

Title	Implement and monitor a bee disease management plan, and recommend changes		
Level	4	Credits	10

Purpose	People credited with this unit standard are able to: implement and monitor a bee disease management plan; and recommend changes.
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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 Plan) 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 set by the employer or organisation on bee disease management.
- 3 The management plan provided must be consistent with other hive management plans and be consistent with legislative and compliance requirements.
- 4 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 2018) (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 ph + 64 4 471 6254.

- 5 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 a bee disease management plan.

Performance criteria

- 1.1 Implement appropriate varroa sampling and treatments.
- 1.2 Implement American foulbrood (AFB) sampling and inspections.
- 1.3 Implement disease management procedures other than varroa and AFB to improve beehive health.

Outcome 2

Monitor a bee disease management plan and recommend changes.

Performance criteria

- 2.1 Record day-to-day disease management for one season.
- 2.2 Recommend changes to a disease management plan using records, seasonal outcomes, and industry references.

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	14 December 2017	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.