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|--------------|---|----------------|----------|
| <b>Title</b> | <b>Prepare a seasonal queen bee rearing management plan</b> |                |          |
| <b>Level</b> | <b>4</b>  | <b>Credits</b> | <b>5</b> |

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| <b>Purpose</b> | <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 a seasonal queen bee rearing management plan.</p> |
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| <b>Classification</b> | Agriculture > Apiculture |
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| <b>Available grade</b> | 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).

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

- 4 The plan must cover a season of queen rearing, reflect the requirements of the season and environmental impacts, and must be within budget. The budget is set by the organisation.

The seasonal queen rearing management plan must include:

- site management;
- nutritional needs of the beehive and supplementary feeding;
- monitoring and control of bee pests and diseases;
- grafting venue, conditions, and technique;
- establishment and manipulations of cell builder hives;
- establishment of breeder queen hives.

- 5 For the purposes of assessment:

- evidence must be supplied from the workplace;
- evidence must be presented in accordance with workplace procedures.

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## Outcomes and performance criteria

### Outcome 1

Prepare a seasonal queen bee rearing management plan.

### Performance criteria

- 1.1 Describe the differences in requirements for preparation of nucleus colonies (nucs) for mated queens and for production of queen cells only.
- 1.2 Develop objectives for queen bee rearing management.
- 1.3 Plan the timing and timeframes for completion of activities to meet objectives, client needs, and size of operation.
- Range quality, quantity, cost.
- 1.4 Plan for the procurement of resources required to undertake queen bee rearing operations.
- Range beehives, materials, consumables, equipment.
- 1.5 Schedule regulatory compliance, and disease and risk management strategies.

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| <b>Planned review date</b> | 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](mailto:standards@primaryito.ac.nz) if you wish to suggest changes to the content of this unit standard.