

New Zealand Apprenticeship in Horticulture (Level 4) (Fruit Production) (Complex)

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

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

Name		Employer	
Employee Number (if applicable)		Workplace/Site	
Enrolment Date		Duration	28 Months
Programme Title	PR-40752 - NZA - Horticulture (Level 4) (Fruit Production) (Complex) v6		
Training Plan		Activate Now	Order resources now
NZC – Horticulture (Level 3) Fruit Production) (75 Credits)		☐	☐
NZC – Horticulture Production (Level 4) Fruit Production (90 Credits)		☐	☐

New Zealand Apprenticeship Requirements

You will be awarded this New Zealand Apprenticeship (NZA) once you have gained the required 165 credits from the unit standard and programme rules for the two qualifications that make up the NZA.

Qualification Requirements

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

You will be awarded this qualification once you have gained a minimum of 75 credits

35 credits come from the Compulsory Section

40 credits come from the Elective Section

Including Compulsory and Elective Sections the Learner must have at least 40 credits at Level 3

A maximum of 81 credits can be selected for this programme.

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

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

85 credits come from the Compulsory Section

5 credits come from the Elective Section

A maximum of 95 credits can be selected for this programme.

Tutorial Days

Off-job training unit standards are noted with the number of days in the tutorial day/s column.

Level 3 - Compulsory

The following unit standards are required.

US	Unit Title	Tutorial Day/s	Version	Level	Credits	Select US & Resource
11097	Listen actively to gain information in an interactive situation	1	6	3	3	NZC Horticulture L3 Fruit Production LR
28650	Work in a team to achieve designated tasks in a primary industry operation		3	3	3	
17593	Apply safe work practices in the workplace		6	2	4	
22175	Describe soil properties and their effect on plant growth	1	3	3	6	
27208	Identify and describe plant pests, diseases, and disorders, and methods of prevention and control	1	3	3	8	
27210	Identify and describe weeds, and methods of prevention and control	1	2	3	6	
29829	Demonstrate knowledge of plant structure, functions and processes	1	2	3	5	
Compulsory Total					35	

Level 3 - Elective

40 Credits Required - **Follow the rules in grey shading** to make unit standard selection meet programme completion rules.

US	Unit Title	Tutorial Day/s	Version	Level	Credits	Select US & Resource
Select a minimum of 40 credits from the following						
00831	Train and prune vine crops		6	3	5	
19138	Describe weather, climate and micro-climate characteristics, and interpret weather maps for a primary industry operation		3	2	4	
21045	Describe compost making, and make compost in organic horticulture		2	3	5	
21560	Explain agrichemical use for primary sector applications		3	3	6	
21561	Use, maintain, and store agrichemical personal protective equipment		3	2	2	
22186	Prepare equipment, and harvest a horticulture crop by hand		3	3	5	
22193	Calculate fertiliser requirements, prepare and apply fertiliser, and maintain and store fertiliser equipment		3	3	5	
24615	Check and report on crop health and stages of development		3	2	5	
27213	Identify and interpret agrichemical product information, and describe safety procedures when working with agrichemicals		2	2	5	
27215	Prepare to apply and apply agrichemicals using hand held equipment		3	2	5	
27216	Prepare to apply and apply agrichemicals using motorised equipment		4	3	8	
27217	Describe key features, principles and benefits of integrated pest management in the primary sector		2	3	5	
28896	Maintain infrastructure in a primary industry workplace		2	3	5	
29823	Carry out canopy maintenance of trees or vines		2	3	5	
29827	Demonstrate knowledge of agrichemicals, and safety when using agrichemicals		2	3	5	
29832	Describe workflow management in a horticulture operation		2	3	5	
29834	Field graft and/or bud fruit trees or vines		2	3	5	
29838	Plant and care for plants		3	3	5	
29845	Support mechanical crop harvesting		2	3	6	
30073	Carry out manual thinning of tree or vine crops		2	3	5	
32883	Prune mature fruit trees		1	3	5	
32884	Train and prune young fruit trees		1	3	5	
Elective Total					40	
Credit Summary						Selected
Total Credits from Compulsory						35
(Min 40 Credits) Total Credits from Elective/s						
(Max 81 credits) Total Qualification Credits						

Including Compulsory and Elective Sections the Learner must have at least 40 credits at Level 3

Level 4 - Compulsory

The following unit standards are required.

