



Australian Government

Assessment Requirements for AHCIRG308 Monitor soils under irrigation

Release: 1

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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.

The candidate must provide evidence that they can:

- adjust watering practices to meet plant needs
- apply the results of soil testing to assessing soil properties
- assess the erosion potential of an irrigated soil
- assess the health of an irrigated soil
- calculate moisture holding capacity of plants, including RAW
- conduct soil structure and texture assessment
- use soil moisture monitoring equipment

Knowledge Evidence

The candidate must demonstrate knowledge of:

- adverse environmental impacts of irrigated plant production
- calculations for readily available water
- critical measures for moisture availability
- effect of dispersible soils under irrigation
- field capacity
- interpreting salinity, sodicity and pH tests
- signs moisture stress & nutrient deficiency in plants
- soil biology
- soil moisture definitions and calculations
- soil moisture monitoring procedures
- soil structure and texture
- types of erosion
- wilting point

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>