



**Australian Government**

# **AHC50116 Diploma of Agriculture**

**Release 8**

## AHC50116 Diploma of Agriculture

### Modification History

| Release   | Comments  |
|-----------|---|
| Release 8 | This version released with AHC Agriculture, Horticulture, Conservation and Land Management Training Package Version 8.0.  |
| Release 7 | This version released with AHC Agriculture, Horticulture, Conservation and Land Management Training Package Version 7.0.  |
| Release 6 | This version released with AHC Agriculture, Horticulture, Conservation and Land Management Training Package Version 6.2.. |
| Release 5 | This version released with AHC Agriculture, Horticulture, Conservation and Land Management Training Package Version 6.1.  |
| Release 4 | This version released with AHC Agriculture, Horticulture, Conservation and Land Management Training Package Version 4.0.  |
| Release 3 | This version released with AHC Agriculture, Horticulture, Conservation and Land Management Training Package Version 3.0.  |
| Release 2 | This version released with AHC Agriculture, Horticulture, Conservation and Land Management Training Package Version 1.1.  |
| Release 1 | This version released with AHC Agriculture, Horticulture, Conservation and Land Management Training Package Version 1.0.  |

### Qualification Description

This qualification reflects the role of personnel working on farms and stations who manage enterprise production units and employees and sole operators of agribusinesses who provide crop production advice and services to production enterprises.

Industry expects individuals with this qualification will take personal responsibility and exercise autonomy in undertaking complex work. They must analyse information and exercise judgement to complete a range of advanced skilled activities.

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

- Farm production manager
- Production unit manager

- Agronomist
- Station/property manager.

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

## Entry Requirements

There are no entry requirements for this qualification.

## Packaging Rules

To achieve this qualification, competency must be demonstrated in:

- 10 units of competency:
  - 0 core units plus
  - 10 elective units.

Elective units must ensure the integrity of the qualification's Australian Qualification Framework (AQF) alignment and contribute to a valid, industry-supported vocational outcome. The electives are to be chosen as follows:

- Select 5 units from Group A
- Select 3 units from Group A or Group B
- 2 units aligned to AQF level 4 or above may be selected from the elective list, or this or any other endorsed Training Package or Accredited Course
- Selected units must be relevant to job outcomes in agriculture and must be chosen to ensure the integrity of the qualification outcome at AQF level 5.

### Elective Units

#### Group A

##### Agribusiness

|           |  |
|-----------|--|
| AHCAGB513 | Develop a farm plan                        |
| AHCAGB518 | Develop climate risk management strategies |

##### Broadacre cropping

|           |   |
|-----------|---|
| AHCBAC417 | Manage agricultural crop production                               |
| AHCBAC509 | Plan and manage long-term weed, pest and disease control in crops |
| AHCBAC510 | Manage integrated crop and pasture production                     |
| AHCBAC511 | Plan and manage a stored grain program                            |

|           |  |
|-----------|--|
| AHCBAC512 | Develop production plans for crops or pastures |
| AHCBAC513 | Apply plant biology to agronomic practices     |
| AHCBAC515 | Manage forage conservation                     |
| AHCBAC516 | Manage the harvest of crops                    |

### **Business**

|           |   |
|-----------|---|
| AHCBUS511 | Manage enterprise staff requirements    |
| AHCBUS513 | Market products and services            |
| AHCBUS516 | Develop and review a business plan      |
| AHCBUS517 | Monitor and review business performance |

### **Livestock**

|           |   |
|-----------|---|
| AHCLSK501 | Manage livestock production   |
| AHCLSK502 | Arrange marketing of livestock  |
| AHCLSK504 | Develop livestock health and welfare strategies                             |
| AHCLSK508 | Plan, monitor and evaluate strategies to improve livestock through genetics |
| AHCLSK509 | Develop and implement a breeding strategy                                   |
| AHCLSK510 | Develop production plans for livestock                                      |

### **Organic production**

|           |  |
|-----------|--|
| AHCORG507 | Develop an organic or biodynamic management plan               |
| AHCORG508 | Prepare the enterprise for organic or biodynamic certification |

