

New Zealand Apprenticeship Horticulture Production Wine Growing (Level 3 & 4) (Complex)

2678 New Zealand Certificate in Horticulture (Level 3) (Wine Growing)

2676 New Zealand Certificate in Horticulture Production (Level 4) (Wine Growing)

Name		Employer	
Employee Number (if applicable)		Workplace/Site	
Enrolment Date		Duration	28 Months
Programme Title	PR-45924 - NZA - Horticulture Production (Wine Growing) (Complex) (Level 4) v2		
Training Plan		Activate Now	Order Resources Now
NZC - Horticulture (Level 3) (Wine Growing) (80 Credits)		☐	☐
NZC - Horticulture Production (Level 4) (Wine Growing) (90 Credits)		☐	☐

New Zealand Apprenticeship Requirements

You will be awarded this New Zealand Apprenticeship (NZA) once you have gained the required 170 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) Wine Growing

You will be awarded this qualification once you have gained 80 credits

41 credits come from the Compulsory Section

39 credits come from the Elective Section

A maximum of 89 credits can be selected for this programme

2676 New Zealand Certificate in Horticulture Production (Level 4) Wine Growing

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

80 credits come from the Compulsory Section

10 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 Wine Growing 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	
29239	Demonstrate knowledge of the New Zealand wine industry and New Zealand wines		1	3	6	
29829	Demonstrate knowledge of plant structure, functions and processes	1	2	3	5	
Compulsory Total					41	

RDO indicates the role description options.

Level 3 – Elective

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

The 29 credits can be selected from any of the role description options.

US	Unit Title	Tutorial Day/s	Version	Level	Credits	Select US & Resource
Complete one of the following unit standards						
22186	Prepare equipment, and harvest a horticulture crop by hand		3	3	5	
29845	Support mechanical crop harvesting		2	3	6	
Select 29 Credits from the following unit standards in any section (A maximum of 10 credits may be at Level 2)						
RDO - Wine Growing Annual Tasks						
00831	Train and prune vine crops		6	3	5	
19931	Install and maintain grapevine trellis		3	3	10	
28896	Maintain infrastructure in a primary industry workplace		2	3	5	
29513	Train and hand prune young vines		2	2	5	
29823	Carry out canopy maintenance of trees or vines		2	3	5	
RDO - Wine Growing Technical Skills						
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	
22189	Describe irrigation filters, and repair and maintain an irrigation system used in horticulture		4	3	5	
22193	Calculate fertiliser requirements, prepare and apply fertiliser, and maintain and store fertiliser equipment		3	3	5	
27207	Describe and carry out monitoring of plant pests and diseases		3	3	5	
27217	Describe key features, principles and benefits of integrated pest management in the primary sector		2	3	5	
29240	Demonstrate knowledge of winemaking processes and procedures		1	3	6	
29824	Carry out maturity testing of crop samples		2	3	5	
29825	Collect samples for crop maturity testing		2	3	3	
RDO - Agrichemical Application						
21558	Describe calibration, and calibrate motorised agrichemical application equipment		3	4	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	
29827	Demonstrate knowledge of agrichemicals, and safety when using agrichemicals		2	3	5	

US	Unit Title	Tutorial Day/s	Version	Level	Credits	Select US & Resource
RDO - Vehicles and Machinery						
00774	Use and maintain a grape leaf trimmer		7	3	5	
19046	Service, repair and maintain primary industry machinery		4	3	6	
19936	Setup, operate, shut down and maintain vineyard equipment		4	3	10	
Learners must complete one of the following unit standards						
29823	Carry out canopy maintenance of trees or vines		2	3	5	
30073	Carry out manual thinning of tree or vine crops		2	3	5	
Elective Total						

Credit Summary	Selected
Total Credits from Compulsory	41
(Max 48 credits) Total Credits from Elective/s	
(Max 89 credits) Total Qualification Credits	

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 - Wine Growing L4 LR
21956	Describe grapevine physiology, morphology and phenology	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	
29901	Monitor, record, and report on production goals in a horticulture workplace		2	4	4	
30257	Describe sustainable soil management practices for a horticulture site		2	4	5	
32902	Describe and monitor grapevine health, and implement control measures		1	4	15	
32904	Implement and monitor wine growing activities to achieve grape quality specifications		1	4	15	
32905	Monitor implementation and assess wine growing techniques		1	4	10	
Compulsory Total					80	

