

Irrigation Fundamentals

Timing	Training module	Content to be covered
Day 1 9am	INZ – What we do	Overview of Irrigation NZ and what we do
	Why we irrigate / challenges ahead	Future challenges for the irrigation industry and irrigators
10.00-10.15am	Morning Tea	
10.15am	Soils, crop, climate and irrigation system requirements	What are the soil, crop and climate characteristics that are important to irrigation? How do you determine irrigation system requirements?
12.00-12.45	Lunch	
12.45pm	System types and efficiency	Different system pros and cons Water supply system (pipes, pumps, starters, valves) Measurement and monitoring
	System design	Preparing a design brief Flow and pressure – implications for energy use and water delivery Capex versus Opex Commissioning an irrigation system
2.45-3.00	Afternoon tea	
3-4.30pm	Specialist systems –	VRI and Fertigation
	Decision support tools	Soil Moisture Monitoring and Water Budgets
	Q & A Wrap up	