US	Unit Title	Tutorial Day/s	Version	Level	Credits	Select US & Resource
01171	Supervise and provide instruction to staff working in a primary industry operation	1	10	4	10	NZC Horticulture L4 – Fruit Production LR
29885	Describe plant biology in a production horticulture context	1	2	4	5	
29886	Describe quality standards and regulatory requirements for a horticulture crop	1	2	4	6	
29889	Implement and monitor a crop harvest plan in a horticulture workplace		2	4	10	
29890	Implement and monitor a horticulture crop protection plan		2	4	20	
29893	Implement and monitor fruit crop production activities		2	4	20	
29900	Implement and monitor plant management techniques in a production horticulture workplace to optimise production		2	4	10	
29901	Monitor, record, and report on production goals in a horticulture workplace		2	4	4	
Compulsory Total					85	

Level 4 - Elective

5 Credits Required - **Follow the rule in grey shading** to make unit standard selection meet programme completion rules.

US	Unit Title	Version	Level	Credits	Select US & Resource
Select a minimum of 5 credits from the following unit standards					
32900	Describe frosts, and frost protection methods for a horticulture operation	1	4	5	
32901	Describe organic and biodynamic practices, certification requirements, and practices for a horticulture operation	1	4	5	
32903	Demonstrate and apply knowledge of water conservation and use in a horticulture operation	1	4	5	
Elective Total				5	
Credit Summary					Selected
Total Credits from Compulsory					85
(Min 5 credits) Total Credits from Elective					
(Max 95 credits) Total Qualification Credits					

Resource Order Information

Level 3 - Learner Resource Order

- LR contains all Compulsory unit standards. Individual Elective unit standards must be selected from the Matrix to create Learner Resource folder.

Learner Resource Order Delivery Details		
Send resource order to:	Selected	Name
Learner		
Workplace		
Other		
If Other enter Send to and Address details here:		

Level 3 - Assessor/Verifier Resource Order

- AVR contains Assessor Verifier Guides for all Compulsory unit standards. Individual Elective unit standards must be selected to create AVR folder.

Assessor/Verifier Resource Order Delivery Details		
Send resource order to:	Selected	Name
Assessor/Verifier		
Workplace		
Other		
If Other enter Send to and Address details here:		

Resource ID	Resource Name	Select
RES-23759	NZC Horticulture L3 Fruit Production AVR (Includes all Compulsory unit standards)	
RES-22643	00831 v6 - Train and prune vine crops L3 AVG	
RES-23274	19138 v3 - Describe weather, climate and micro-climate characteristics, and interpret weather maps for a primary industry operation L2 AVG	
RES-24005	21045 v2 - Describe compost making, and make compost in organic horticulture L3 AVG	
RES-21496	21560 v3 - Explain agrichemical use for primary sector applications L3 AVG	
RES-22300	21561 v3 - Use, maintain, and store agrichemical personal protective equipment L2 AVG	
RES-22645	22186 v3 - Prepare equipment, and harvest a horticulture crop by hand L3 AVG	
RES-22665	22193 v3 - Calculate fertiliser requirements, prepare and apply fertiliser, and maintain and store fertiliser equipment L3 AVG	
RES-23287	24615 v3 - Check and report on crop health and stages of development L2 AVG	
RES-23391	27213 v2 - Identify and interpret agrichemical product information, and describe safety procedures when working with agrichemicals L2 AVG	
RES-22286	27215 v3 - Prepare to apply and apply agrichemicals using hand held equipment L2 VAG	
RES-23276	27216 v4 - Prepare to apply and apply agrichemicals using motorised equipment L3 AVG	
RES-23275	27217 v2 - Describe key features, principles and benefits of integrated pest management in the primary sector L3 AVG	
RES-22659	28896 v2 - Maintain infrastructure in a primary industry workplace L3 AVG	
RES-22647	29823 v2 - Carry out canopy maintenance of trees or vines L3 AVG	
RES-23277	29827 v2 - Demonstrate knowledge of agrichemicals, and safety when using agrichemicals L3 AVG	