Level 4 - Elective

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

US	Unit Title	Version	Level	Credits	Select US & Resource
Select 10 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					

Credit Summary	Selected
Total Credits from Compulsory	80
(Max 15 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 the 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-23761	NZC Horticulture L3 – Wine Growing AVR (Includes all Compulsory unit standards)	
RES-22669	00774 v7 - Use and maintain a grape leaf trimmer L3 AVG	
RES-22643	00831 v6 - Train and prune vine crops L3 AVG	
RES-23004	11097 v6 - Listen actively to gain information in an interactive situation L3 AVG	

Resource ID	Resource Name	Select
RES-22635	17593 v6 - Apply safe work practices in the workplace L2 AVG	
RES-21457	19046 v4 - Service, repair and maintain primary industry machinery L3 VAG	
RES-23274	19138 v3 - Describe weather, climate and micro-climate characteristics, and interpret weather maps for a primary industry operation L2 AVG	
RES-22268	19931 v3 - Install and maintain grapevine trellis L3 VAG	
RES-22655	19936 v4 - Setup, operate, shut down and maintain vineyard equipment L3 AVG	
RES-24005	21045 v2 - Describe compost making, and make compost in organic horticulture L3 AVG	
RES-22234	21558 v3 - Describe calibration, and calibrate motorised agrichemical application equipment L4 VAG	
RES-22636	22175 v3 - Describe soil properties and their effect on plant growth L3 AVG	
RES-22645	22186 v3 - Prepare equipment, and harvest a horticulture crop by hand L3 AVG	
RES-22873	22189 v4 - Describe irrigation filters, and repair and maintain an irrigation system used in horticulture L3 AVG	
RES-22665	22193 v3 - Calculate fertiliser requirements, prepare and apply fertiliser, and maintain and store fertiliser equipment L3 AVG	
RES-22871	27207 v3 - Describe and carry out monitoring of plant pests and diseases L3 AVG	
RES-22639	27208 v3 - Identify and describe plant pests, diseases, and disorders, and methods of prevention and control L3 AVG	
RES-22641	27210 v2 - Identify and describe weeds, and methods of prevention and control L3 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-23232	28650 v3 (Hort) - Work in a team to achieve designated tasks in a primary industry operation L3 AVG	
RES-22659	28896 v2 - Maintain infrastructure in a primary industry workplace L3 AVG	
RES-22638	29239 v1 - Demonstrate knowledge of the New Zealand wine industry and New Zealand wines L3 AVG	
RES-22667	29240 v1 - Demonstrate knowledge of winemaking processes and procedures L3 AVG	
RES-23485	29513 v2 - Train and prune young vines L2 AVG	
RES-22647	29823 v2 - Carry out canopy maintenance of trees or vines L3 AVG	
RES-22649	29824 v2 - Carry out maturity testing of crop samples L3 AVG	
RES-22651	29825 v2 - Collect samples for crop maturity testing L3 AVG	
RES-23277	29827 v2 - Demonstrate knowledge of agrichemicals, and safety when using agrichemicals L3 AVG	
RES-22637	29829 v2 - Demonstrate knowledge of plant structure, functions and processes 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	

Level 4 - Learner Resource Order

- LR contains all Compulsory unit standards. Individual Elective unit standards must be selected from the Matrix to create the 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:		
Resource ID	Resource Name	Select
RES-23291	NZC Horticulture L4 – Wine Growing LR (Includes all Compulsory unit standards)	

Resource ID	Resource Name	Select
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

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

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-23292	NZC Horticulture L4 – Wine Growing AVR (Includes all Compulsory unit standards)	
RES-23108	1171 v10 - Supervise and provide instruction to staff working in a primary industry operation L4 AVG	
RES-23170	21956 - v2 Describe grapevine physiology, morphology and phenology AVG	
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-23158	29901 – v2 Monitor, record, and report on production goals in a horticulture workplace L4 AVG	
RES-23128	30257 v2 - Describe sustainable soil management practices for a horticulture site 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-23172	32902 - v1 Describe and monitor grapevine health, and implement control measures AVG	
RES-23306	32903 v1 - Demonstrate and apply knowledge of water conservation and use in a horticulture operation L4 AVG	
RES-23168	32904/32905 - v1 Combined resource Implement and monitor wine growing activities to achieve grape quality specifications and Monitor implementation and assess wine growing techniques AVG	