



Australian Government

Assessment Requirements for AHCBAC306 Establish agricultural crops

Release: 1

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Modification History

Release	TP Version	Comment
1	AHCv1.0	Initial release

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:

- identify hazards and implement safe operating procedures
- sow seed and apply fertiliser at the required placement and rate
- identify types of weeds and insects harmful to crop establishment
- perform pre-operational and safety checks, servicing and maintenance on machinery and equipment
- calibrate, operate machinery and attach/detach equipment
- demonstrate emergency operating procedures in normal and adverse conditions
- recognise and report machinery damage, faults or malfunctions and perform minor repairs
- demonstrate safe, environmentally responsible and sustainable land management practices
- monitor and minimise impacts to the environment associated with sowing operations
- correct use of technology to improve efficiency
- read and interpret manufacturer specifications, work and maintenance plans, and MSDS
- obtain relevant licences and permits
- clean, secure and store machinery and equipment
- record and report equipment faults, workplace hazards and accidents
- assess and calculate the application of fertiliser/pesticide requirements and application rates
- calibrate equipment and calculate volumes, consumption and servicing requirements
- prepare and service machinery and equipment
- carry out tillage and apply pre-planting treatments
- carry out sowing operation and fertiliser application
- monitor the environmental impacts of establishing the crop
- clean, secure and store machinery and equipment
- keep records of the sowing operation
- follow enterprise work health and safety policies in the context of own work

- follow sustainability practices in the context of own work
- follow enterprise biosecurity policies in the context of own work.

Knowledge Evidence

The candidate must demonstrate knowledge of:

- crop types, preparation of seeds, seeding methods and application techniques
- fertiliser types, rates of application and crop nutrient requirements
- effects of weather conditions (normal and adverse) on seeding and fertilising applications
- operating principles and operating methods for machinery and equipment
- pre-operational and safety checks, servicing and maintenance procedures for seeding machinery and equipment
- principles of weight distribution with regard to load shifting and vehicle movement
- role of technology in improving efficiency
- sustainable land management and soil conservation techniques
- positive environmental practices, negative environmental impacts and minimisation measures associated with seeding operations
- procedures for cleaning, securing and storing machinery, equipment and materials
- enterprise policies with regard to seeding operations, and recording and reporting routines
- relevant state/territory legislation, regulations and codes of practice with regard to workplace health and safety and the use and control of pesticides and fertilizers
- Personal Protective Equipment and when and how it should be used
- relevant state/territory legislation and regulations with regard to licensing requirements and the use and control of machinery and equipment
- enterprise biosecurity and sustainability policies.

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.

Links

Companion Volume implementation guides are found in VETNet -

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