



**Australian Government**

# **Assessment Requirements for AHCIRG327 Implement an irrigation schedule**

**Release: 1**

# Assessment Requirements for AHCIRG327 Implement an irrigation schedule

## Modification History

Release Number	TP Version	Comments
1	AHCv1.0	Initial release

## Performance Evidence

The candidate must be assessed on their ability to integrate and apply the performance requirements of this unit in a workplace setting. Performance must be demonstrated consistently over time and in a suitable range of contexts.

The candidate must provide evidence that they can:

- access and interpret the information in an irrigation schedule
- apply sampling techniques
- compare plant health and growth to benchmark requirements
- conduct soil moisture tests
- consult with appropriate senior personnel or consultants
- identify irrigation requirements throughout the growing season by monitoring:
  - climatic conditions
  - crop stage and requirements if applicable
  - effective root depth
  - frost risk
  - plant varietal characteristics and requirements
  - signs of plant nutrient deficiencies
  - soil moisture levels
  - soil type and depth
  - symptoms of water stress
  - water quality
  - water table level
- identify, rectify and report environmental non-compliance
- instruct irrigation system operators
- implement the irrigation schedule including consideration of:
  - application rates
  - interaction between different irrigation employees or shifts
  - maintenance programs and supplies
  - materials, chemicals, services

- resources, including operators with appropriate skills
- timing and length
- liaise with other work areas
- monitor irrigation activities including:
  - environmental impact of irrigation activities
  - identifying emitter output consistency
  - identifying soil moisture content and depth to which water will reach
- report and record problems and corrective action taken
- take corrective action in response to out-of-specification results or non-compliance

## Knowledge Evidence

The candidate must demonstrate knowledge of:

- consultation requirements and procedures
- effect of irrigation techniques on plant growth
- environmental impacts, hazards and controls for irrigation
- interpretation of routine soil moisture tests
- irrigation strategies
- principles of soil moisture monitoring including volumetric soil moisture content, percentage compared to soil moisture tension
- procedures and responsibility for reporting problems
- recording requirements and procedures
- resource requirements and availability
- sampling techniques and procedures
- testing techniques and procedures
- visual symptoms of plant nutrient deficiencies, water stress and frost
- water budgeting tools
- workplace hazards and controls

## Assessment Conditions

Assessors must satisfy current standards for RTOs.

## Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72>