

# PLANT PRODUCTION

## Grow the plants that grow New Zealand

### School leavers, career changers and employees

#### PRIMARY INDUSTRY TRAINING ORGANISATION (PITO)

Industry training organisations offer on-job training through apprenticeship and trainee programmes. Employees can earn while they learn and complete NZQA National Certificate and Diplomas in levels 2 to 6, which for part of PITO apprenticeship and trainee programmes.

#### TE PUKENGA AND PRIVATE TRAINING ESTABLISHMENTS (PTES)

Te Pukenga and PTEs provide NZQA specialised practical or theoretical knowledge in plant production at levels 1 to 6 online, on-campus and in the workplace.

#### UNIVERSITY

University studies in plant production are available at Lincoln University and Massey University. You can complete a degree, diploma, graduate certificate, or masters.

## Upskilling

On-going learning is an essential career practice in the plant production industry. It is also vital to your current employers' preparedness in response to changing markets, competition, and technology.

#### ONLINE LEARNING

Online courses give learners control over the scheduling and pace of training. They offer convenient access from home, work, or office. Learners tailor learning programmes by choosing the courses they need.

#### WORKSHOPS

Workshops, seminars, and forums offer the opportunities to develop new professional relationships increase expertise in your field and bring new thinking into the workplace.

#### SHORT COURSES

Short courses can be completed in one day to a month or so. They are standalone courses that don't require other courses to complete the qualification. Short courses teach a specific set of knowledge without enrolling in a long degree, diploma, or certificate that covers a range of information.



# Learning Pathways

Poipoia te kākano kia puāwai – Nurture the seed and it will blossom

## SHORT COURSES

### BEGINNER

#### Florida University online courses

- Greenhouse 101
- Nutrient Management 1

#### Growsafe

- The Growsafe Basic certificate

#### Business Central

- Time Management Webinar
- Communicating with confidence
- Stage 1 Health & Safety Representatives

### INTERMEDIATE

#### Florida University online courses

- Disease Management
- Weed Management
- Hydroponic Vegetable Production

#### Growsafe

- The Growsafe Standard certificate

#### Business Central

- Introduction to Leading & Managing Others
- Stage 2 Health & Safety Representatives
- Team Leader Toolbox: Facilitating Your Team

### ADVANCED

#### Florida University online courses

- Costing and profitability
- Nutrient Management 2
- Water Quality & Treatment

#### Growsafe

- Growsafe Theory Certificate
- Growsafe Advanced Certificate
- Registered Chemical Applicator (RCA) certificate

#### PrimaryITO

- Train the trainer (short course)

#### Business Central

- Stage 3 Health & Safety Representatives
- Conducting disciplinary Meetings
- Growing my Leadership & Management Expertise

### GATEWAY PROGRAMME

Open to year 11 and 13 students to gain NCEA credits in NZ Certificate in Primary Industry Skills (horticulture) level 2 and NZ Certificate in Horticulture Level 1 and 2.

### TRADES ACADEMY PROGRAMME

Open to secondary school students and school leavers to gain practical experience and NZQA pre-trade qualifications in NZ Certificate in Primary Industry Skills (Horticulture) level 2 and NZ certificate in Horticulture Level 3.

### CERTIFICATE LEVEL 1

- NZ Certificate in Horticulture

### MASTERS

- Master of Horticulture Science
- Master of Water resource management
- Master of Science
- Master of Natural Resources Management and Ecological Engineering
- Master of Management in Agribusiness

### DEGREES

- Bachelor of Horticultural Science
- Bachelor of Agribusiness & food marketing
- Bachelor of Commerce (Horticulture)
- Bachelor of Agribusiness
- Bachelor of Science (plant science)
- Bachelor of Engineering (Mechatronics)
- Bachelor of Science Conservation and Ecology in Plant Science

### DIPLOMAS

- NZ Diploma in Horticulture
- NZ Diploma in Horticulture Production (Nursery Production)
- NZ Diploma in Agribusiness Management
- NZ Diploma in Environmental Management
- Diploma in Applied Science
- Diploma in Horticulture
- Diploma in Horticulture Agribusiness
- Diploma in Horticulture Business
- Diploma in Horticulture Management
- Diploma in Natural Resources
- Diploma in Organic Agri-Food Production
- Diploma in Horticulture Production
- Diploma in Science and Technology
- Post Graduate Diploma in Horticulture Science
- Graduate Certificate in Science and Technology
- Graduate Diploma in Logistics and Supply Chain Management

### CERTIFICATE LEVEL 5

- NZ Certificate in Science & Technology

### CERTIFICATE LEVEL 4

- NZ Certificate in Horticulture Production (Nursery production)
- NZ Certificate in Organic Primary Production
- NZ Certificate in Pest Operations
- NZ Certificate in Sustainable Primary Production
- NZ Certificate in Agrichemical Application
- NZ Certificate in Irrigation System Management
- NZ Certificate in Tikanga

### CERTIFICATE LEVEL 3

- Introduction to Applied horticulture
- NZ Certificate in Horticulture
- NZ Certificate in Land Based Sustainability Practices
- NZ Certificate in Organic Primary Production

### CERTIFICATE LEVEL 2

- NZ Certificate in Horticulture
- NZ Certificate in Primary Industry Skills (Horticulture)