



Australian Government

Assessment Requirements for FWPNSY3003 Apply knowledge of tree stock growing in a forest nursery

Release: 1

Assessment Requirements for FWPNSY3003 Apply knowledge of tree stock growing in a forest nursery

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 knowledge of tree stock growing in a forest nursery.

In undertaking this activity, the individual has:

- prepared and communicated information to nursery staff on the production cycle of bare root and container grown cuttings and seedlings
- collated and assessed information on the impact of two tree stock conditioning practices on seedling characteristics and quality
- collated and assessed information on the impact of tree stock topping and re-topping practices on seedling characteristics and quality
- followed operational, workplace health and safety and environmental protection procedures, including the use of personal protective equipment (PPE), in inoculating one seedbed with mycorrhizae.

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:

- key stages and timing of the production cycle of bare root cuttings and seedlings
- key stages and timing of the production cycle of container grown cuttings and seedlings in a forest nursery
- tree stock conditioning:
 - techniques
 - prerequisites for effective tree stock conditioning – seed sowing times and seed spacing
 - tree stock conditioning principles
- tree stock topping principles:

- topping techniques
- impact of topping either before or after undercutting on fibrous root development
- impact of re-topping on bud and shoot development
- impact of topping severity on seedling malformation
- mycorrhizal fungi:
 - types of mycorrhizal fungi
 - association of mycorrhizal fungi with softwood and hardwood species
 - the mechanism of mycorrhizal association and its importance to tree health
 - seed bed inoculation techniques
 - operational, workplace health and safety and environmental protection procedures, including the use of PPE, for inoculating seedbeds with mycorrhizae.

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 tree production work environment or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - PPE, tools, equipment and materials required for inoculating seedbeds with mycorrhizae
 - forest tree nursery.

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>