

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 | |