Agriculture Trade Qualification Project

Broadacre Cropping Specialisation

The following document explains the required units a student must complete in order to be awarded the Certificate III in Agricultural Production (Broadacre Cropping). Noting this is based off the units and packaging rules in the draft qualification.

Units of competency listed below can be found in the qualification under Core and Elective Group A.

Typical Occupation Titles

• Agriculturist • Agriculturalist • Agricultural tradesperson • Agricultural technician • Agricultural contractor • Senior farm hand • Leading hand

Occupational Profile

A person working in Broadacre Cropping assists in producing crops from paddock preparation through to harvest. They spend much of their time in the paddock and on machinery, establishing crops, monitoring crop growth and performance, responding to seasonal conditions and carrying out the work needed to produce quality grain and other broadacre crops.

They are confident operating tractors, machinery and precision agriculture technology used in modern broadacre farming. They use GPS guidance systems, farm software and production information to monitor activities, keep records and support day-to-day farm decisions.

They understand how soils, nutrition, weather, seasonal conditions and the wider agricultural production system influence crop performance. They can recognise changes in crop growth and condition, identify issues that may affect yield, quality or profitability, and provide information to the farmer or supervisor to support day-to-day decisions. They implement soil management processes and understand how production activities, inputs, resources, technology, supply chains and markets interact within broadacre production.

They apply biosecurity measures and safely transport, store, prepare and apply agricultural chemicals to control pests, weeds and diseases. They understand how regulatory, quality assurance, stewardship, climatic and environmental factors influence production and help protect crop quality and farm productivity.

They maintain production records, work safely, communicate effectively with supervisors, contractors and team members, provide first aid when required and help keep the farm operating efficiently throughout the year. They understand the broader agricultural production system in which their work occurs and contribute to quality, sustainable and efficient farm operations.

Capability Theme	What They Can Do	Units of Competency
Growing Crops • Get crops established • Monitor crop performance • Harvest crops	Get crops established, keep an eye on how they are performing through the season, deal with issues as they arise and help produce crops for harvest.	AHCBAC315 Establish agricultural crops AHCBAC316 Maintain agricultural crops AHCBAC317 Undertake agricultural crop harvesting activities
Looking After Paddocks • Monitor soils • Implement soil management • Maintain productive paddocks • Support healthy crops	Understand what is happening in the soil, implement soil management processes, and help keep paddocks productive year after year.	AHCSOL3X01 Implement agricultural soil management processes
Protecting Crop Health • Apply biosecurity measures • Handle chemicals safely • Apply chemical control • Protect crop quality and health	Apply biosecurity measures and safely transport, store prepare and apply agricultural chemicals to control pests, weeds and diseases, and protect crop quality.	AHCBIO303 Apply biosecurity measures AHCCHM304 Transport and store chemicals AHCCHM307 Prepare and apply chemicals to control pest, weeds and diseases
Using Machinery & Technology • Operate and maintain machinery • Use GPS guidance • Use farm information	Confidently operate tractors, machinery and modern farm technology, keep machinery working properly and use farm information to help make better day-to-day decisions.	AHCMOM317 Operate tractors with attachments AHCMOM302 Perform machinery maintenance AHCMOM311 Operate precision control technology AHCTEC3X01 Operate and monitor agricultural production data information technology AHCTEC3X02 Identify and recommend agricultural production system technology
Working With Seasonal Conditions • Monitor weather • Respond to change • Adjust activities • Work sustainably	Keep an eye on weather and seasonal conditions, adjust work when conditions change and help look after the land while getting the job done.	AHCWRK314 Monitor weather conditions AHCWRK320 Apply environmentally sustainable work practices
Supporting Farm Operations • Understand production systems • Keep records • Work safely • Communicate with others • Help the farm run smoothly	Understand how production activities, inputs, resources, labour, technology, supply chains and markets interact. Keep useful records, work safely, communicate clearly with the team and contractors, and help keep the farm operating efficiently.	AHCAGB302 Keep production records for a primary production business AHCWHS302 Contribute to workplace health and safety processes AHCWRK318 Comply with industry quality assurance requirements AHCWRK3X01 Identify and compare agricultural production systems BSBXCM301 Engage in workplace communications HLTAID011 Provide First Aid

Note: All units in ORANGE represent skills that are common across one or more industry sectors.

