

LANHCU63 - SQA Unit Code F7SA 04

Assist with the vegetative propagation of plants



Overview

This unit describes the standards expected of anyone whose role it is to assist with the vegetative propagation of plants. The term assist with is used to indicate that you will be working under supervision.

The elements are:

1. Assist with collecting propagation material
2. Assist with preparing propagation material
3. Assist with establishing propagation material in a growing environment

You will be involved in carrying out the propagation of plants. This will involve collecting and preparing propagation material, and establishing propagation material in a growing environment. Preparation of the propagation material will include making cuttings and divisions. Activities to sustain plant development will include watering and the removal of diseased material. The growing environment may be indoors or outdoors.

There is no requirement for you to work with crops other than those produced in the enterprise. In some enterprises this will be one type of crop in others there will be a variety of crops that you must work with.

Performance criteria

You must be able to:

Assist with collecting propagation material

- P1 use and maintain **equipment** in a safe, clean and effective condition throughout
- P2 correctly identify plants from which material is to be collected
- P3 handle plant material in a manner which minimises damage and wastage
- P4 use methods for collecting the propagation material in accordance with instructions
- P5 ensure the collected material meets the requirements of the propagating programme
- P6 store collected material in accordance with instructions
- P7 ensure your working methods promote health and safety and are consistent with relevant legislation and codes of practice throughout
- P8 dispose of waste safely and in accordance with instructions and legal requirements.

You must be able to:

Assist with preparing propagation material

- P9 prepare and maintain the necessary **equipment** in a fit state for use
- P10 handle plant material in a manner which minimises damage and wastage, and optimises growth
- P11 use equipment and materials in a safe and correct manner
- P12 prepare and treat propagation material in accordance with instructions
- P13 ensure your working methods promote health and safety and are consistent with relevant legislation and codes of practice throughout
- P14 dispose of waste safely and in accordance with instructions and legal requirements.

You must be able to:

Assist with establishing propagation material in a growing environment

- P15 prepare and maintain the necessary equipment and materials for the work in fit state for use
- P16 prepare the rooting medium in accordance with instructions
- P17 handle plant material in a manner which minimises damage and wastage, and optimises growth
- P18 position propagation material in the rooting medium in accordance with instructions
- P19 place propagation material in the appropriate growing environment in accordance with instructions
- P20 complete **activities** to sustain and promote plant development after propagation in accordance with instructions
- P21 ensure your working methods promote health and safety and are consistent with relevant legislation and codes of practice throughout.

Knowledge and understanding

You need to know and understand:

Assist with collecting propagation material

- K1 the maintenance and safe use of equipment
- K2 the crop(s) which is/are produced within the enterprise
- K3 recognition (and naming) of plants from which propagation materials are taken
- K4 the ways in which plant material should be handled
- K5 reasons for collecting propagation material
- K6 method(s) for collecting propagating material and the requirements of the propagating programme
- K7 methods of storing the material prior to use
- K8 the length of storage which is appropriate
- K9 health and safety requirements during work activities
- K10 safe disposal of waste materials.

You need to know and understand:

Assist with preparing propagation material

- K11 the maintenance, preparation and safe use of equipment
- K12 the ways in which plant material should be handled
- K13 reasons for preparing propagation material
- K14 methods used for preparing cuttings and divisions
- K15 why vegetative methods are used
- K16 methods used in treating prepared propagation material
- K17 health and safety requirements during work activities
- K18 the need for hygiene throughout the propagating process
- K19 safe disposal of waste.

You need to know and understand:

Assist with establishing propagation material in a growing environment

- K20 the maintenance, preparation and safe use of equipment
- K21 instructions for preparing rooting medium and establishing propagation material
- K22 the types of rooting media in use within the enterprise
- K23 the ways in which plant material should be handled
- K24 correct positioning of propagation material in rooting medium
- K25 the types of growing environments in use
- K26 health and safety requirements during work activities
- K27 the need for hygiene throughout the rooting process.

Additional Information

**Scope/range
related to
performance
criteria**

Assist with collecting propagation material

1. **Equipment:**
 - 1.1. cutting equipment
 - 1.2. containers for storage and transport of material.

Assist with preparing propagation material

2. **Equipment:**
 - 2.1. cutting equipment
 - 2.2. containers for storage and transportation of material.

Assist with establishing propagation material in a growing environment

3. **Activities:**
 - 3.1. watering
 - 3.2. removal of diseased or damaged material.

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