

Title	Demonstrate understanding of the process, role and significance of plant pollination by bees		
Level	2	Credits	3

Purpose	People credited with this unit standard are able to demonstrate understanding of: the process of pollination; the role of the honey bee in plant pollination; and the significance of pollination to New Zealand's primary industries.
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Classification	Agriculture > Apiculture
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Available grade	Achieved
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Guidance Information

Definition

Understanding means that there should be evidence of a learner's thorough comprehension of a topic. A learner with a good understanding of a topic should have applied, or should be able to apply what they have learnt to a workplace situation and will be able to alter their practices to the different contexts they are applying their learning to. Assessors should be confident that the learner's understanding is embedded in their practices and behaviour.

Outcomes and performance criteria

Outcome 1

Demonstrate understanding of the process of pollination.

Performance criteria

- 1.1 Describe the pollination process.
- 1.2 Describe the different types of pollinators.
Range at least two pollinators.
- 1.3 Describe the events following pollination in terms of seed and fruit set.

Outcome 2

Demonstrate understanding of the role of the honey bee in plant pollination.

Performance criteria

- 2.1 Describe the features of the honey bee anatomy that are important for pollination.
- 2.2 Describe bee pollination behaviour in terms of navigation and communication.

Outcome 3

Demonstrate understanding of the significance of pollination to New Zealand's primary industries.

Performance criteria

- 3.1 Explain the importance of crop pollination for agriculture and horticulture.
- 3.2 Identify key commercial crops that are pollinated by bees in New Zealand.
- Range: three crops for agriculture and three crops for horticulture.

Planned review date	31 December 2022
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Status information and last date for assessment for superseded versions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	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.