



**Australian Government**

# **AHC40110 Certificate IV in Agriculture**

**Release 5**

## AHC40110 Certificate IV in Agriculture

### Modification History

Release	TP Version	Comments
5	AHC10v8	Moved <i>AHCCHM401A Minimise risks in the use of chemicals</i> , <i>AHCMOM402A Supervise maintenance of property machinery and equipment</i> and <i>AHCPMG408A Assess and monitor weed, pest and/or disease control programs</i> from elective group B to elective group A.
4	AHC10v7	Replaced superseded elective <i>AHCLSK403A Escort livestock during export</i> with new unit <i>AHCLSK418A Escort livestock during export</i>
3	AHC10v4	Equivalent imported units updated Replaced <i>AHCIRG403A Determine seasonal irrigation scheduling tasks</i> with <i>AHCIRG408A Schedule irrigations</i> - units have equivalent outcome
2	AHC10v3	Corrected unit <i>AHCPMG408A</i> name in unit grid
1	AHC10	Initial release

### Description

This qualification allows individuals to develop post-trade skills and knowledge to become specialists within the agriculture industry. It is designed to meet the needs of supervisors or team leaders in the agriculture industry.

## **Pathways Information**

### **Qualification pathways**

#### **Pathways into the qualification**

This qualification may be accessed by direct entry.

#### **Pathways from the qualification**

Further training pathways from this qualification include, but are not limited to, Diploma of Agriculture.

#### **Australian Apprenticeships**

This qualification is suitable for an Australian Apprenticeship.

#### **Job roles**

Job roles and titles vary across different industry sectors. Possible job titles relevant to this qualification include:

Farm team leader

Farm supervisor

Shed supervisor

## **Licensing/Regulatory Information**

Not Applicable

## **Entry Requirements**

There are no entry requirements for this qualification.

## Employability Skills Summary

Employability Skill	Industry/enterprise requirements for this qualification include:
Communication	<ul style="list-style-type: none"> <li>• Reading and interpreting workplace related documentation</li> <li>• Interpreting the needs of internal/external customers</li> <li>• Applying numeracy skills to workplace requirements</li> </ul>
Teamwork	<ul style="list-style-type: none"> <li>• Working with diverse individuals and groups</li> <li>• Applying knowledge of own role as a part of a team</li> <li>• Applying teamwork skills to a range of situations</li> </ul>
Problem-solving	<ul style="list-style-type: none"> <li>• Developing practical and creative solutions to workplace problems</li> <li>• Showing interdependence and initiative in identifying problems</li> <li>• Applying a range of strategies in problem solving</li> </ul>
Initiative and enterprise	<ul style="list-style-type: none"> <li>• Being creative in response to workplace challenges</li> <li>• Identifying opportunities that might not be obvious to others</li> <li>• Generating a range of options in response to workplace matters</li> </ul>
Planning and organising	<ul style="list-style-type: none"> <li>• Collecting analysing and organising information</li> <li>• Being appropriately resourceful</li> <li>• Taking initiative and making decisions within workplace role</li> </ul>
Self-management	<ul style="list-style-type: none"> <li>• Monitoring and evaluating own performance</li> <li>• Taking responsibility at the appropriate level</li> </ul>
Learning	<ul style="list-style-type: none"> <li>• Being open to learning, new ideas and techniques</li> <li>• Learning in a range of settings including informal learning</li> <li>• Contributing to the learning of others</li> </ul>
Technology	<ul style="list-style-type: none"> <li>• Using technology and related workplace equipment</li> <li>• Using basic technology skills</li> <li>• Using technology to organise data</li> <li>• Applying OHS knowledge when using technology</li> </ul>

## Packaging Rules

Completion of twelve (12) units made up of one (1) core unit and eleven (11) elective units.

### ELECTIVE UNITS

- a minimum of four (4) units from elective group A
- a minimum of five (5) units from elective groups A or B
- a maximum of two (2) units from units aligned to Certificates III, IV or Diploma in AHC10 or from any other currently endorsed training package or accredited course. Selected units must be relevant to job outcomes in agriculture.

### CORE UNIT

#### Occupational health and safety

Unit code	Unit title
AHCOHS401A	Maintain Occupational Health and Safety (OHS) processes

### ELECTIVE UNITS GROUP A

#### Broadacre cropping

Unit code	Unit title
AHCBAC401A	Manage pastures for livestock production
AHCBAC402A	Plan a pasture establishment program
AHCBAC403A	Supervise agricultural crop establishment
AHCBAC404A	Plan and implement agricultural crop maintenance
AHCBAC405A	Supervise agricultural crop harvesting
AHCBAC406A	Maintain grain quality in storage
AHCBAC407A	Save, prepare and store agricultural seed

#### Chemicals

Unit code	Unit title
AHCCHM401A	Minimise risks in the use of chemicals

#### Dairy

<b>Unit code</b>	<b>Unit title</b>
AHCDRY401A	Manage milking shed routines

### **Livestock**

<b>Unit code</b>	<b>Unit title</b>
AHCLSK312A	Coordinate artificial insemination and fertility management of livestock
AHCLSK317A	Plan to exhibit livestock
AHCLSK401A	Develop feeding plans for a production system
AHCLSK402A	Develop livestock feeding plans
AHCLSK404A	Implement and monitor animal welfare programs
AHCLSK405A	Implement intensive production systems
AHCLSK406A	Oversee animal marking operations
AHCLSK407A	Plan and monitor intensive production systems
AHCLSK408A	Pregnancy test animals
AHCLSK409A	Supervise animal health programs
AHCLSK410A	Supervise feedlot operations
AHCLSK411A	Supervise natural mating of livestock
AHCLSK412A	Arrange livestock purchases
AHCLSK413A	Design livestock handling facilities
AHCLSK414A	Arrange transport for farm produce or livestock
AHCLSK415A	Oversee alpaca farm activities
AHCLSK416A	Identify and select animals for breeding
AHCLSK417A	Manage horses for stock work
AHCLSK418A	Escort livestock during export

