

PR-40757 - New Zealand Apprenticeship in Horticulture – Post-Harvest Conjoint qualification programme:

- New Zealand Certificate in Horticulture (Level 3) - Post-Harvest, and
- New Zealand Certificate in Horticulture Production (Level 4) - Post-Harvest

Trainee Name: _____

Employer: _____

Date: _____

TOTAL QUALIFICATION CREDITS - 204

Year 1 – Level 3 Programme Requirements: Total credits 72

All units must be completed in the Compulsory section and at least 60 credits from the Elective sections. The unit standards in the shaded (grey) rows are delivered by a training provider.

Note: To complete the Post-Harvest qualification trainees **must choose one elective context:**

- Quality Control; or
- Coolstore Operator and Coordinator of Inwards Goods; or
- Laboratory Technician.

At the completion of Level 3 the trainee will receive a New Zealand Certificate in Horticulture (Level 3) – Post Harvest

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 - 60 credits					
Unit Standard	Level	Credits	Unit Standard Title	Tutorial Day/s	Selections
ALL TRAINEES MUST COMPLETE					

YEAR 1 – ELECTIVES - continued					
Unit Standard	Level	Credits	Unit Standard Title	Tutorial Day/s	Selections
Carry out operational tasks within post-harvest production systems - 40 credits					
1 Grade and pack product to predetermined criteria - 20 credits					
Select a minimum of 20 credits from the following:					
23355	3	10	Grade horticultural produce to pre-determined criteria		
29833	3	10	Grade produce to pre-determined criteria using a computerised system		
29500	2	5	Pack graded horticultural produce and close containers under close supervision		
23359	2	5	Maintain hygiene to ensure food safety in a horticulture workplace		
2 Clean down post-harvest equipment and make ready for changeovers - 5 credits					
29494	2	5	Clean down post-harvest equipment ready for changeovers under close supervision		✓
TRAINEES MUST CHOOSE ONE OF THE FOLLOWING CONTEXTS TO COMPLETE					
Either - Quality Controller context:					
3. Carry out quality control - 15 credits					
29821	3	8	Apply and monitor quality control procedures and input data in a post-harvest operation		✓
29830	3	5	Demonstrate understanding of quality assurance standards, food safety regulations, and product compliance for a crop	1	✓
29841	3	5	Recognise plant pests, diseases and disorders of a horticulture crop		✓
OR - Coolstore Operators and Coordination of Inwards Goods context:					
3. Carry out operations in a cool store or other storage facility and inwards goods coordination - 15 credits					
29844	3	5	Stack and store produce in a coolstore or other storage facility		✓
10851	3	7	Operate a powered industrial lift truck (forklift)	1	✓
29828	3	5	Demonstrate understanding of horticulture product storage life and post-harvest treatments	1	✓
OR - Laboratory Technician context:					
3. Carry out maturity testing of crop samples- 15 credits					
29824	3	5	Carry out maturity testing of crop samples		✓
29830	3	5	Demonstrate understanding of quality assurance standards, food safety regulations, and product compliance for a crop	1	✓
Select a minimum of 5 credits from the following:					
29825	3	5	Collect samples for crop maturity testing		
27207	3	5	Describe and carry out monitoring of plant pests and diseases		
29841	3	5	Recognise plant pests, diseases and disorders of a horticulture crop		

Unit Standard	Level	Credits	Unit Standard Title	Tutorial Day/s	Selections
ALL TRAINEES MUST COMPLETE:					
4. Coordinate the availability of consumables from inventory for continuous post-harvest grading and packing -- 20 credits					
Select a minimum of 20 credits from the following:					
29842	3	5	Select and prepare consumables for continuous post-harvest packing, and update inventory		
29832	3	5	Demonstrate understanding of workflow management in a horticulture operation		
29837	3	5	Palletise produce and complete documentation		
21504	3	5	Apply quick changeover procedures in an organisation using competitive systems and practices		
21503	3	5	Manage the impact of change on own work in an organisation using competitive systems and practices		
Year 1 Credits:			Year 1 Tutorial Days:		

Year 2 & 3 – Level 4 Programme Requirements: Total credits 91

Note: To complete the Post-Harvest level 4 content the trainees **must include 15 credits appropriate to trainee's workplace role.**

All units must be completed in the Compulsory section and 82 credits from the Elective sections. 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) – Post Harvest.

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	Selection
21335	4	5	Lead a team to achieve an objective	1	√
9704	4	4	Manage interpersonal conflict		√

YEAR 2 & 3 – ELECTIVES - 82 credits					
Unit Standard	Level	Credits	Unit Standard Title	Tutorial Day/s	Selections
Implement and monitor post-harvest operations to achieve production goals - 40 credits					
1 Demonstrate understanding of operations and continuous improvement in a post-harvest workplace - 6 credits					
29884	4	6	Demonstrate understanding of operations and continuous improvement in a post-harvest workplace		√

YEAR 2 & 3 – ELECTIVES continued					
Unit Standard	Level	Credits	Unit Standard Title	Tutorial Day/s	Selections
2 Demonstrate understanding of horticulture product storage life and post-harvest treatments – 5 credits					
29828	3	5	<i>Demonstrate understanding of horticulture product storage life and post-harvest treatments</i>	1	✓
3 Implement and monitor post-harvest tasks -21 credits					
29899	4	21	<i>Implement and monitor post-harvest activities</i>		✓
4 Implement and monitor the operation of post-harvest equipment - 10 credits					
29902	4	10	<i>Implement and monitor the operation of post-harvest equipment</i>		✓
Implement and monitor standards to achieve production goals - 40 credits					
5 Demonstrate understanding of quality standards and regulatory requirements for a horticulture crop - 6 credits					
29886	4	6	<i>Demonstrate understanding of quality standards, and regulatory requirements for a horticulture crop</i>	1	✓
6 Demonstrate understanding of goals in a post-harvest workplace - 4 credits					
29901	4	4	<i>Monitor, record, and report on production goals in a horticulture workplace</i>		✓
7 Implement and monitor food safety procedures in a post-harvest operation - 15 credits					
29892	4	15	<i>Implement and monitor food safety procedures in a horticultural operation</i>		✓
8 Select 15 credits from below appropriate to the trainee's workplace role:					
EITHER					
Assist with developing standard operating procedures for a horticultural workplace - 10 credits					
29883	4	10	<i>Assist with developing standard operating procedures for a horticulture workplace</i>		
OR					
Monitor the implementation of health and safety practices in a post-harvest operation - 5 credits					
28645	4	5	<i>Monitor the implementation of health and safety practices in a primary products food processing operation</i>		
OR					
Participate in a quality audit in a post-harvest operation - 10 credits					
28622	4	10	<i>Participate in a quality audit in a primary products food processing operation</i>		
Year 2 & 3 Credits:		Year 2 & 3 Tutorial Days:			
TOTAL CREDITS – YEAR 1 + YEAR 2 & 3		TOTAL TUTORIAL DAYS – YEAR 1 + YEAR 2 & 3			

At the completion of both level 3 and 4 the trainee will receive a New Zealand Apprenticeship in Post-Harvest certificate.