### **Soils and media**

|           |   |
|-----------|---|
| AHCSOL505 | Monitor and manage soils for production |
|-----------|---|

|           |  |
|-----------|--|
| AHCSOL506 | Manage erosion and sediment control                            |
| AHCSOL507 | Develop and manage a plan to reclaim land affected by salinity |
| AHCSOL508 | Manage soils to enhance sustainability                         |

### Work health and safety

|           |   |
|-----------|---|
| AHCWHS502 | Manage work health and safety processes |
|-----------|---|

### Group B

#### Agribusiness

|           |  |
|-----------|--|
| AHCAGB512 | Plan and manage infrastructure   |
| AHCAGB514 | Manage application of agents to crops or pastures  |
| AHCAGB515 | Develop sustainable agricultural practices that utilise renewable energy and recycling systems |
| AHCAGB516 | Select and implement a GIS for sustainable agricultural systems                                |
| AHCAGB517 | Develop and manage a plan for sustainable production   |
| AHCAGB519 | Plan and monitor production processes  |
| AHCAGB520 | Plan production for the whole business   |
| AHCAGB521 | Select and use agricultural technology   |
| AHCAGB522 | Implement the introduction of biotechnology into the production system                         |
| BSBPEF501 | Manage personal and professional development   |

#### Business

|           |   |
|-----------|---|
| AHCBUS514 | Negotiate and monitor contracts                   |
| AHCBUS515 | Prepare estimates, quotes and tenders             |
| AHCBUS518 | Prepare and monitor budgets and financial reports |

|           |  |
|-----------|--|
| BSBFIN501 | Manage budgets and financial plans             |
| BSBHRM525 | Manage recruitment and onboarding              |
| BSBINS401 | Analyse and present research information       |
| BSBOPS504 | Manage business risk                           |
| TLIL5019  | Implement and monitor transport logistics      |
| TLIR0004  | Negotiate a contract                           |
| TLIR4002  | Source goods/services and evaluate contractors |

### **Chemicals**

|           |  |
|-----------|--|
| AHCCHM405 | Plan and implement a chemical use program  |
| AHCCHM501 | Develop and manage a chemical use strategy |

### **Drainage**

|           |                         |
|-----------|-------------------------|
| AHCDRG502 | Design drainage systems |
|-----------|-------------------------|

### **Livestock**

|           |                                   |
|-----------|-----------------------------------|
| AHCLSK506 | Design livestock effluent systems |
|-----------|-----------------------------------|

### **Merchandising and sales**

|           |   |
|-----------|---|
| AHCMER502 | Develop a sales strategy for rural products |
|-----------|---|

### **Machinery operation and maintenance**

|           |   |
|-----------|---|
| AHCMOM501 | Manage machinery and equipment          |
| AHCMOM502 | Implement a machinery management system |

### **Natural area restoration**

|           |   |
|-----------|---|
| AHCECR506 | Develop and implement sustainable land use strategies |
|-----------|---|

### Organic production

|           |                                     |
|-----------|-------------------------------------|
| AHCORG401 | Manage biodynamic production        |
| AHCORG402 | Manage organic livestock production |
| AHCORG403 | Manage organic soil improvement     |

### Plants

|           |  |
|-----------|--|
| AHCPCM513 | Conduct environment and food safety risk assessment of plant nutrition and soil fertility programs |
|-----------|--|

### Shearing

|           |  |
|-----------|--|
| AHCSHG405 | Arrange employment for shearing operations |
|-----------|--|

### Water

|           |                      |
|-----------|----------------------|
| AHCWAT503 | Manage water systems |
|-----------|----------------------|

### Work

|           |  |
|-----------|--|
| AHCWRK502 | Collect and manage data                                    |
| AHCWRK504 | Assess new industry developments                           |
| AHCWRK509 | Provide specialist advice to clients                       |
| AHCWRK511 | Develop workplace policy and procedures for sustainability |
| AHCWRK512 | Plan, implement and review a quality assurance program     |
| AHCWRK514 | Manage trial and research material                         |

## Qualification Mapping Information

| Code and title current version            | Code and title previous version           | Comments   | Equivalence status |
|---|---|--|--------------------|
| AHC50116 Diploma of Agriculture Release 8 | AHC50116 Diploma of Agriculture Release 7 | Minor update to qualification to correct two (2) unit codes in the list of electives | Equivalent         |

## Links

Companion Volume implementation guides are found in VETNet -

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