



Australian Government

AHCSDP302 Establish seed crops

Release: 1

AHCSDP302 Establish seed crops

Modification History

Release	TP Version	Comment
1	AHCv1.0	Initial release

Application

This unit of competency describes the skills and knowledge required to establish seed crops. It applies to workers on properties where commercial seed production is undertaken. Workers operate with some judgement and discretion and work would normally be carried out under minimal supervision within enterprise requirements and procedures.

It applies to individuals who take responsibility for their own work and for the quality of the work of others. They use discretion and judgement in the selection, allocation and use of available resources. All work is carried out to comply with workplace procedures.

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

Seed production (SPD)

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 machinery and equipment for use	1.1 Select and confirm machinery and equipment against the work plan and prepare to manufacturer specifications 1.2 Attach and calibrate equipment for operation 1.3 Identify existing and potential work health and safety hazards in the workplace, assess and control risks
2. Prepare for seed crop establishment	2.1 Monitor soil and weather conditions for optimal seeding conditions

Element	Performance criteria
	2.2 Recognise and confirm soil conservation and sustainable land management practices and procedures 2.3 Prepare, to seed certification specifications, seeding, fertiliser and pest and weed control requirements 2.4 Prepare contingency plans for unusual seasonal conditions
3. Sow the crop	3.1 Select, use and maintain suitable personal protective equipment 3.2 Undertake seeding and fertiliser applications 3.4 Coordinate pest and weed control treatment with seeding and fertiliser applications 3.5 Identify environmental implications associated with sowing operations, assess impacts and adopt procedures
4. Complete seeding operations	4.1 Maintain seeding, machinery and equipment operation records 4.2 Report machinery and equipment damage, malfunctions or irregular performance 4.3 Clean, secure and store machinery and equipment in line with manufacturer specifications and seed certification requirements

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 AHCSDP302A Establish seed crops.

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 AHCSDP302 Establish seed crops

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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:

- carry out sowing operation and fertiliser application
- carry out tillage and apply pre-planting treatments
- clean, secure and store machinery and equipment
- keep records of the sowing operation
- monitoring the environmental impacts of establishing the crop
- prepare and service machinery and equipment

Knowledge Evidence

The candidate must demonstrate knowledge of:

- principles and practices of seed crop establishment
 - effects of weather conditions (normal and adverse) on seeding and fertilising applications
 - enterprise policies with regard to seeding operations, and recording and reporting routines
 - fertiliser types, rates of application and crop nutrient requirements
 - operating principles and operating methods for machinery and equipment
 - positive environmental practices, negative environmental impacts and minimisation measures associated with seeding operations
 - personal protective equipment (PPE) and when and how it should be used
 - 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
 - procedures for cleaning, securing and storing machinery, equipment and materials
 - record keeping for certified seed

- relevant state/territory legislation and regulations with regard to licensing requirements and the use and control of machinery and equipment
- relevant state/territory legislation, regulations and codes of practice with regard to workplace health and safety and the use and control of hazardous substances
- seed crop types, preparation of seeds, seeding methods and application techniques
- sustainable land management and soil conservation techniques

Assessment Conditions

Assessors must satisfy current standards for RTOs.

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