



Australian Government

AHCSP0305 Operate seed treatment machinery

Release: 1

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Modification History

Release	TP Version	Comment
1	AHCv1.0	Initial release

Application

This unit of competency describes the skills and knowledge required to apply a range of treatments or modifications to seed using seed treatment machinery and equipment such as coating machinery and chemical treatment machinery. Workers operate with some judgement. Work would normally be carried out under minimal supervision within enterprise requirements and procedures.

It applies to individuals who take responsibility for 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 processing (SPO)

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. Select and prepare seed treatment machinery and equipment for use	1.1 Select and prepare machinery and equipment to job requirements and confirm against work plan 1.2 Complete routine pre-operational checks of the machine to manufacturer's specifications and enterprise requirements 1.3 Recognise work health and safety hazards in the workplace and assess and minimise risks

Element	Performance criteria
2. Operate seed treatment machinery and equipment	2.1 Operate machinery and equipment in a safe and controlled manner and monitor for performance and efficiency 2.2 Anticipate risks to self, others and the environment and implement minimisation strategies accordingly 2.3 Select, use, maintain and store suitable personal protective equipment (PPE) 2.4 Report environmental implications associated with machinery operation
3. Complete and report on seed treatment machinery and equipment operation	3.1 Complete shut-down procedures to manufacturer's specifications and enterprise requirements 3.2 Complete and maintain seed treatment machinery and equipment operational records 3.3 Report malfunctions, faults and observation of irregular performance of seed treatment machinery and equipment 3.4 Clean, secure and store seed treatment machinery and equipment

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 AHCSPO305A Operate seed treatment machinery.

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 AHCSPO305 Operate seed treatment machinery

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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:

- set up and prepare seed treatment machinery for use
- calculate, calibrate and measure dose rates
- formulate a chemical mix to achieve the best treatment
- operate seed treatment machinery and equipment
- complete and report on seed treatment machinery and equipment operation

Knowledge Evidence

The candidate must demonstrate knowledge of:

- principles and practices for operating seed treatment machinery
 - basics of programmable logic controller/treatment control systems and electrical process
 - chemical types and classes
 - difference between coating and pelleting [<5% weight gain film coating (insecticide/fungicide) or >5% weight gain is pelleting]
 - disposal of waste chemical
 - hazards of chemicals
 - labelling requirements associated with coated seed
 - methods of applying chemical and basic recipe formula
 - methods of applying powders
 - personal protective equipment (PPE)
 - procedures for drying, scalping and aspiration of treated seed
 - rules and regulations for storage, transportation and bunding
 - the expectations and limitations of different types of seed coating machines

- the interaction of biological components and their effect on other chemicals, powders, polymers and heat
- the use and differences in biological components in seed coatings
- types of seed treatment machinery and equipment

Assessment Conditions

Assessors must satisfy current standards for RTOs.

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