

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

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

2676 New Zealand Certificate Horticulture Production (Level 4) Nursery Production

Name		Employer	
Employee Number (if applicable)		Workplace/Site	
Enrolment Date		Duration	32 Months
Programme Title	PR-80762 - NZA - Horticulture Production (Nursery Production) (Level 4) (Complex) v4		
Training Plan		Activate Now	Order resources now
NZC – Horticulture (Level 3) Nursery Production (75 Credits)		☐	☐
NZC – Horticulture Production (Level 4) Nursery Production (125 Credits)		☐	☐

New Zealand Apprenticeship Requirements

You will be awarded this New Zealand Apprenticeship (NZA) once you have gained the required 200 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) Nursery 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 Horticulture Production (Level 4) Nursery Production

You will be awarded this qualification once you have gained 125 credits

88 credits come from the Compulsory Section

37 credits come from the Elective Section

A maximum of 137 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 Nursery 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
Complete a minimum of 40 credits from the following unit standards						
00829	Demonstrate knowledge of plant nomenclature	1	5	2	5	
20555	Describe, prepare and use soil-less growing media		5	3	5	
20557	Select, collect and treat seed, and produce seedlings for nursery crops		5	3	10	
20562	Prune and train nursery plants		5	3	5	
20573	Describe quality standards, and grade nursery crops		5	3	3	
22189	Describe irrigation filters, and repair and maintain an irrigation system used in horticulture		4	3	5	
21031	Identify annuals, herbaceous perennials, biennials and bulbs and their use	1	5	3	5	
24648	Describe the physical characteristics, and range of, woody stemmed plants and their use		3	3	10	
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	
27705	Describe, select, collect and prepare seeds for plant propagation purposes		2	3	8	
29832	Describe workflow management in a horticulture operation		2	3	5	
29834	Field graft and/or bud fruit trees or vines		2	3	5	
29835	Describe growing requirements, and maintain and monitor nursery crops to specifications		2	3	5	
29836	Pack and dispatch pre-graded nursery plant products and complete documentation		2	3	5	
29838	Plant and care for plants		3	3	5	
29839	Prepare, operate and maintain specialist nursery machinery		2	3	5	
29843	Select and prepare cutting material, and harden off rooted cuttings		2	3	10	
Agrichemical Application Tasks - A maximum of one unit standard may be selected at Level 2						
21560	Explain agrichemical use for primary sector applications		3	3	6	
21561	Use, maintain, and store agrichemical personal protective equipment		3	2	2	
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	
29827	Demonstrate knowledge of agrichemicals, and safety when using agrichemicals		2	3	5	
Elective Total					40	
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 Nursery 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	
29888	Demonstrate knowledge of nursery production		2	4	8	
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	
29895	Implement nursery crop production schedules and monitor nursery crops		2	4	10	
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					88	

Elective

37 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 27 credits from the following unit standards						
01676	Describe, identify, and select plants for landscape work		8	4	7	
03004	Describe the use of, and grow crops and specimens, in soil-less growing media in horticulture		5	4	5	
03008	Demonstrate knowledge of plant classification in horticulture	1	6	4	5	
21565	Describe and manage agrichemicals in accordance with NZS 8409:2021		4	4	10	
23704	Write and validate work instructions for a horticultural process		2	4	5	
28852	Carry out a routine maintenance schedule for vehicles, plant, machinery and equipment in a primary industry workplace		2	4	10	
29887	Demonstrate knowledge of greenhouse environmental control systems to maintain optimal conditions for plant growth		2	4	6	
29897	Implement and monitor pack and dispatch in a nursery production workplace		2	4	20	
29898	Implement plant propagation plans and monitor plant propagation		2	4	20	
29903	Supervise irrigation in a horticulture growing environment		2	4	6	
Select a minimum of 10 credits from the following unit standards						
21558	Describe calibration, and calibrate motorised agrichemical application equipment		3	4	5	

US	Unit Title	Tutorial Day/s	Version	Level	Credits	Select US & Resource
27217	Describe key features, principles and benefits of integrated pest management in the primary sector		2	3	5	
32903	Demonstrate and apply knowledge of water conservation and use in a horticulture operation		1	4	5	
Elective Total					37	
Credit Summary						Selected
Total Credits from Compulsory						88
(Min 37 credits) Total Credits from Elective/s						
(Max 137 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-23743	NZC Horticulture L3 Nursery AVR (Includes all Compulsory unit standards)	
RES-22312	00829 v5 - Demonstrate knowledge of plant nomenclature L2 AVG	
RES-23928	20555 v5 - Describe, prepare and use soil-less growing media L3 AVG	
RES-23739	20557 v5 - Select, collect and treat seed, and produce seedlings for nursery crops L3 AVG	
RES-23782	20562 v5 - Prune and train nursery plants L3 AVG	
RES-23783	20573 v5 - Describe quality standards, and grade nursery crops L3 AVG	
RES-23633	21031 v5 - Identify annuals, herbaceous perennials, biennials and bulbs and their use 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-22873	22189 v4 - Describe irrigation filters, and repair and maintain an irrigation system used in horticulture L3 AVG	
RES-23609	24648 v3 - Describe the physical characteristics, and range of, woody stemmed plants and their use L3 AVG	
RES-22871	27207 v3 - Describe and carry out monitoring of plant pests and diseases 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	
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-23784	27705 v2 - Describe, select, collect and prepare seeds for plant propagation purposes L3 AVG	
RES-23277	29827 v2 - Demonstrate knowledge of agrichemicals, and safety when using agrichemicals L3 AVG	
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-23740	29835 v2 - Describe growing requirements, and maintain and monitor nursery crops to specification L3 AVG	
RES-23785	29836 v2 - Pack and dispatch pre-graded nursery plant products and complete documentation 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-23741	29843 v2 - Select and prepare cutting material, and harden off rooted cuttings 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 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 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 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-23747	NZC Horticulture L4 Nursery AVR (Includes all Compulsory unit standards)	
RES-23210	01676 v8 - Describe, identify, and select plants for landscape work L4 AVG	
RES-23520	03004 v5 - Describe the use of, and grow crops and specimens, in soil-less growing media in horticulture L4 AVG	
RES-23122	03008 v6 - Demonstrate knowledge of plant classification in horticulture L4 AVG	
RES-22234	21558 v3 - Describe calibration, and calibrate motorised agrichemical application equipment L4 VAG	
RES-23106	21565 v4 - Describe and manage agrichemicals in accordance with NZS 8409:2021 L4 AVG	
RES-23745	23704 v2 - Write and validate work instructions for a horticultural process L4 AVG	
RES-23275	27217 v2 - Describe key features, principles and benefits of integrated pest management in the primary sector L3 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-23300	29887 v2 - Demonstrate knowledge of greenhouse environmental control systems to maintain optimal conditions for plant growth L4 AVG	
RES-23183	29897 v2 - Implement and monitor pack and dispatch in a nursery production workplace L4 AVG	
RES-23521	29898 v2 - Implement plant propagation plans and monitor plant propagation L4 AVG	
RES-23185	29903 v2 - Supervise irrigation in a horticulture growing environment L4 AVG	
RES-23306	32903 v1 - Demonstrate and apply knowledge of water conservation and use in a horticulture operation L4 AVG	