

New Zealand Apprenticeship in Horticulture (Outdoor Crop Production) (Level 4) (Complex)

2678 New Zealand Certificate in Horticulture (Level 3) Outdoor Crop Production

2676 New Zealand Certificate in Horticulture Production (Level 4) Outdoor Crop Production

Name		Employer	
Employee Number (if applicable)		Workplace/Site	
Enrolment Date		Duration	34 Months
Programme Title	PR-80763 - NZA - Horticulture (Outdoor Crop Production) (Level 4) (Complex) v3		
Training Plan		Activate Now	Order Resources Now
NZC – Horticulture (Level 3) Outdoor Crop Production (75 Credits)		☐	☐
NZC – Horticulture Production (Level 4) Outdoor Crop Production (130 Credits)		☐	☐

New Zealand Apprenticeship Requirements

You will be awarded this New Zealand Apprenticeship (NZA) once you have gained the required 205 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) Outdoor Crop 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

A maximum of 78 credits can be selected for this programme

2676 New Zealand Certificate in Horticulture Production (Level 4) Outdoor Crop Production

You will be awarded this qualification once you have gained 130 credits

All credits come from the compulsory unit standards

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 Outdoor Crop 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 rules in grey shading** to make unit standard selection meet programme completion rules.

US	Unit Title	Version	Level	Credits	Select US & Resource
Complete a minimum of 40 credits from the following unit standards (A maximum of 15 credits may be selected at Level 2)					
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	
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	
23355	Grade horticultural produce to pre-determined criteria	3	3	10	
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	
29500	Pack graded horticultural produce and report problems	2	2	5	
29824	Carry out maturity testing of crop samples	2	3	5	
29825	Collect samples for crop maturity testing	2	3	3	
29827	Demonstrate knowledge of agrichemicals, and safety when using agrichemicals	2	3	5	
29830	Describe quality assurance standards, food safety regulations, and product compliance for a horticulture crop	2	3	5	
29832	Describe workflow management in a horticulture operation	2	3	5	
29838	Plant and care for plants	3	3	5	
29839	Prepare, operate and maintain specialist nursery machinery	2	3	5	
29844	Stack and store produce in a coolstore or other storage facility, clean surroundings and document cleaning schedule	2	3	5	
Elective Total					

Credit Summary	Selected
Total Credits from Compulsory	35
(Max 43 credits) Total Credits from Elective/s	
(Max 78 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 L4 Outdoor Crop Production LR
21565	Describe and manage agrichemicals in accordance with NZS 8409:2021		4	4	10	
28852	Carry out a routine maintenance schedule for vehicles, plant, machinery and equipment in a primary industry workplace		2	4	10	
29883	Develop standard operating procedures for a horticulture workplace		2	4	10	
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	
29891	Demonstrate knowledge of environmental risk management and minimise negative environmental effects for horticulture	1	2	4	15	
29896	Implement and monitor outdoor crop production activities		2	4	15	
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	
32903	Demonstrate and apply knowledge of water conservation and use in a horticulture operation		1	4	5	
Total Qualification Credits					130	

Resource Order Information

Level 3 - Learner Resource Order

- LR contains all Compulsory unit standards. Individual Elective units 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-24015	NZC Horticulture L3 Outdoor Crop Production AVR (Includes all Compulsory unit standards)	
RES-23004	11097 v6 - Listen actively to gain information in an interactive situation L3 AVG	
RES-22635	17593 v6 - Apply safe work practices in the workplace L2 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-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-23375	23355 v3 - Grade horticultural produce to pre-determined criteria L3 AVG	
RES-23287	24615 v3 - Check and report on crop health and stages of development L2 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-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	

Resource ID	Resource Name	Select
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-23378	29500 v2 - Pack graded horticultural produce and report problems L2 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-23380	29830 v2 - Describe quality assurance standards, food safety regulations, and product compliance for a horticulture crop L3 AVG	
RES-23381	29832 v2 - Describe workflow management in a horticulture operation L3 AVG	
RES-23273	29838 v3 - Plant and care for plants L3 AVG	
RES-23631	29839 v2 - Prepare, operate and maintain specialist nursery machinery L3 AVG	
RES-23386	29844 v2 - Stack and store produce in a coolstore or other storage facility, clean surroundings and document cleaning schedule L3 AVG	

Level 4 - Learner Resource Order

- LR contains all Compulsory unit standards.

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

Level 4 – Assessor/Verifier Resource Order

- AVR contains Assessor Verifier Guides for all Compulsory unit standards.

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-23541	NZC Horticulture L4 Outdoor Crop Production AVR (Includes all Compulsory unit standards)	
RES-23108	01171 v10 - Supervise and provide instruction to staff working in a primary industry operation L4 AVG	
RES-23106	21565 v4 - Describe and manage agrichemicals in accordance with NZS 8409:2021 L4 AVG	
RES-23104	28852 v2 - Carry out a routine maintenance schedule for vehicles, plant, machinery and equipment in a primary industry workplace L4 AVG	
RES-23447	29883 v2 - Develop standard operating procedures for a horticulture workplace 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-23304	29891 v2 - Demonstrate knowledge of environmental risk management and minimise negative environmental effects for horticulture L4 AVG	
RES-23544	29896 v2 - Implement and monitor outdoor crop production activities L4 AVG	
RES-23177	29900 v2 - Implement and monitor plant management techniques in a production horticulture workplace to optimise production L4 AVG	
RES-23158	29901 v2 - Monitor, record, and report on production goals in a horticulture workplace L4 AVG	
RES-23306	32903 v1 - Demonstrate and apply knowledge of water conservation and use in a horticulture operation L4 AVG	