

<b>Title</b>	<b>Implement and monitor a seasonal beehive management plan</b>		
<b>Level</b>	<b>4</b>	<b>Credits</b>	<b>10</b>

<b>Purpose</b>	People credited with this unit standard are able to: implement key beehive management operations; and monitor beehives in accordance with the seasonal hive management plan.
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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 Plan) Order 1998;
  - Food Act 2014;
  - Food Standards Code and Food Standard: Tutin in Honey 2014;
  - Health and Safety at Work Act 2015;
  - Ministry of Primary Industries Manuka Honey Testing Procedures <https://www.mpi.govt.nz/growing-and-harvesting/honey-and-bees/manuka-honey/>; and any subsequent amendments.
- 2 The seasonal beehive management plan provided should be consistent with other hive management plans and with legislative and compliance requirements.
- 3 For information on Manuka honey, refer to <https://www.mpi.govt.nz/dmsdocument/17374-manuka-honey-science-definition-infographic>.
- 4 Definition  
*Workplace procedures* refer to the policies and procedures set down by the employer or organisation, workplace safety, and seasonal beehive management.
- 5 Workplace procedures must be consistent with the following references – 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 2006) (also referred to as The Beekeeper's Manual); and 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 <http://apinz.org.nz/contact/> or email [info@apinz.org.nz](mailto:info@apinz.org.nz) ph + 64 4 471 6254.

- 6 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

Implement key beehive management operations.

#### Performance criteria

- 1.1 Assess food stores against spring requirements and determine the needs of beehives.
- 1.2 Check beehives for disease, locate the queen bee and isolate with queen excluder.
- 1.3 Assess beehives to determine likelihood of swarming and suitability to divide hives to produce a nucleus hive or top hive.
- 1.4 Implement procedures to control swarming.
- 1.5 Manipulate weak and strong beehives.
- Range must include – unite, re-queen, introduce and feed new queen bees, produce top beehives and nucleus hives.
- 1.6 Manipulate honey supers at stages of the honey flow to maximise honey production.
- 1.7 Shift beehives to maximise honey production.

### Outcome 2

Monitor beehives in accordance with the seasonal hive management plan.

#### Performance criteria

- 2.1 Assess status of beehives.
- Range disease status, food requirements, performance of the queen, beehive equipment, suitability for honey harvesting, and status of hives when wintering down.
- 2.2 Examine the performance of the queen and carry out any required re-queening operations.

- 2.3 Assess the honey stores in terms of harvesting suitability, and harvest honey.
- 2.4 Assess the status of beehives in terms of wintering down, and winter down hives.
- 2.5 Check and report on beehive equipment, and repair and replace equipment as required.
- 2.6 Report on performance.

<b>Replacement information</b>	This unit standard replaced unit standard 20249.
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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	14 December 2017	31 December 2022
Review	2	24 September 2020	N/A

<b>Consent and Moderation Requirements (CMR) reference</b>	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](mailto:standards@primaryito.ac.nz) if you wish to suggest changes to the content of this unit standard.