



**Australian Government**

**Assessment Requirements for AHCAGB510  
Implement the introduction of  
biotechnology into the production system**

**Release: 1**

# Assessment Requirements for AHCAGB510 Implement the introduction of biotechnology into the production system

## Modification History

| Release | TP Version | Comment         |
|---------|------------|-----------------|
| 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:

- research implications of introducing bio-technology for business
- identify applications for business and production systems
- develop and implement plans for production systems and risk management strategies
- recognise potential opportunities of introducing bio-technology (business and production)
- assess and adopt profitable innovations from the use of bio-technology products
- interpret, analyse and extract information from a range of sources such as professional literature, legal documents, discussions and workshops
- undertake cost benefit analysis in relation to the introduction of bio-technology
- communicate with industry contacts, colleagues and family regarding the land/farm based business
- design risk management strategies including installing a Total Quality Management System (TQMS)
- conduct a risk management audit before and after the introduction of bio-technology products
- complete and maintain appropriate quality assurance documentation for a TQMS.

## Knowledge Evidence

The candidate must demonstrate knowledge of:

- benefits and risks of introducing biotechnology into a production system
- principles of sustainability
- relevant State/Territory legislation, regulations and codes of practice with regards to work health and safety, use and control of hazardous substances and biotechnology in production systems
- financial cost analysis tools and techniques

- methods of risk assessment audits for the production system
- implementing, monitoring and maintenance of a Total Quality Management System (TQMS)
- stewardship to fellow farmers and community when using bio-technology in a production system.

## Assessment Conditions

Competency is to be assessed in the workplace or simulated environment that accurately reflects performance in a real workplace setting.

Assessors must satisfy current standards for RTOs.

## Links

Companion Volume implementation guides are found in VETNet -

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