



Australian Government

AHCBAC302 Establish pastures and crops for livestock production

Release: 1

AHCBA302 Establish pastures and crops for livestock production

Modification History

Release	TP Version	Comment
1	AHCv1.0	Initial release

Application

This unit of competency describes the skills and knowledge required to establish pastures and crops for livestock production.

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

This unit applies to individuals who work under broad direction and take responsibility for own work including limited responsibility for the work of others. They use discretion and judgement in the selection and use of available resources and complete routine activities.

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

Pre-requisite Unit

Nil.

Unit Sector

Broad acre cropping (BAC)

Elements and Performance Criteria

Element	Performance criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
1. Prepare for pasture and crop establishment	1.1 Confirm the pasture and crop establishment program with supervisor 1.2 Conduct pre-treatment (including inoculation) of seed prior to sowing where required 1.3 Select appropriate sowing methods for crop and pasture species

Element	Performance criteria
	1.4 Apply appropriate fertilisers 1.5 Select and operate machinery and equipment appropriately 1.6 Identify work health and safety hazards in crop and pasture establishment and assess risks
2. Implement pasture and crop establishment program	2.1 Implement work health and safety controls for crop and pasture establishment 2.2 Prepare machinery and equipment for sowing 2.3 Calibrate seeding and fertilising equipment 2.4 Conduct pasture and crop sowing appropriately 2.5 Ensure efficient performance of sowing operations including the use of technology where appropriate 2.6 Apply appropriate fertilisers and pesticides
3. Implement grazing strategies during establishment	3.1 Use livestock to conduct stubble and fallow weed control as part of an integrated pest management program where appropriate. 3.2 Use livestock to conduct stubble, ground cover, competition or weed control during establishment. 3.3 Implement appropriate controlled grazing of crops and pastures during pasture and crop establishment 3.4 Implement appropriate grazing management according to sustainable land management practices

Foundation Skills

Foundation Skills essential to performance are explicit in the performance criteria of this unit of competency.

Range of Conditions

Unit Mapping Information

This unit is equivalent to AHCBA302A Establish pastures and crops for livestock production

Links

Companion Volume implementation guides are found in VETNet -

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

Assessment Requirements for AHCBA302 Establish pastures and crops for livestock production

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Performance Evidence

The candidate must be assessed on their ability to integrate and apply the performance requirements of this unit in a workplace setting. Performance must be demonstrated consistently over time and in a suitable range of contexts.

The candidate must provide evidence that they can:

- operate machinery and equipment
- calibrate boom spray and drill and fertiliser spreader
- identify pests and diseases
- identify pasture and crop species (both seed and seedlings)
- identify and control weeds
- handle chemicals safely
- mix and inoculate seed
- interpret and implement crop and pasture production plans
- assess existing pastures and crops to maximise livestock production
- sow and monitor new pastures and crops
- select pasture species, sowing method and application appropriate for optimal yield
- manage grazing systems including weed and stubble control
- control pests and weeds without damage to the crop or pasture
- demonstrate correct use of technology to improve efficiency
- follow enterprise work health and safety policies
- follow enterprise sustainability practices.

Knowledge Evidence

The candidate must demonstrate knowledge of:

- types of grasses, legumes and crops
- types of seed inoculants and fertilizers
- seed and fertilizer placement for optimal germination and growth
- integrated weed control including chemical application, cultural practices and grazing management

- safe use of chemicals and machinery
- role of technology in improving efficiency
- advantages and disadvantages of pasture and crop establishment programs
- timing of pasture and crop establishment
- enterprise work health and safety policies
- procedures for minimising environmental impacts.

Assessment Conditions

Competency is to be assessed in the workplace or simulated environment that accurately reflects performance in a real workplace setting.

Assessors must satisfy current standards for RTOs.

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