

Field Agriculture, Forestry and Fisheries**Review of *Agriculture, Horticulture, and Primary Sector* unit standards**

Subfield	Domain	ID
Agriculture	Agricultural Resource Maintenance	28896
Horticulture	Production Horticulture	831, 22175, 22186, 22189, 22193, 29823-29825, 29829, 29838, 29845, 30073
	Viticulture	774, 19936
Primary Sector	Plant Pest, Weed, and Disease Control	27207

The Primary ITO has completed the review of the unit standards listed above.

Date new versions published

May 2021

Planned review date

December 2026

Summary

As a result of the review of New Zealand Certificate in Horticulture (Level 3) with strands in Amenity, Arboriculture, Cemetery, Fruit Production, Indoor Crop Production, Outdoor Vegetable Production, Landscape Construction, Nursery Production, Post-Harvest, and Sports Turf [Ref: 2678] the Primary ITO reviewed Level 3 unit standards to better reflect the requirements of the updated qualification graduate outcomes.

As a result of industry consultation, amendments were made to ensure unit standard content remained fit for purpose. Consultation was carried out in February 2021 where consent to assess holders had the opportunity to give comment on the email sent asking for feedback to amendments. This feedback was addressed where appropriate.

Main changes

- Unit standards were updated to meet current NZQA unit standard template requirements.
- 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.
- Outcome 3 was removed from unit standard 831 because learners do not always have the opportunity to train and prune young and mature vines.

The last date for assessment of superseded versions of Category B unit standards is December 2024

Detailed list of unit standards – 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

Agriculture, Forestry and Fisheries > Agriculture > Agricultural Resource Maintenance

ID	Title	Level	Credit	Review Category
28896	Maintain infrastructure in a primary industry workplace	3	5	B

Agriculture, Forestry and Fisheries > Horticulture > Production Horticulture

ID	Title	Level	Credit	Review Category
831	Train and prune young and mature vine crops Train and prune vine crops	3	5	B
22175	Demonstrate understanding of soil properties and their effect on plant growth Describe soil properties and their effect on plant growth	3	6	B
22186	Prepare, and harvest a horticulture crop by hand Prepare equipment, and harvest a horticulture crop by hand	3	5	B
22189	Maintain an irrigation system used in horticulture Describe irrigation filters, and repair and maintain an irrigation system used in horticulture	3	5	B
22193	Fertilise a selected horticulture area Calculate fertiliser requirements, prepare and apply fertiliser, and maintain and store fertiliser equipment	3	5	B
29823	Carry out canopy maintenance of trees or vines	3	5	B
29824	Carry out maturity testing of crop samples	3	5	B
29825	Collect samples for crop maturity testing	3	3	B
29829	Demonstrate understanding of plant structure, functions and processes Demonstrate knowledge of plant structure, functions and processes	3	5	B
29838	Plant and care for plants	3	5	B
29845	Support mechanical crop harvesting	3	6	B
30073	Carry out manual thinning of tree or vine crops to optimise crop loading Carry out manual thinning of tree or vine crops	3	5	B

Agriculture, Forestry and Fisheries > Horticulture > Viticulture

ID	Title	Level	Credit	Review Category
774	Use and maintain a grape leaf trimmer	3	5	B
19936	Setup, operate, shut down and maintain vineyard equipment	3	10	B

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

ID	Title	Level	Credit	Review Category
27207	Describe and carry out monitoring of plant pests and diseases	3	5	B