



New Zealand Apprenticeship Horticulture Fruit Production (Level 3 & 4)

2678 New Zealand Certificate in Horticulture (Level 3) Fruit Production Strand

2676 New Zealand Certificate in Horticulture Production (Level 4) Fruit Production Strand

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|--|--|-----------------------|------------------|
| Name | | Employer | |
| Employee Number (if applicable) | | Workplace/Site | |
| Enrolment Date | | Duration | 29 Months |
| Programme Title | PR-40752 - NZA - Horticulture Production - Fruit Production (Level 3&4) v2 | | |

New Zealand Apprenticeship Requirements

You will be awarded this New Zealand Apprenticeship once you have gained 167 credits and completed both Level 3 and Level 4 qualification requirements below.

Qualification Requirements

2678 New Zealand Certificate in Horticulture (Level 3) Fruit Production Strand

You will be awarded this qualification once you have gained 77 credits

52 credits from the Level 3 Compulsory Section

25 credits from the Level 3 Elective Section

2676 New Zealand Certificate in Horticulture Production (Level 4) Fruit Production Strand

You will be awarded this qualification once you have gained 90 credits

All credits come from the Level 4 Compulsory Section

Compulsory – Level 3

The following unit standards are required

| Unit No. | Unit Title | Tutorial Day/s | Version | Level | Credits | Selected |
|--------------|---|----------------|---------|-------|-----------|-----------|
| 9681 | Contribute within a team or group which has an objective | 1 | 7 | 3 | 3 | 3 |
| 11097 | Listen actively to gain information in an interactive situation | | 5 | 3 | 3 | 3 |
| 9680 | Communicate within a specified organisational context | | 6 | 2 | 3 | 3 |
| 10791 | Participate in an informal meeting | | 5 | 2 | 3 | 3 |
| 30073 | Carry out manual thinning of tree or vine crops to optimise crop loading | | 1 | 3 | 5 | 5 |
| 29823 | Carry out canopy maintenance of trees or vines | | 1 | 3 | 5 | 5 |
| 22175 | Demonstrate understanding of soil properties and their effect on plant growth | 1 | 2 | 3 | 6 | 6 |
| 29829 | Demonstrate understanding of plant structure, functions and processes | 1 | 1 | 3 | 5 | 5 |
| 28896 | Maintain infrastructure in a primary industry workplace | | 1 | 3 | 5 | 5 |
| 27208 | Identify and describe plant pests, diseases, and disorders, and methods of prevention and control | 1 | 1 | 3 | 8 | 8 |
| 27210 | Identify and describe weeds, and methods of prevention and control | 1 | 1 | 3 | 6 | 6 |
| Total | | | | | 52 | 52 |

Elective - Level 3

Minimum 25 Credits Required - Follow below rules in grey shading to make unit standard selections

