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| Title | Carry out an apiary pest and disease management plan over an apiculture season | | |
| Level | 3 | Credits | 15 |

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| Purpose | People credited with this unit standard are able to: carry out disease inspection tasks on beehives and record inspection details; carry out and record pest and disease control measures; and record and review activities of the pest and disease management plan over an apiculture season. |
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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 Definitions

American foulbrood (AFB) is a bacterial disease of honey bees.

Workplace procedures refer to the policies and procedures set by the employer or organisation on workplace safety, and apiary pest and disease management.

- 3 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](mailto: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

Carry out disease inspection tasks on beehives and record inspection details.

Performance criteria

1.1 Carry out disease inspection and prevention tasks.

Range must include – AFB.

1.2 Carry out sampling on hives.

1.3 Record results.

Outcome 2

Carry out and record pest and disease control measures.

Performance criteria

2.1 Apply pest and disease control measures.

2.2 Treat hives for varroa mite.

2.3 Apply bee welfare practices.

Range must include – maintaining and sterilising bee equipment.

2.4 Record control measures in an apiary diary.

Outcome 3

Record and review activities of the pest and disease management plan over an apiculture season.

Performance criteria

3.1 Record activities of the pest and disease management plan over the apiculture season.

3.2 Review activities of the pest and disease management plan developed at the start of the season, compare with end of season results, and update the plan as required.

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| 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 |

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| 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.