

Field Agriculture, Forestry and Fisheries**Revision and review of *Agriculture, Horticulture and Primary Skills* unit standards**

Subfield	Domain	ID
Agriculture	Agricultural Vehicles and Machinery	29297
	Farming Skills	10087
	Fencing	24821
Horticulture	Fruit Production	803, 21217, 21218, 21220, 21223
	Production Horticulture	830, 832, 21045, 22179, 29501, 29821, 29822, 29828, 29830, 29831, 29832, 29833, 29834, 29837, 29840, 29841, 29842, 29844
Primary Sector	Plant Pest, Weed, and Disease Control	27208, 27217

The Muka Tangata – Workforce Development Council has completed the review of the unit standards listed above. The unit standard in **bold** has been revised only.

Date new versions published

January 2022

Planned review date

December 2026

Planned review date for revised standard (unchanged)

December 2025

Summary

The Muka Tangata WDC reviewed *Agriculture, Horticulture and Primary Skills* unit standards to better reflect the requirements of the updated qualification graduate outcomes.

Level 3 unit standards in the *Production Horticulture* domain were reviewed according to their planned review date. Unit standard 24821 had been reviewed in May 2021, however errors were noted on publication. Further amendments suggested by industry to the selected unit standard were made to ensure it was fit for purpose.

Consultation was carried out in August 2021 where consent to assess holders and stakeholders had the opportunity to give comment on a survey sent asking for feedback to amendments. This feedback was addressed where appropriate.

Main changes

- One unit standard (24821) was revised and 27 unit standards were reviewed.
- Unit standards were updated to meet current NZQA template requirements.
- Unit standard 830 was replaced with two new standards because in some orchards fruit tree training and pruning is completed either on young or mature trees.
- Unit standards 803, 21217, 21220 and 21223 were expired due to little or no usage in the last two years, and no anticipated usage in the future.
- Guidance information and performance criteria were amended to ensure unit standards content remained fit for purpose.
- Titles were updated for some unit standards to better reflect outcomes.

The last date for assessment of superseded versions of Category B unit standards is December 2024

Category C and D unit standards will expire at the end of December 2022

Impact on existing organisations with consent to assess

Current consent for			Consent extended to		
Nature of consent	Classification or ID	Level	Nature of consent	Classification or ID	Level
Standard	830	3	Standards	32883, 32884	3

Detailed list of unit standards – classification, title, level, and credits

All changes are in **bold**.

Revised standard

Agriculture, Forestry and Fisheries > Agriculture > Fencing

ID	Title	Level	Credit
24821	Locate the position of, and install, primary and intermediate posts for fencing	3	6

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

Agriculture, Forestry and Fisheries > Agriculture > Agricultural Vehicles and Machinery

ID	Title	Level	Credit	Review Category
29297	Operate and maintain a chainsaw in a land-based context	3	8	B

Agriculture, Forestry and Fisheries > Agriculture > Farming Skills

ID	Title	Level	Credit	Review Category
10087	Plan plantings for insect and bird retention Describe and plan plantings for insect and bird retention for a given situation	3	5	B

Agriculture, Forestry and Fisheries > Horticulture > Fruit Production

ID	Title	Level	Credit	Review Category
803	Use and maintain a berry harvester	4	5	D
21217	Plan a fruit crop	3	5	D
21218	Operate and maintain powered orchard machinery	3	5	B
21220	Maintain and monitor fruit temperatures for a harvested fruit crop	3	5	D
21223	Plan planting layout and plant fruit plants	3	10	D

Agriculture, Forestry and Fisheries > Horticulture > Production Horticulture

ID	Title	Level	Credit	Review Category
830	Train and prune fruit trees	3	5	C
32883	Prune mature fruit trees	3	5	
32884	Train and prune young fruit trees	3	5	

ID	Title	Level	Credit	Review Category
832	Prune and tie up brambles Demonstrate knowledge of training systems for brambles, and prune and tie up brambles	3	5	B
21045	Demonstrate and apply knowledge of compost making in organic horticulture Describe compost making, and make compost in organic horticulture	3	5	B
22179	Maintain a hydroponic system and plants in the system Maintain a hydroponic system and monitor plants in the system	3	5	B
29501	Operate a pipe rail trolley for greenhouse work	3	5	B
29821	Apply and monitor quality control procedures and input data in a post-harvest operation Carry out and monitor quality control procedures and input data in a post-harvest operation	3	8	B
29822	Artificially pollinate tree or vine crops	3	2	B
29828	Demonstrate understanding of horticulture product storage life and post-harvest treatments Describe horticulture product storage life and post-harvest treatments	3	5	B
29830	Demonstrate understanding of quality assurance standards, food safety regulations, and product compliance for a crop Describe quality assurance standards, food safety regulations, and product compliance for a horticulture crop	3	5	B
29831	Demonstrate understanding of the functions of greenhouse environmental control methods for optimising plant growth Describe the functions of greenhouse environmental control methods for optimising plant growth	3	6	B
29832	Demonstrate understanding of workflow management in a horticulture operation Describe workflow management in a horticulture operation	3	5	B
29833	Grade produce to pre-determined criteria using a computerised system Grade produce to pre-determined standards using a computerised system	3	10	B
29834	Field graft and/or bud fruit trees or vines	3	5	B
29837	Palletise produce and complete documentation	3	5	B
29840	Pull out the crop and clean the greenhouse for crop change, and set up the new crop, support and irrigation	3	5	B
29841	Recognise plant pests, diseases, and disorders of a horticulture crop	3	5	B
29842	Select and prepare consumables for continuous post-harvest packing, and update inventory	3	5	B
29844	Stack and store produce in a coolstore or other storage facility Stack and store produce in a coolstore or other storage facility, clean surroundings and document cleaning schedule	3	5	B

Agriculture, Forestry and Fisheries > Primary Sector > Plant Pest, Weed, and Disease Control

ID	Title	Level	Credit	Review Category
27208	Identify and describe plant pests, diseases, and disorders, and methods of prevention and control	3	8	B
27217	Demonstrate knowledge of integrated pest management Describe key features, principles and benefits of integrated pest management in the primary sector	3	5	B