### **Machinery operation and maintenance**

Unit code	Unit title
AHCMOM402A	Supervise maintenance of property, machinery and equipment

### **Pest management**

Unit code	Unit title
AHCPMG408A	Assess and monitor weed, pest and/or disease control programs

### **Pork production**

Unit code	Unit title
AHCPRK401A	Implement a feeding strategy for pig production

## **ELECTIVE UNITS GROUP B**

### **Agribusiness**

Unit code	Unit title
AHCAGB401A	Implement and monitor a property improvement plan
AHCAGB402A	Analyse and interpret production data
BSBRK401A	Identify risk and apply risk management processes

### **Artificial insemination**

Unit code	Unit title
AHCAIS401A	Supervise artificial breeding and/or embryo transfer programs

### **Business**

Unit code	Unit title
AHCBUS401A	Administer finance, insurance and legal requirements
AHCBUS402A	Cost a project
AHCBUS403A	Support and review business structures and relationships
AHCBUS404A	Operate within a budget framework

AHCBUS405A	Participate in an e-business supply chain
BSBFIA402A	Report on financial activity
BSBSMB405B	Monitor and manage small business operations
BSBSMB406A	Manage small business finances
BSBWOR402A	Promote team effectiveness
BSBHRM402A	Recruit, select and induct staff
BSBINM401A	Implement workplace information system
BSBITU404A	Produce complex desktop published documents
BSBCMM401A	Make a presentation

### Chemicals

Unit code	Unit title
AHCCHM402A	Plan and implement a chemical use program
AHCCHM403A	Prepare safe operating procedures for calibration of equipment

### Deer

Unit code	Unit title
AHCDER401A	Handle, store and grade deer velvet
AHCDER501A	Comply with deer industry national velvet accreditation requirements
AHCDER502A	Harvest deer velvet

### Horse breeding

Unit code	Unit title
AHCHBR305A	Handle and care for stallions
AHCHBR401A	Carry out stud stable management duties
AHCHBR402A	Supervise raising young horses



**Irrigation**

<b>Unit code</b>	<b>Unit title</b>
AHCIRG401A	Acquire resources for irrigation installation and construction
AHCIRG402A	Determine hydraulic parameters for an irrigation system
AHCIRG404A	Implement an irrigation-related environmental protection program
AHCIRG405A	Plan and coordinate gravity-fed irrigation systems
AHCIRG406A	Plan on-site irrigation system installation and construction work
AHCIRG407A	Supervise on-site irrigation installation and construction work
AHCIRG408A	Schedule irrigations

**Machinery operation and maintenance**

<b>Unit code</b>	<b>Unit title</b>
AHCMOM401A	Conduct major repair and overhaul of machinery and equipment

**Merchandising and sales**

<b>Unit code</b>	<b>Unit title</b>
AHCMER401A	Coordinate customer service and networking activities
AHCMER402A	Provide advice and sell machinery
AHCMER403A	Provide advice and sell farm chemicals
AHCMER404A	Provide advice on agronomic products
AHCMER405A	Provide advice on livestock products
AHCMER406A	Provide information on fertilisers and soil ameliorants

**Milk harvesting**

<b>Unit code</b>	<b>Unit title</b>
AHCMKH401A	Carry out cleaning-time tests of milking machines
AHCMKH402A	Design and fabricate milking equipment installations

AHCMKH403A	Design and install on-farm milk cooling and storage
AHCMKH404A	Install milking equipment
AHCMKH405A	Performance test milking machines

### Organic production

Unit code	Unit title
AHCORG401A	Manage biodynamic production
AHCORG402A	Manage organic livestock production
AHCORG403A	Manage organic soil improvement

### Plants

Unit code	Unit title
AHCPCM402A	Develop a soil health and plant nutrition program

### Shearing

Unit code	Unit title
AHCSHG401A	Apply advanced shearing techniques
AHCSHG402A	Conduct equipment experting for machine shearing
AHCSHG403A	Account for shearing shed supplies
AHCSHG404A	Manage shearing and crutching operations
AHCSHG405A	Arrange employment for shearing operations
AHCSHG406A	Prepare shearing team wages
AHCSHG407A	Oversee and instruct shed staff

### Soils and media

Unit code	Unit title
AHCSOL401A	Sample soils and interpret results
AHCSOL402A	Develop a soil use map for a property

AHCSOL403A	Prepare acid sulphate soil management plans
AHCSOL404A	Supervise acid sulphate soil remediation and management projects

### Wool

Unit code	Unit title
AHCWOL401A	Determine wool classing strategies
AHCWOL402A	Use individual fleece measurements to prepare wool for sale
AHCWOL404A	Establish work routines and manage wool harvesting and preparation staff

### Work

Unit code	Unit title
AHCWRK401A	Implement and monitor quality assurance procedures
AHCWRK402A	Provide information on issues and policies
AHCWRK403A	Supervise work routines and staff performance
PSPPM402B	Manage simple projects
MSL913002A	Plan and conduct laboratory/field work
SRXGRO002A	Deal with conflict
TAEDEL301A	Provide work skill instruction