

Field Agriculture, Forestry and Fisheries

Review of *Horticulture* unit standards

Subfield	Domain	ID
Horticulture	Forest Nursery	10944, 10948, 10949, 10956
	Horticulture Production Management	3004, 3008
	Production Horticulture	29888, 29895, 29897, 29898, 29903

Primary Industry Training Organisation has completed the review of the unit standards listed above.

Date new versions published

February 2022

Planned review date

December 2026

Summary

The Primary ITO reviewed *Horticulture* unit standards to better reflect the reviewed requirements of the associated qualification graduate outcomes.

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

Main changes

- Four *Forest Nursery*, two *Horticulture Production Management* and five *Production Horticulture* unit standards were updated to meet current NZQA unit standard template requirements.
- Unit standard 10948 level increased to level 4 with an increase in credits to reflect the learning and assessment requirements.
- Guidance information and performance criteria were amended to ensure unit standard content remained fit for purpose.
- Titles were updated for some unit standards to better reflect outcomes.
- Unit standards 3004, 10944, 10948, 10949 and 10956 have had an increase in credits, to better reflect the time taken to achieve the specialised learning and assessment that is needed to achieve the outcome. As a result of consultation with industry and stakeholders, it was found that the original credits were insufficient to achieve the outcomes.
- Unit standards 3004 and 3008 have been reclassified from *Horticulture Production Management* to *Production Horticulture*.
- Unit standards were transferred from CMR 0032 to CMR 0052.

The last date for assessment of superseded versions of Category B unit standards is December 2024

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
Domain	Horticulture Production Management	4-6	Standards	3004, 3008	4
Subfield	Horticulture	3	Standard	10948	4

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 > Horticulture > Forest Nursery

ID	Title	Level	Credit	Review Category
10944	Demonstrate knowledge of seed orchards Describe the concept of seed orchard situation, establishment, and management	4	4 5	B
10948	Demonstrate knowledge of ley cropping in forest nurseries Demonstrate knowledge of, implement, and monitor ley cropping principles in forest nurseries	3 4	5 10	B
10949	Describe the nature of mycorrhizal fungi and inoculate seedbed areas with mycorrhizae in a forest nursery Demonstrate and apply knowledge of mycorrhizal fungi and mycorrhizal inoculation in a forest nursery	4	3 5	B
10956	Demonstrate knowledge of steps involved in producing high quality bare root seedlings Describe the production of bare root seedlings in a forest nursery	4	4 8	B

Agriculture, Forestry and Fisheries > Horticulture > Horticulture Production Management Agriculture, Forestry and Fisheries > Horticulture > **Production Horticulture**

ID	Title	Level	Credit	Review Category
3004	Use soil-less growing media in horticulture Describe the use of, and grow crops and specimens, in soil-less growing media in horticulture	4	4 5	B
3008	Demonstrate understanding of plant classification in horticulture Demonstrate knowledge of plant classification in horticulture	4	5	B

Agriculture, Forestry and Fisheries > Horticulture > Production Horticulture

ID	Title	Level	Credit	Review Category
29888	Demonstrate understanding of nursery production Demonstrate knowledge of nursery production	4	8	B
29895	Implement nursery crop production schedules and monitor nursery crops	4	10	B
29897	Implement and monitor pack and dispatch in a nursery production workplace	4	20	B
29898	Implement plant propagation plans and monitor plant propagation	4	20	B

ID	Title	Level	Credit	Review Category
29903	Supervise irrigation in a horticulture growing environment	4	6	B