



Australian Government

AHCAGB521 Select and use agricultural technology

Release: 1

AHCAGB521 Select and use agricultural technology

Modification History

Release	Comments
Release 1	This version released with AHC Agriculture, Horticulture, Conservation and Land Management Training Package Version 4.0.

Application

This unit of competency describes the skills and knowledge required to select and apply modern agricultural technology in production systems. It covers the recording and reporting of farm activities, mapping, farm and production planning, data collection and analysis.

Applications in agricultural science range from spatial information tools to the precision application of production inputs and growth models for the improvement of production.

This unit is applicable for land managers or advisors who have a role in managing or operating a land based production business or providing expert advice.

All work must be carried out to comply with workplace procedures, work health and safety legislation and codes, and sustainability practices.

No licensing, legislative, regulatory or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

Nil

Unit Sector

Agribusiness (AGB)

Elements and Performance Criteria

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Evaluate need for agricultural technology	1.1 Identify and evaluate organisational tasks and processes that could be supported by technological applications 1.2 Assess opportunities and limitations for operational improvements

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	that may result from adopting specific technological applications 1.3 Evaluate equipment, tools and resource requirements and select most appropriate options 1.4 Evaluate cost-benefit of using technology 1.5 Seek independent technical advice and sources of information as required 1.6 Develop plan to incorporate use of technology to improve operational efficiency, productivity and sustainability
2. Implement technology to manage production	2.1 Record, analyse and manage production data using technology 2.2 Develop treatment strategies or input requirements using technology 2.3 Collect, store and analyse data across land based business using technology 2.4 Research information resources, report and communicate production management using technology 2.5 Integrate use of technology to improve operational efficiency, production, profitability and sustainability
3. Evaluate use of technology	3.1 Develop and review strategies to ensure use of technology is cost effective and consistent with operational goals 3.2 Assess need for additional training and support 3.3 Develop strategies to address barriers to effective use of technology when necessary 3.4 Evaluate impact of technology use on production levels, input costs and cash flow budget 3.5 Develop strategies for monitoring, evaluating and incorporating future developments in technology

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential for performance in this unit of competency but are not explicit in the performance criteria.

Skill	Description
Get the work done	• Problem solve issues as they arise

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
AHCAGB521 Select and use agricultural technology	AHCAGB507 Select and use agricultural technology	Performance criteria clarified Foundation skills added Assessment requirements updated	Equivalent unit

Links

Companion Volumes, including Implementation Guides, are available at VETNet: -
<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72>