Capability themes are used to describe the major areas of work undertaken by agricultural tradespeople. They are provided to illustrate the occupational outcomes supported by the qualification and are not packaging groups or endorsed components of the qualification.

Feedback to consider

Are all the minimally required skills and knowledge listed below?

What is missing?

What is not needed?

Under each unit title in green is an explanation of what outcomes the worker will learn.

Broadacre Cropping

AHCBAC315	Establish agricultural crops *Establish crops by preparing equipment and sowing or planting according to a crop production plan*
AHCBAC316	Maintain agricultural crops *Monitor and maintain crops by assessing crop health and applying treatments to support growth and yield*
AHCBAC317	Undertake agricultural crop harvesting activities *Carry out crop harvesting by preparing equipment, assessing crop readiness, and harvesting safely and efficiently*
AHCMOM302	Perform machinery maintenance *Perform machinery maintenance by inspecting, servicing and recording upkeep to keep equipment operating safely and efficiently*
AHCMOM311	Operate precision control technology *Operate precision technology to control machinery and optimise performance during agricultural operations*
AHCWRK314	Monitor weather conditions *Monitor weather conditions and adapt work activities to minimise risks and impacts on farm operations*
AHCAGB302	Keep production records for a primary production business *Keep accurate farm records to support decision-making, track production activities and meet audit or compliance requirements*
AHCBIO303	Apply biosecurity measures *Apply biosecurity measures to prevent, identify and respond to biosecurity risks in agricultural workplaces*
AHCCHM304	Transport and store chemicals *Transport, store and manage chemicals safely in line with regulatory and workplace requirements*
AHCCHM307	Prepare and apply chemicals to control pest, weeds and diseases *Prepare and apply chemicals safely and effectively to control pests, weeds and diseases*
AHCMOM317	Operate tractors with attachments

	Safely operate and maintain tractors with attachments to carry out farm work
AHCSOL3X01	Implement soil management processes *Implement and monitor soil management practices to maintain soil health and support productive, sustainable farming*
AHCTEC3X01	Operate and monitor agricultural production data information technology *Use digital systems to collect, monitor and analyse farm data, and use information to improve production decisions*
AHCTEC3X02	Identify and recommend agricultural production system technology *Research, assess and recommend farm technologies (machinery, equipment or digital tools) to improve production outcomes*
AHCWHS302	Contribute to workplace health and safety processes *Work safely by following procedures, identifying hazards, and helping manage risks on farm*
AHCWRK318	Comply with industry quality assurance requirements *Follow farm quality and industry standards, keep records, and identify and fix issues that affect product quality*
AHCWRK320	Apply environmentally sustainable work practices *Use resources (like water, fuel and chemicals) efficiently on farm, reduce waste, and meet environmental and biosecurity requirements in day-to-day work*
AHCWRK3X01	Identify and compare agricultural production systems *Understand how agricultural production systems operate and how production activities, technology, markets and other factors interact to influence outcomes*
BSBXCM301	Engage in workplace communications *Communicate effectively with supervisors, co-workers and contractors to coordinate work, share information and report issues.*
HLTAID011	Provide First Aid *Respond to emergencies by providing first aid, including CPR and basic treatment, until medical help arrives*

To provide feedback on the units (skills and knowledge) that make up the Broadacre Cropping specialisation please go to the qualification document and leave a comment.

You can also email your feedback to lucinda@skillsinsight.com.au.

Skills Insight is a Jobs and Skills Council funded by the Australian Government Department of Employment and Workplace Relations.