

Title	Demonstrate knowledge of plants that provide feed for bees and harvest declarations		
Level	3	Credits	4

Purpose	People credited with this unit standard are able to: describe flower biology and how bees obtain food; demonstrate knowledge of local bee flora and the influence of weather on honey flow; demonstrate knowledge of plants that contribute to poisonous honey, honey dew or bee toxicity; and describe, locate, and complete a harvest declaration.
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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
Harvest declaration is a form that must be completed by beekeepers when supplying honey for extraction. This statement is for the purposes of providing information to support fitness for human consumption, product traceability and suitability, in accordance with requirements of the Food Act 2014 and the Animal Products Act 1999. Beekeepers must comply with the Food Standard: Tutin in Honey 2016.

- 3 Reference
 Matheson, A. and Reid, M. (2018). *Practical Beekeeping in New Zealand*. (5th Edition: The Definitive Guide). Dunedin: Exisle Publishing Ltd. ISBN 978-1-77559-362-1.

Outcomes and performance criteria

Outcome 1

Describe flower biology and how bees obtain food.

Performance criteria

- 1.1 Describe the pollination process by bees on a flower.
- 1.2 Describe how bees remove and transport pollen and nectar from flowers.

Outcome 2

Demonstrate knowledge of local bee flora and the influence of weather on honey flow.

Performance criteria

- 2.1 Identify key nectar and pollen producing plants in a specified area.
- 2.2 Describe how seasonal variation in weather can affect the availability of pollen and nectar in key plants.

Outcome 3

Demonstrate knowledge of plants that contribute to poisonous honey, honey dew or bee toxicity.

Range must include – karaka, tutu, kowhai, rhododendrons.

Performance criteria

- 3.1 Identify plants that contaminate bee products with poison and contribute to bee toxicity when honey is produced.
- 3.2 Describe how to manage and avoid toxic effects of plants.

Outcome 4

Describe, locate, and complete, a harvest declaration.

Performance criteria

- 4.1 Describe the purpose of harvest declarations.
- 4.2 Locate and complete a harvest declaration.

Replacement information	This unit standard replaced unit standard 20254.
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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

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.