



## Resource Books

### Book 1: New Zealand Irrigation Overview

This book is the first of a series providing a comprehensive training resource for irrigation industry participants in New Zealand. It introduces location, use and significance of irrigation to New Zealand, the types of irrigation systems in use and the common components of them.

### Book 2: Irrigation Glossary

This is a comprehensive catalogue of the common terminology, acronyms, conversions, and other useful information used in the irrigation industry.

### Book 3: Irrigation Legislation, Regulation and Sustainability

This covers the key legislation and regulations that impact upon irrigators in New Zealand and also gives an overview of main sustainability issues and opportunities facing the industry.

### Book 4: Irrigation Essentials

This covers the background resource information needed to successfully design, install and manage irrigation. It includes soil water properties, climate and weather, and the crop being grown.

### Book 5: Irrigation Management

This covers all the management aspects necessary to manage irrigation system once designed and built.

### Book 6: Irrigation Development

This covers the information required and the process to follow to develop an irrigation system.

### Book 7: Drip Irrigation for Vegetable Production

This book introduces drip irrigation as a viable option for vegetable production, giving an overview, descriptions of technologies and an outline of the concepts for successful drip irrigation.

### Book 8: Irrigation on Hills

This book looks at the specific issues and challenges facing irrigation on hills and suggests management techniques and tools to improve design and management of irrigation systems.

### Book 9: Precision Irrigation

Get the information you need to make the right decision when considering adopting precision irrigation technologies.

### Book 10: Hydraulics and Pumping

This book provides an overview of hydraulic and pumping considerations for irrigation.

### Book 11: Soil Moisture Monitoring

A comprehensive resource for soil moisture monitoring in New Zealand.

## Checklists, Guides, Apps and Manuals

- **Irrigation Design Brief Checklist**
- **Design Report Checklist**
- **Operations & Maintenance Manual**
- **Standard Irrigation Contract**
- **Guide to Commissioning a Piped Irrigation System**
- **Compliance Checklist**
- **Water Supply Checklist**
- **Pre-season Checklists** – checks made before the irrigation season starts for specific irrigation systems:
  - Pivot and Linear
  - Drip-Micro
  - Travelling Irrigators (Booms and Guns)
  - Long and Spraylines
- **Check It Bucket Test App** – launching October 2016



## IrrigationNZ Workshops, Training and Qualifications

### Farmers/Irrigators

#### Workshops

Two-hour topic specific workshops and resources.

- Soil Moisture Monitoring
- Irrigation Scheduling
- Operations and Maintenance
- Irrigator System Performance Assessment

#### Training

##### Irrigation Operator and Manager Training

A one day training course and resources aimed at irrigation managers and operators of irrigation systems to improve their knowledge of irrigation application on their properties.

##### Irrigation Development Training

A one day training course and resources aimed at farmers undertaking irrigation development of their properties.

#### Qualifications

##### New Zealand Certificate in Irrigation Management

Gain the knowledge and skills to step up and become a key decision maker overseeing sustainable irrigation.  
This is a Level 4 NZQA certificate.



### Industry

#### Workshops

##### Master Classes

- Soil Moisture Monitoring
- Water Measurement

#### Training

##### Irrigation Fundamentals

A one or two day course targeting new entrants to the industry and frontline staff of businesses and organisations that provide services to the irrigation industry.  
The course content and length is adapted to suit the degree of knowledge required.

#### Qualifications

##### New Zealand Certificate in Irrigation Performance Assessment

Gain the skills and knowledge to carry out assessment of irrigation systems in order to determine how efficiently they are operating. This is a Level 4 NZQA certificate.

##### New Zealand Certificate in Irrigation System Design

Acquire the specialist skills required to design technically efficient and environmentally sustainable irrigation systems.  
This is a Level 5 NZQA certificate.

For further information visit: [www.irrigationnz.co.nz/eventsandtraining](http://www.irrigationnz.co.nz/eventsandtraining)