

LANH9 SQA Unit Code H53N 04

Establish crops or plants

Overview

This standard covers the establishment of plants or seeds in protected conditions or outdoors. The types of plants and planting methods will depend on the type of site or project within which you work. Planting may be into a wide variety of growing media which could include soil, hydroponics, matting, compost or other growing media as appropriate. This includes planting plants and seeds in any horticulture setting, whether amenity (green roofs, gardens, sports turf etc) or production (fruit, vegetable, trees etc).

You will set out plants or seeds in the appropriate growing medium according to requirements (this could be production or project requirements), at an acceptable speed (could be commercial) while maintaining quality. Following planting moisture, support and protection may be required to allow the plants or seeds to establish themselves within the growing medium.

The identification of plant material to meet specification will include the need to identify plants by the common and botanical names. As well as knowledge of common and botanical names this standard will also cover grouping of different plants.

If you are required to use chemicals (e.g. herbicides, fungicides or insecticides), these are subject to legislative requirements, and you will need to be in possession of the relevant qualifications or be under the direct supervision of someone who possesses the relevant qualification.

LANH9 SQA Unit Code H53N 04

Establish crops or plants

Performance criteria

You must be able to:

- P1 assess the risks associated with the site and the proposed works
- P2 prepare the site to meet specifications
- P3 select plant material appropriate to the specifications
- P4 check the health of plant material before planting, and reject unacceptable specimens
- P5 ensure the growing medium is in a suitable condition for planting
- P6 appropriately position the plant material within the growing medium in accordance with the specifications
- P7 maximise the health, vigour and physical condition of plant material through handling and planting methods
- P8 provide protection and support appropriate to the crop or plant
- P9 provide crops or plants with appropriate aftercare where required
- P10 ensure the integrity of the site is maintained
- P11 make the site good when your work is finished, and dispose of waste and excess materials safely to minimise environmental risk and in accordance with legal requirements
- P12 ensure equipment is used and maintained in a safe, clean and effective condition throughout
- P13 maintain environmental and health and safety legislation, codes of practice and organisational policy

LANH9 SQA Unit Code H53N 04

Establish crops or plants

Knowledge and understanding

You need to know and understand:

- K1 how to identify hazards and assess risks
- K2 how to interpret specifications and plans
- K3 principles of marking and setting out
- K4 stages of plant development
- K5 how to identify plant material to meet specifications
- K6 indications that plant material is unsuitable for planting
- K7 the principles of selecting and combining plant types for different applications
- K8 how to identify types of growing medium and their relationship to plant growth and development
- K9 methods of preparing growing media for planting
- K10 the correct spacing, depth, orientation and firmness of crops or plants which are grown
- K11 the factors affecting the timing and method of planting
- K12 the causes of damage and how to prevent them
- K13 the methods of assessing the health and condition of the crop or plant
- K14 methods of support and protection and how to apply them
- K15 the initial maintenance requirements to ensure effective establishment of crops or plants
- K16 how to select, prepare and use tools, equipment and materials relevant to the specifications
- K17 your responsibilities under current environmental and health and safety legislation and codes of practice

LANH9 SQA Unit Code H53N 04

Establish crops or plants

Glossary

Plants include grass, woody plants, herbaceous, bedding plants, seeds, crops and sedums.

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

Instructions can be verbal or written.

LANH9 SQA Unit Code H53N 04

Establish crops or plants

Developed by Lantra

Version number 1

Date Approved March 2012

Indicative review date March 2017

Validity Current

Status Original

Originating organisation Lantra

Original URN LANL19; LANL2; LANPH2

Relevant occupations Gardener; Landscaper; Plant Propagator; Nursery Worker; Greenkeeper; Groundsman; roofers fortifiers and slaters

Suite Horticulture; Apply water proof membrains

Keywords sseds; bedding plants; grass; sedums; woody; amenity; production, vegetables; fruit; green roofs; site; garden; nursery