



Australian Government

Assessment Requirements for FWPNSY3005 Maintain seed orchard

Release: 1

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Modification History

Release	Comments
Release 1	This version released with FWP Forest and Wood Products 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 applied silvicultural techniques to maintain one seed orchard.

In undertaking this activity, the individual has:

- applied each of the following sward maintenance activities as required:
 - mowing
 - fertiliser application
 - weed control
 - promotion of pollinators
- applied each of the following seed orchard maintenance and genetic improvement activities as required:
 - fungi and pest control
 - watering and fertilising
 - roguing
 - thinning and pruning
 - flower induction
 - frost mitigation
 - cutting and grafting
- complied with workplace safety and environmental requirements, including use of personal protective equipment (PPE) and safe use of chemicals \
- recorded outcomes of all sward maintenance and seed orchard maintenance according to workplace procedures.

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:

- seed orchards:
 - types of seed orchards – clonal and seedling seed orchards
 - size and longevity of seed orchards
 - factors influencing location of seed orchards
 - establishment of seed orchards
 - spacing of trees in seed orchards
 - principles of seed orchard design
 - seed orchard plan
 - pollination in seed orchards
- PPE, tools and equipment used in seed orchard maintenance
- safe use of chemicals
- risk and hazards associated with seed orchard maintenance
- seed orchard maintenance and genetic improvement activities:
 - fungi and pest control measures
 - watering and fertilising
 - roguing
 - thinning and pruning
 - flower induction
 - frost mitigation
 - cutting and grafting
- sward maintenance activities:
 - mowing
 - fertiliser
 - weed control
 - promoting pollinators.

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 forest work environment or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - seed orchard
 - PPE, tools and equipment used in seed orchard maintenance
 - seed orchard plan

- specifications:
 - workplace health, safety and environmental policies and procedures applicable to seed orchard maintenance.

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=0d96fe23-5747-4c01-9d6f-3509ff8d3d47>