

LANH5

Prepare and establish propagation material



Overview

This standard is for anyone whose role it is to carry out the preparation and establishment of propagation material through vegetative methods.

It covers the preparation of the propagation material, establishing the propagation material in a growing environment and providing aftercare to sustain and promote plant development.

You will be working in accordance with instructions and specifications.

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Performance criteria

You must be able to:

- P1 carry out all work in accordance with instructions and specifications
- P2 prepare, use and maintain equipment in a safe, clean and effective condition throughout
- P3 use the required growing medium in accordance with specifications
- P4 prepare and treat propagation material in accordance with specifications
- P5 handle plant material in a manner that minimises damage and wastage and optimises growth
- P6 position propagation material in the growing medium in accordance with specifications
- P7 label propagation material in accordance with specifications
- P8 provide propagation material with a suitable growing environment in accordance with specifications
- P9 complete activities to sustain and promote plant development after propagation and in accordance with specifications
- P10 maintain suitable levels of hygiene and biosecurity
- P11 deal with waste safely and correctly in accordance with instructions
- P12 complete records as appropriate
- P13 carry out all work in accordance with relevant environmental and health and safety legislation, risk assessment requirements, codes of practice and company policies

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Knowledge and understanding

You need to know and understand:

- K1 the importance of completing the activity in accordance with specifications
- K2 how to prepare, use and maintain equipment in a safe and effective condition
- K3 how to prepare and treat propagation material in accordance with specifications
- K4 the different propagation methods
- K5 how to establish propagation material in the growing media in accordance with specifications
- K6 the ways in which plant material should be handled
- K7 the types of growing environments
- K8 the importance of aftercare
- K9 methods for sustaining and promoting plant development following propagation
- K10 the use of hormone treatments to encourage rooting
- K11 the stages of plant development
- K12 the requirements for labelling
- K13 the importance of maintaining hygiene and biosecurity when preparing and establishing propagation material
- K14 how to handle, transport and dispose of waste in accordance with legal and organisational requirements
- K15 the records which need to be completed
- K16 your responsibilities under current environmental and health and safety legislation, codes of practice and company policies

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Glossary

Propagation material:

- seedlings
- rooted cuttings
- unrooted cuttings
- divisions

Preparation methods:

- trimming of cuttings
- trimming of divisions
- preparation of stocks
- trimming of scions

Aftercare:

- provision of water
- provision of nutrients
- temperature control
- humidity control
- removal of diseased material
- training or trimming to promote appropriate growth formation
- subculturing

Specifications: drawings, schedules, method statements, Standard Operating Procedures (SOPs), manufacturers' guidelines.

Instructions: verbal or written.

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