

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

Agriculturalist • Agricultural tradesperson • Agricultural technician • Agricultural specialist
• Agricultural contractor • Senior farm hand • Leading hand • Head stockperson

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 and seasonal conditions influence crop performance. They can see when a paddock is performing well or poorly, 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 help monitor soil health, apply fertilisers and soil treatments, and support practices that improve paddock productivity over time.

They keep an eye out for weeds, pests, diseases and crop disorders, taking action before these issues affect crop performance or grain quality. They understand how changing weather and seasonal conditions influence farming operations and can adjust activities to suit conditions throughout the growing season.

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 may also support routine work activities, coordinate day-to-day tasks and contribute to the productive and sustainable operation of a modern broadacre cropping operation.

Capability Theme	What They Can Do	Units of Competency
Growing Crops • Get crops established • Monitor crop performance • Harvest crops • Produce quality grain	Get crops established, keep an eye on how they are performing through the season, deal with issues as they arise and help produce quality grain at harvest.	AHCBAC315 Establish agricultural crops AHCBAC316 Maintain agricultural crops AHCBAC317 Undertake agricultural crop harvesting activities
Looking After Paddocks • Monitor soils • Apply fertiliser • Improve paddock productivity • Support healthy crops	Understand what is happening in the soil, apply fertiliser and soil treatments when required, and help keep paddocks productive year after year.	AHC SOL3X01 Implement agricultural soil management processes AHCPCM305 Implement a plant nutrition program
Protecting Crop Health • Identify weeds • Monitor pests and diseases • Apply control measures • Protect crop quality	Spot weeds, pests and diseases early and take action before they affect crop performance, yield or grain quality.	AHC PMG301 Control weeds AHC PMG302 Control plant pests, diseases and disorders
Using Machinery & Technology • Operate machinery • Maintain equipment • Use GPS guidance • Use farm information	Confidently operate tractors, machinery and modern farm technology, keep equipment working properly and use farm information to help make better day-to-day decisions.	AHC MOM317 Operate tractors with attachments AHC MOM302 Perform machinery maintenance AHC MOM311 Operate precision control technology AHC TEC3X01 Operate and monitor agricultural production data information technology AHC TEC3X02 Select 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.	AHC WRK314 Monitor weather conditions AHC WRK320 Apply environmentally sustainable work practices
Supporting Farm Operations • Keep records • Work safely • Communicate with others • Help the farm run smoothly	Keep useful records, work safely, communicate clearly with the team and contractors, and help keep the farm operating efficiently.	AHC AGB302 Keep production records for a primary production business AHC WHS302 Contribute to workplace health and safety processes AHC WRK318 Comply with industry quality assurance requirements 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

<u>AHCBAC315</u>	Establish agricultural crops <i>Establish crops by preparing equipment and sowing or planting according to a crop production plan</i>
<u>AHCBAC316</u>	Maintain agricultural crops <i>Monitor and maintain crops by assessing crop health and applying treatments to support growth and yield</i>
<u>AHCBAC317</u>	Undertake agricultural crop harvesting activities <i>Carry out crop harvesting by preparing equipment, assessing crop readiness, and harvesting safely and efficiently</i>
<u>AHCMOM302</u>	Perform machinery maintenance <i>Perform machinery maintenance by inspecting, servicing and recording upkeep to keep equipment operating safely and efficiently</i>
<u>AHCMOM311</u>	Operate precision control technology <i>Operate precision technology to control machinery and optimise performance during agricultural operations</i>
<u>AHCWRK314</u>	Monitor weather conditions <i>Monitor weather conditions and adapt work activities to minimise risks and impacts on farm operations</i>
<u>AHCAGB302</u>	Keep production records for a primary production business <i>Keep accurate farm records to support decision-making, track production activities and meet audit or compliance requirements</i>
<u>AHCMOM317</u>	Operate tractors with attachments <i>Safely operate and maintain tractors with attachments to carry out farm work</i>
<u>AHCPCM305</u>	Implement a plant nutrition program <i>Manage plant nutrition by assessing soil and plant needs, and applying fertilisers effectively to support healthy crop growth</i>
<u>AHCPMG301</u>	Control weeds <i>Plan and carry out weed control activities to manage infestations while minimising environmental impact</i>
<u>AHCPMG302</u>	Control plant pests, diseases and disorders

Identify and manage plant pests and diseases, and apply control methods to protect plant health and productivity

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

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.



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