4	Credits	8

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: prepare equipment and establish cell builder beehives to accept grafted larvae; graft larvae; and remove queen bee cells and mated caged queen bees and distribute for domestic supply.</p>
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Classification	Agriculture > Apiculture
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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:
 - 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 Reference

Frost, Elizabeth, *Queen Bee Breeding: Ag Guide – A Practical Handbook* (NSW Agriculture, 2016), available from Apiculture NZ, PO Box 25207, Wellington 6146, New Zealand or 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

Prepare equipment and establish cell builder beehives to accept grafted larvae.

Performance criteria

- 1.1 Prepare suitable equipment for establishing cell builder beehives.

- 1.2 Select suitable cell builder beehives for accepting grafted larvae.
- Range population of bees, honey and pollen stores, number of brood frames, larvae health, disease status.
- 1.3 Manipulate cell builder beehive to receive grafted larvae.
- 1.4 Introduce cell bars with queen cell cups.

Outcome 2

Graft larvae.

Performance criteria

- 2.1 Prepare equipment for grafting larvae.
- 2.2 Graft larvae into queen cell cups using frame selected from breeder beehive with suitable size larvae.
- 2.3 Introduce cell bar with grafted larvae into cell builder hive and feed beehive as required.
- 2.4 Assess the success rate of the grafting exercise, and monitor feed as required.
- 2.5 Carry out post grafting manipulations to the cell builder hive.

Outcome 3

Remove queen bee cells and mated caged queen bees and distribute for domestic supply.

Performance criteria

- 3.1 Remove queen bee cells from cell builder beehives and place in incubator.
- 3.2 Introduce queen bee cells into queenless beehives or nucleus beehives.
- 3.3 Prepare queen bee cages for the introduction of mated queens.
- 3.4 Introduce mated queen bee and attendant worker bees into queen cage at the optimum time.
- 3.5 Maintain queen bee records of all operations.
- 3.6 Package and distribute queen bees for domestic supply.

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

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.