

LANH6 - SQA Unit Code H53H 04

Co-ordinate the preparation and establishment of propagation material



Overview

This standard is for those whose role it is to co-ordinate the preparation and establishment of propagation material through vegetative methods. You will have responsibility for the coordination of the preparation of the propagation material, establishing the propagation material in a growing environment and providing aftercare to sustain and promote plant development.

This standard covers the coordination of your own work load, it may in some instances involve coordinating the work of teams.

You will have considerable knowledge of plant growth and development.

LANH6 - SQA Unit Code H53H 04

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Performance criteria

You must be able to:

- P1 assess the risks associated with the site and the required activity
- P2 ensure the working methods for preparing and establishing propagation material are established and clearly communicated
- P3 co-ordinate propagation in line with specifications
- P4 identify and establish the availability of resources required for the preparation and establishment of propagation material
- P5 ensure equipment is used and maintained in a safe and effective condition
- P6 establish measures to maintain suitable levels of hygiene and biosecurity
- P7 establish measures for the recycling or disposal of waste in accordance with legal and organisational requirements
- P8 ensure growing media have been prepared in accordance with specifications
- P9 ensure propagation materials meet specification requirements and are of suitable quality
- P10 ensure propagation materials are prepared and treated in the appropriate way
- P11 ensure plant and propagation material is handled in a manner which minimises damage and wastage and optimises growth
- P12 ensure establishment methods meet specifications
- P13 ensure plant material is provided with a suitable environment
- P14 plan and prepare a suitable programme of aftercare
- P15 ensure appropriate records are completed as required by relevant legislation and the organisation
- P16 ensure that environmental and health and safety policies and risk assessment requirements are put into practice across your area of responsibility

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Knowledge and understanding

You need to know and understand:

- K1 how to identify hazards and assess risks
- K2 how to interpret risk assessments
- K3 the effective and efficient use of resources when carrying out preparation and establishment of propagation material
- K4 the equipment required for the job and how to ensure that it is used and maintained in a safe and effective condition and stored securely
- K5 methods of maintaining hygiene and biosecurity and the reasons why it is important
- K6 the legal and organisational requirements for the handling, transporting and disposal of waste
- K7 the importance of ensuring that the activity is completed in accordance with specifications
- K8 how to recognise material that does not meet specifications or is not of suitable quality and the action to take
- K9 appropriate methods used for preparing different types of propagation material
- K10 the importance of handling propagation material correctly
- K11 the role of hormone treatments to encourage rooting or meristem development
- K12 how timing is important for successful propagation
- K13 appropriate methods used for the establishment of different types of propagation material
- K14 environmental conditions required for growth
- K15 stages of plant development
- K16 methods of providing aftercare
- K17 the importance of maintaining effective communication with those involved in the work
- K18 appropriate records to be kept and their significance
- K19 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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