

Title	Describe swarming and methods for swarm control, control a swarm, and unite and divide beehives		
Level	3	Credits	3

Purpose	People credited with this unit standard are able to: describe swarming, the methods for swarm control and control a swarm; and unite and divide beehives.
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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 workplace safety, swarm control and beehive 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 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

Describe swarming.

Performance criteria

- 1.1 Describe the queen bee rearing impulses in relation to swarming.
- 1.2 Describe the function of swarming and the reasons why it occurs.
- 1.3 Describe the signs of swarming.

Outcome 2

Describe the methods for swarm control and control a swarm.

Performance criteria

- 2.1 Describe swarm control in terms of the methods and their suitability for various situations.

Range evidence of two methods is required.
- 2.2 Carry out one method of swarm control.

Outcome 3

Unite beehives.

Performance criteria

- 3.1 Unite two beehives and monitor the new unit.

Outcome 4

Divide a beehive.

Performance criteria

- 4.1 Explain the steps involved in dividing a beehive.
- 4.2 Divide a beehive.
- 4.3 Maintain and sterilise bee equipment.

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

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.