Resource ID	Resource Name	Select
RES-23381	29832 v2 - Describe workflow management in a horticulture operation L3 AVG	
RES-23629	29834 v2 - Field graft and/or bud fruit trees or vines L3 AVG	
RES-23273	29838 v3 - Plant and care for plants L3 AVG	
RES-22663	29845 v2 - Support mechanical crop harvesting L3 AVG	
RES-22653	30073 v2 - Carry out manual thinning of tree or vine crops L3 AVG	
RES-23644	32883 v1 - Prune mature fruit trees L3 AVG	
RES-23645	32884 v1 - Train and prune young fruit trees L3 AVG	

Level 4 - Learner Resource Order

- LR contains all Compulsory units. Individual Elective units must be selected to create the Learner Resource.

Learner Resource Order		
Send resource order to:	Selected	Name
Learner		
Workplace		
Other		
If Other enter Send to and Address details here:		
Resource ID	Resource Name	Select
RES-23310	NZC Horticulture L4 – Fruit Production LR	
RES-23163	32900 – v1 Describe frosts, and frost protection methods for a horticulture operation L4 LG & ASS	
RES-23298	32901 v1 - Describe organic and biodynamic practices, certification requirements, and practices for a horticulture operation L4 ASS & LG	
RES-23305	32903 v1 - Demonstrate and apply knowledge of water conservation and use in a horticulture operation L4 LG & ASS	

Level 4 - Assessor/Verifier Resource Order

- Either order the Assessor/ Verifier Resource (AVR) that contains Assessor Verifier Guides for all Unit standards listed in the programme or order individually per Unit standard.

Assessor/Verifier Resource Order Delivery Details		
Send resource order to:	Selected	Name
Assessor/Verifier		
Workplace		
Other		
If Other enter Send to and Address details here:		
Resource ID	Resource Name	Select
RES-23311	NZC Horticulture L4 – Fruit Production AVR (Includes all Compulsory and Elective unit standards)	
Or order individual Verifier Assessor Guides below		
Resource ID	Resource Name	Select
RES-23108	1171 v10 - Supervise and provide instruction to staff working in a primary industry operation L4 AVG	
RES-23175	29885 – v2 Describe plant biology in a production horticulture context L4 AVG	

Resource ID	Resource Name	Select
RES-23156	29886 – v2 Describe quality standards and regulatory requirements for a horticulture crop L4 AVG	
RES-23302	29889 v2 - Implement and monitor a crop harvest plan in a horticulture workplace L4 AVG	
RES-23162	29890 v2 - Implement and monitor a horticulture crop protection plan L4 AVG	
RES-23160	29893 – v2 Implement and monitor fruit crop production activities L4 AVG	
RES-23177	29900 – v2 Implement and monitor plant management techniques in a production horticulture workplace to optimize production L4 AVG	
RES-23158	29901 – v2 Monitor, record, and report on production goals in a horticulture workplace L4 AVG	
RES-23164	32900 – v1 Describe frosts, and frost protection methods for a horticulture operation L4 AVG	
RES-23297	32901 v1 - Describe organic and biodynamic practices, certification requirements, and practices for a horticulture operation L4 AVG	
RES-23306	32903 v1 - Demonstrate and apply knowledge of water conservation and use in a horticulture operation L4 AVG	