



Australian Government

Assessment Requirements for AHCSP0310 Treat planting seed

Release: 1

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Modification History

Release	Comments
Release 1	This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 7.0.

Performance Evidence

An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit.

There must be evidence that the individual has on at least one occasion treated seed using seed treatment machinery and equipment and has:

- prepared the seed resources and machinery for treatment
- set up and prepared seed treatment machinery
- calculated, calibrated and measured dose rates
- formulated chemical mix to achieve treatment goals according to specifications
- maintained safe and efficient seed storage during processing
- fitted and used PPE
- operated seed treatment machinery and equipment safely, efficiently and according to manufacturer specifications
- cleaned and stored machinery, equipment according to workplace, and environmental procedures
- maintained and reported seed treatment operations according to workplace procedures
- updated records.

Knowledge Evidence

An individual must be able to demonstrate the knowledge required to perform the tasks outlined in the elements and performance criteria of this unit. This includes knowledge of:

- principles and practices for operating seed treatment machinery, including:
 - basics of programmable logic controller/treatment control systems and electrical process
 - drying, scalping and aspiration of treated seed
 - expectations and limitations of different types of seed coating machines
 - interaction of biological components and their effect on other chemicals, powders, polymers and heat
 - use and differences in biological components in seed coatings

- types of seed treatment machinery and equipment
- seed treatments their purpose and application, including:
 - chemical types and classes
 - difference between coating and pelleting which includes <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
- workplace health and safety considerations in the seed treatment process, including personal protective equipment (PPE)
- rules and regulations for storage, transportation and bunding.

Assessment Conditions

Assessment of the skills in this unit of competency must take place under the following conditions:

- physical conditions:
 - skills must be demonstrated in a seed processing plant, a farm or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - seed treatment machinery
 - seed treatment consumables, materials and chemicals
 - tools and equipment for calibration and adjustments
 - use of personal protective equipment
- specifications:
 - workplace procedures
 - manufacturer operating instructions for equipment
 - workplace instructions and specifications
 - safety data sheets (SDS)
- relationships:
 - supervisor

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.

Links

Companion Volumes, including Implementation Guides, are available at VETNet: - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72>