



Australian Government

Assessment Requirements for FBPVIT2019

Operate the irrigation system

Release: 1

Assessment Requirements for FBP VIT2019 Operate the irrigation system

Modification History

Release	Comments
Release 1	This version released with FBP Food, Beverage and Pharmaceutical Training Package Version 2.0.

Performance Evidence

An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit. There must be evidence that the individual has effectively operated the irrigation system on at least one occasion, including:

- using appropriate personal protective clothing and equipment
- setting equipment correctly to achieve specified irrigation time, application rate and pressure
- monitoring irrigation process control points and equipment
- taking corrective action in response to out-of-specification activity
- recording performance and maintenance information accurately.

Knowledge Evidence

An individual must be able to demonstrate the knowledge required to perform the tasks outlined in the elements and performance criteria of this unit. This includes knowledge of:

- basic plant physiology in relation to the irrigation system, including:
 - transpiration
 - water intake
 - nutrient uptake
 - respiration
 - translocation
- different types of irrigation systems and the advantages and disadvantages of each
- components of irrigation equipment and the function of each, including:
 - drippers
 - pipelines
 - sprinklers
 - filters
 - microjets

- pumps
- furrows
- valves
- motors
- timers
- windmills
- types of maintenance and repairs that need to be undertaken, including issues with:
 - breakages
 - leaks
 - blocks
 - replacing drippers
 - making joins
 - filters and turbo keys
 - monitoring devices
 - priming pumps and motors
- routine cleaning and maintenance requirements and procedures for the system
- information technology systems where relevant
- environmentally sound methods to treat and dispose of waste
- organisational recording and reporting requirements.

Assessment Conditions

Assessment of skills must take place under the following conditions:

- physical conditions:
 - a workplace or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - irrigation equipment
 - irrigation site
- specifications:
 - work instructions and maintenance schedules.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.

Links

Companion Volume Implementation Guides are found in VETNet: -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=78b15323-cd38-483e-aad7-1159b570a5c4>