

PR-40752 - New Zealand Apprenticeship in Fruit Production

Conjoint qualification programme:

- New Zealand Certificate in Horticulture (Level 3) - Fruit Production, and
- New Zealand Certificate in Horticulture Production (Level 4) – Fruit Production

Trainee Name: _____

Employer: _____

Date: _____

TOTAL QUALIFICATION CREDITS - 167

Year 1 – Level 3 Programme Requirements: Total credits 77

All units must be completed in the Compulsory section and at least 65 credits from the Elective sections. The unit standards in the shaded (grey) rows are delivered by a training provider.

At the completion of Level 3 the trainee will receive a New Zealand Certificate in Horticulture (Level 3) – Fruit Production.

Please Note: As per EPA Hazardous Substances (Hazardous Property Controls) Notice September 2017, Clauses 60(5), 61(5) and Table 2 - Clause 64, all persons (other than contractors) applying Class 9 Pesticides must be Growsafe Certified or complete Unit Standard 21563.

YEAR 1 - COMPULSORY					
Work as an effective member of a team including communication and interaction with team members and colleagues - 12 credits					
Unit Standard	Level	Credits	Unit Standard Title	Tutorial Day/s	Selections
9681	3	3	Contribute within a team or group which has an objective	1	✓
11097	3	3	Listen actively to gain information in an interactive situation		✓
9680	3	3	Communicate within a specified organisational context		✓
10791	2	3	Participate in an informal meeting		✓

YEAR 1 - ELECTIVES					
Carry out routine seasonal fruit production tasks - 65 credits					
Unit Standard	Level	Credits	Unit Standard Title	Tutorial Day/s	Selections
1 Carry out routine seasonal fruit production tasks - 20 credits					
30073	3	5	Carry out manual thinning of tree or vine crops to optimise crop loading		
29823	3	5	Carry out canopy maintenance of trees or vines		

YEAR 1 – ELECTIVES CONTINUED					
Unit Standard	Level	Credits	Unit Standard Title	Tutorial Day/s	Selections
Select a minimum of 5 credits from the following:					
29834	3	5	Field graft and/or bud fruit trees or vines		
29822	3	2	Artificially pollinate tree or vine crops		
29838	3	5	Plant and care for plants		
22193	3	5	Fertilise a selected horticulture area		
Select one of the following:					
831	3	5	Train and prune young and mature vine crops		
832	3	5	Prune and tie up brambles		
830	3	5	Train and prune fruit trees		
2 Use orchard machinery for routine production tasks - Select at least 5 credits from the following:					
21218	3	5	Operate & maintain powered orchard machinery		
24552	2	5	Check and drive a basic wheel tractor with an attached implement on flat terrain	2	
19044	2	3	Demonstrate knowledge of the legal requirements and hazards associated with tractor use		
24539	3	4	Maintain and use a power take off (PTO) driven implement attached to a tractor		
24553	2	4	Drive a light utility vehicle (LUV) on flat terrain	2	
24556	2	3	Demonstrate understanding of the safe operation of a light utility vehicle		
24554	2	4	Ride a quad bike on flat terrain in the workplace	2	
24557	2	3	Demonstrate understanding of the safe operation of a quad bike		
3 Carry out routine crop harvesting - 5 credits. Select one of the following:					
22186	3	5	Prepare and harvest a horticulture crop by hand		
29845	3	6	Support mechanical crop harvesting		
4 Demonstrate understanding of factors influencing plant growing cycles and basic soil science - 11 credits					
22175	3	6	Demonstrate understanding of soil properties and their effect on plant growth	1	✓
29829	3	5	Demonstrate understanding of plant structure, functions and processes	1	✓
5 Carry out routine maintenance tasks - 5 credits					
28896	3	5	Maintain infrastructure in a primary industry workplace		✓
6 Identify and report signs of weeds, plant pests, diseases, and disorders - 14 credits					
27208	3	8	Identify and describe plant pests, diseases, disorders and methods of prevention and control	1	✓
27210	3	6	Identify and describe weeds, and methods of prevention and control	1	✓

YEAR 1 – ELECTIVES CONTINUED					
Unit Standard	Level	Credits	Unit Standard Title	Tutorial Day/s	Selections
7 Control weeds, plant pests and diseases Select a minimum of 5 credits from the following:					
27213	2	5	Identify and interpret agrichemical product information and demonstrate knowledge of safety with agrichemicals		
21560	3	6	Demonstrate knowledge of agrichemicals		
27215	2	5	Prepare to apply, and apply agrichemicals using hand held equipment		
27216	3	4	Prepare to apply, and apply agrichemicals using motorised equipment		
27217	3	5	Demonstrate knowledge of integrated pest management (IPM)		
21561	2	2	Use, maintain and store agrichemicals personal protective equipment (PPE)		
21563	3	5	Demonstrate knowledge of the HSNO Act, and NZS 8409:2004 for the use of agrichemicals	Growsafe day*	
Year 1 - Credits:			Year 1 - Tutorial Days:		

* Growsafe Day see note on page 1.

Year 2 & 3 – Level 4 Programme Requirements: Total credits 90

All units must be completed in the Compulsory section and all 81 credits from the strand specific section. The unit standards in the shaded (grey) rows are delivered by a training provider.

At the completion of Level 4 the trainee will receive a New Zealand Certificate in Horticulture Production (Level 4) – Fruit Production.

YEAR 2 & 3 - COMPULSORY					
Supervise and provide instruction to team members using a range of effective communication and interpersonal skills relevant to a horticulture sector - 9 credits					
Unit Standard	Level	Credits	Unit Standard Title	Tutorial Day/s	Selections
21335	4	5	Lead a team to achieve an objective	1	√
9704	4	4	Manage interpersonal conflict		√

YEAR 2 & 3 - ELECTIVES					
Fruit Production - 81 credits					
Unit Standard	Level	Credits	Unit Standard Title	Tutorial Day/s	Selections
Implement and monitor fruit production operations to achieve production goals and standards - 40 credits					
1 Demonstrate understanding of quality standards, and regulatory requirements for a fruit crop - 6 credits					
29886	4	6	Demonstrate understanding of quality standards, and regulatory requirements for a horticulture crop	1	√

YEAR 2 & 3 – ELECTIVES CONTINUED					
Unit Standard	Level	Credits	Unit Standard Title	Tutorial Day/s	Selections
2 Monitor, record and report on production goals in a fruit production workplace - 4 credits					
29901	4	4	<i>Monitor, record, and report on production goals in a horticulture workplace</i>		√
3 Implement and monitor fruit crop production activities - 21 credits					
29893	4	21	<i>Implement and monitor fruit crop production activities</i>		√
4 Implement and monitor a fruit crop harvest plan - 10 credits					
29889	4	10	<i>Implement and monitor a crop harvest plan in a horticulture workplace</i>		√
5 Implement and monitor a fruit crop protection operation to meet production goals and standards – 25 Credits					
29890	4	25	<i>Implement and monitor a horticulture crop protection plan</i>		√
6 Implement and monitor fruit crop management techniques to optimise fruit production - 15 credits					
29885	4	5	<i>Demonstrate understanding of plant biology in a production horticulture context</i>	1	√
29900	4	10	<i>Implement and monitor plant management techniques to optimise production</i>		√
Year 2 & 3 - Credits:		90	Year 2 & 3 - Tutorial Days:		3
TOTAL CREDITS – YEAR 1 + YEAR 2 & 3			TOTAL TUTORIAL DAYS – YEAR 1 + YEAR 2 & 3		

At the completion of level 3 and level 4 the trainee will receive a New Zealand Apprenticeship in Fruit Production certificate.