

FIELD AGRICULTURE, FORESTRY AND FISHERIES**Review of *Apiculture* unit standards 19883-19893 and 20249-20258**

Subfield	Domain	Id
Agriculture	Apiculture	19883-19893, 20249-20258

The Agriculture Industry Training Organisation (Agriculture ITO) has completed the review of the unit standards listed above.

Date new versions published

August 2009

Planned review date

December 2014

Summary of review and consultation process

The unit standards were reviewed as they had reached their planned review date and changes were required to reflect changes in the industry.

During 2008 a review meeting was convened with the apiculture industry committee. The committee was made up of practising beekeepers from the beekeeping industry, an entymology scientist, and training providers.

Follow up from the review meeting included two cycles of email consultation and teleconferences with members of the apiculture industry committee and New Zealand Food Safety Authority (NZFSA) personnel, regarding food safety regulations and standards.

The review process included the opportunity for wider industry and public comment and feedback via the Agriculture ITO's web-site. Changes were considered by the apiculture industry committee and incorporated if considered valid.

Final versions of the reviewed apiculture unit standards were endorsed by the apiculture industry committee, and signed off by the President of the New Zealand Beekeeper's Association who was involved with all stages of the review.

Main changes resulting from the review

- References and contact details in special notes were updated.
- Standard 19891 has been replaced by standards 25889 and 25890 to reflect the fact not everyone has access to commercial honey extractors and manual honey extraction is still an acceptable way to extract honey.
- Standard 20252 has been replaced by standards 25891 and 25892 because the industry needs to be aware of the process for rearing queens but not everyone has access to the actual rearing facilities.
- Standard 19884 was updated with the inclusion of plastic frames in the performance criteria and the special note definition for frames has been deleted.
- Varroa mite check has been added to standard 19887.
- Food Safety Programme requirements have been added to standard 20251.

- Element 3 has been deleted from standard 20255 as evaluating beehives for pollination programmes is no longer required.
- New standards 25893, 25894, 25895, 25896, 25897, 25898, and 25899 have been written to cover gaps identified during the review process.

The unit standards categorised as category C will expire at the end of December 2010.

Impact on existing provider accreditations

None.

Impact on existing qualifications

Qualifications that contain the reviewed standards or classifications are tabled below.

Affected	The qualification lists a reviewed classification (domain or subfield) in an elective set The qualification lists a standard that has changes to level or credits The qualification lists a C or D category standard
Not materially affected	The qualification lists a standard that has a new title The qualification lists a standard that has a new classification

The following Agriculture Industry Training Organisation qualifications are affected by the outcome of this review and will be reviewed in 2009.

Qualification title	Classification or standard in the qualification
National Certificate in Apiculture (Level 2) [Ref: 1036]	19887, 19891
National Certificate in Apiculture (Level 3) [Ref: 1069]	20252, 20256

Review Categories and changes to classification, title, level, and credits

All changes are in **bold**.

Key to review category	
A	Dates changed, but no other changes are made - the new version of the standard carries the same Id and a new version number
B	Changes made, but the overall outcome remains the same - the new version of the standard carries the same Id and a new version number
C	Major changes that necessitate the registration of a replacement standard with a new Id
D	Standard will expire and not be replaced

Subfield Agriculture
Domain Apiculture

Id	Title	Level	Credit	Review Category
19883	Demonstrate knowledge of beehive, and beehive frame assembly and repair	2	2	B
19884	Construct and repair beehives, and beehive frames	2	4	B
19885	Open and close a beehive, work in an apiary, and feed a beehive	2	5	B
19886	Demonstrate knowledge of disease in the bee colony	2	3	B

Id	Title	Level	Credit	Review Category
19887	Identify disease in a bee colony, and carry out apiary site management in the presence of disease Identify disease in a bee colony, and conduct apiary site management in the presence of disease	2	3 4	B
19888	Demonstrate knowledge of the New Zealand beekeeping industry, and career and training opportunities	2	2	B
19889	Prepare a beehive for wintering	2	2	B
19890	Requeen a beehive	2	3	B
19891	Remove honey from beehives, and assist with extraction of honey and product processing	3	6	C
25889	Remove honey supers from beehives	3	3	
25890	Assist with the commercial extraction of honey and product processing	3	4	
19892	Shift beehives	2	3	B
19893	Describe physical characteristics of bees and their behaviour	2	3	B
20249	Manipulate beehives in spring, evaluate queen performance, and requeen beehives	4	7	B
20250	Demonstrate knowledge of endemic and exotic bee diseases, disorders, pests, and conditions	3	6	B
20251	Use and maintain a honey processing plant	4	7	B
20252	Rear queen bees	4	9	C
25891	Describe the process of rearing queen bees	4	3	
25892	Rear queen bees	4	6	
20253	Plan, manage beehives for, and evaluate, pollination programmes Plan and manage beehives for pollination programmes	4	9 6	B
20254	Demonstrate knowledge of plants and their role in beekeeping	3	6	B
20255	Describe the role of bees in pollination	3	3	B
20256	Describe the production of beehive products	3	6 7	B
20257	Demonstrate knowledge of the varroa mite and its control in the beekeeping industry	3	6	B
20258	Demonstrate knowledge of American foulbrood (AFB) and its control in the beekeeping industry	3	6	B
25893	Describe bee feeding, feeders and types of bee feed	2	2	New
25894	Carry out manual extraction of honey and product processing	3	3	New
25895	Artificially inseminate queen honey bees	5	4	New
25896	Demonstrate knowledge of honey grading, creaming, and packing	3	2	New

Id	Title	Level	Credit	Review Category
25897	Describe risk management programmes (RMPs) and the Code of Practice (COP) for honey houses	4	6	New
25898	Describe the export system and certification requirements for bee producers and bee products	3	3	New
25899	Describe honey bees, beehives, bee stings, bee diseases, and honey harvesting and processing	2	2	New