

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

Subfield	Domain	ID
Horticulture	Horticulture Resources Management	29923, 29925
	Nursery Production	29914, 29917
	Production Horticulture	29904-29913, 29915, 29916, 29918-29922, 29924

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

Date new versions published

December 2021

Planned review date

December 2026

Summary

The Primary ITO reviewed *Horticulture* unit standards to better reflect the requirements of the updated New Zealand Diploma in Horticulture Production (Level 5) with strands in Fruit Production, Indoor Crop Production, Nursery Production, Outdoor Crop Production, Post-Harvest, and Wine Growing [Ref: 2666-2] graduate outcomes. Level 5 Horticulture unit standards were reviewed according to their planned review date. 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

- 22 unit standards were updated to meet current NZQA unit standard template requirements.
- Credits were reduced for unit standards 29920 and 29921 to better reflect training durations.
- Unit standard 29925 was reclassified from *Horticulture Resources Management* to *Primary Sector Resources Management* to reflect the wider usage of the unit standard across primary sectors.
- 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The last date for assessment of superseded versions of Category B unit standards is December 2023

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
Field	Agriculture, Forestry and Fisheries	6	Standard	29925	5
Domain	Horticulture Resources Management	6-7	Standard	29925	5

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 > Horticulture Resources Management

ID	Title	Level	Credit	Review Category
29923	Manage labour requirements for a horticulture operation Describe and manage labour requirements for a horticulture operation	5	5	B

Agriculture, Forestry and Fisheries > Horticulture > Horticulture Resources Management

Agriculture, Forestry and Fisheries > **Primary Sector** > **Primary Sector Resources Management**

ID	Title	Level	Credit	Review Category
29925	Provide leadership and relationship management for a team in a primary industry operation Lead, coach and manage relationships for a team in a primary industry operation	5	15	B

Agriculture, Forestry and Fisheries > Horticulture > Nursery Production

ID	Title	Level	Credit	Review Category
29914	Develop an order dispatch plan for a nursery, and manage its implementation and review	5	10	B
29917	Evaluate nursery best management practices and describe how they impact on crop performance Evaluate nursery best management practices, describe how they impact on crop performance and recommend improvements	5	15	B

Agriculture, Forestry and Fisheries > Horticulture > Production Horticulture

ID	Title	Level	Credit	Review Category
29904	Demonstrate understanding of greenhouse environmental management and CO2 enrichment of greenhouses Describe environmental management and carbon dioxide enrichment of greenhouses	5	5	B
29905	Demonstrate understanding of inventory, and manage in a post-harvest operation Describe inventory, and plan and manage an inventory management system in a post-harvest operation	5	5	B
29906	Demonstrate understanding of post-harvest physiology and storage Describe post-harvest physiology and storage	5	5	B
29907	Develop a fruit or indoor crop harvest plan, and manage its implementation and review Develop a horticulture crop harvest plan, and manage its implementation and review	5	10	B

ID	Title	Level	Credit	Review Category
29908	Develop a fruit, or indoor, or nursery production plan, and manage its implementation and review Develop a horticulture production plan, and manage its implementation and review	5	20	B
29909	Develop a horticulture production quality control plan, and manage its implementation and review	5	15	B
29910	Develop a plan to optimise efficiency of a post-harvest system, and manage its implementation and review	5	15	B
29911	Develop a post-harvest operation plan, and manage its implementation and review	5	20	B
29912	Develop a post-harvest quality control plan, and manage its implementation and review	5	20	B
29913	Develop an integrated pest management plan for a horticulture context, and manage its implementation and review	5	20	B
29915	Develop an outdoor vegetable harvest plan, and manage its implementation and review	5	6	B
29916	Develop an outdoor vegetable production plan, and manage its implementation and review	5	14	B
29918	Describe a quality control system, and interpret quality requirements and standards for a horticulture product Describe a quality control system, and identify quality requirements and standards for a horticulture product	5	10	B
29919	Investigate a fruit or indoor crop management technique, develop a plan, and manage its implementation and review Investigate a horticulture crop management technique, develop a plan, and manage its implementation and review	5	15	B
29920	Investigate sustainable outdoor vegetable management techniques, develop a plan and manage its implementation and review Identify a sustainable outdoor vegetable management technique, develop a plan, and manage its implementation and review	5	20 10	B
29921	Investigate outdoor vegetable crop management techniques, develop plans, and manage their implementation and review Investigate an outdoor vegetable crop management technique, develop a plan, and manage its implementation and review	5	30 15	B
29922	Manage an agrichemical risk management plan for a horticulture operation	5	5	B
29924	Manage plant, machinery and/or equipment in a horticulture operation	5	5	B