| Select only 1 unit standard | | | | | | |
|---|--|----------------|---------|-------|---------|----------|
| Unit No. | Unit Title | Tutorial Day/s | Version | Level | Credits | Selected |
| 22186 | Prepare, and harvest a horticulture crop by hand | | 2 | 3 | 5 | |
| 29845 | Support mechanical crop harvesting | | 1 | 3 | 6 | |
| A minimum of 5 credits must be selected | | | | | | |
| Unit No. | Unit Title | Tutorial Day/s | Version | Level | Credits | Selected |
| 29834 | Field graft and/or bud fruit trees or vines | | 1 | 3 | 5 | |
| 29822 | Artificially pollinate tree or vine crops | | 1 | 3 | 2 | |
| 29838 | Plant and care for plants | | 1 | 3 | 5 | |
| 22193 | Fertilise a selected horticulture area | | 2 | 3 | 5 | |
| Select only 1-unit standard | | | | | | |
| Unit No. | Unit Title | Tutorial Day/s | Version | Level | Credits | Selected |
| 831 | Train and prune young and mature vine crops | | 5 | 3 | 5 | |
| 832 | Prune and tie up brambles | | 6 | 3 | 5 | |
| 830 | Train and prune fruit trees | | 6 | 3 | 5 | |
| A minimum of 5 credits must be selected | | | | | | |
| Unit No. | Unit Title | Tutorial Day/s | Version | Level | Credits | Selected |
| 21218 | Operate and maintain powered orchard machinery | | 3 | 3 | 5 | |
| 24552* | Check and drive a basic wheel tractor with an attached implement on flat terrain * Also select Pre-req 19044 | 2 | 2 | 2 | 5 | |
| 19044 | Demonstrate knowledge of the legal requirements and hazards associated with tractor use | | 3 | 2 | 3 | |
| 24539* | Maintain and use a power take off (PTO) driven implement attached to a tractor * Also select Pre-req 19044 & 24552 | | 2 | 3 | 4 | |
| 24553* | Drive a light utility vehicle (LUV) on flat terrain * Also select Pre-req 24556 | 2 | 2 | 2 | 4 | |
| 24556 | Demonstrate knowledge of the safe operation of a light utility vehicle (LUV) | | 2 | 2 | 3 | |
| 24554* | Ride a quad bike on flat terrain in the workplace * Also select Pre-req 24557 | 2 | 2 | 2 | 4 | |
| 24557 | Demonstrate knowledge of the safe operation of a quad bike | | 3 | 2 | 3 | |
| A minimum of 5 credits must be selected | | | | | | |
| Unit No. | Unit Title | Tutorial Day/s | Version | Level | Credits | Selected |
| 27213 | Identify and interpret agrichemical product information, and demonstrate knowledge of safety with agrichemicals | | 1 | 2 | 5 | |
| 27215 | Prepare to apply, and apply, agrichemicals using hand held equipment | | 1 | 2 | 5 | |
| 27216 | Prepare to apply, and apply, agrichemicals using motorised equipment | | 1 | 3 | 4 | |
| 27217 | Demonstrate knowledge of integrated pest management (IPM) | | 1 | 3 | 5 | |
| 21561 | Use, maintain, and store agrichemical personal protective equipment (PPE) | | 2 | 2 | 2 | |
| 21560 | Demonstrate knowledge of agrichemicals | | 2 | 3 | 6 | |
| 21563 | Demonstrate knowledge of the HSNO Act, and NZS 8409:2004 for the use of agrichemicals | 1 Growsafe | 3 | 3 | 5 | |

| | | |
|-------------------------------|------------------------------------|-----------------|
| | Elective Total | |
| Level 3 Credit Summary | | Selected |
| | Total Credits from Compulsory | 52 |
| | Total Credits from Elective/s | |
| | Total Qualification Credits | 77 |

Compulsory – Level 4

The following unit standards are required

| Unit No. | Unit Title | Tutorial Day/s | Version | Level | Credits | Selected |
|------------------------------------|---|----------------|---------|-------|---------|-----------------|
| 9704 | Manage interpersonal conflict | 1 | 8 | 4 | 4 | 4 |
| 21335 | Lead a team to achieve an objective | | 4 | 4 | 5 | 5 |
| 29886 | Demonstrate understanding of quality standards, and regulatory requirements for a horticulture crop | 1 | 1 | 4 | 6 | 6 |
| 29885 | Demonstrate understanding of plant biology in a production horticulture context | 1 | 1 | 4 | 5 | 5 |
| 29900 | Implement and monitor plant management techniques to optimise production | | 1 | 4 | 10 | 10 |
| 29889 | Implement and monitor a crop harvest plan in a horticulture workplace | | 1 | 4 | 10 | 10 |
| 29890 | Implement and monitor a horticulture crop protection plan | | 1 | 4 | 25 | 25 |
| 29901 | Monitor, record, and report on production goals in a horticulture workplace | | 1 | 4 | 4 | 4 |
| 29893 | Implement and monitor fruit crop production activities | | 1 | 4 | 21 | 21 |
| Level 4 Credit Summary | | | | | | Selected |
| Total Credits from Compulsory | | | | | | 90 |
| Total Qualification Credits | | | | | | 90 |