

# LANH10 – SQA Unit Code H51R 04

## Co-ordinate the planting of crops or plants



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### Overview

This standard covers the co-ordination of planting crops or plants in outdoor or protected conditions

This standard is for those whose work role is to co-ordinate the planting of crops or plants outdoors or in protected conditions. It is applicable to planting by hand or by machine.

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

This includes planting crops or plants in any horticulture setting, whether amenity (green roofs, gardens, sports turf etc) or production (fruit, vegetable, trees etc).

The identification and establish the availability of resources required for planting 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.

You will require considerable knowledge of the principles and methods of planting operations.

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### Performance criteria

*You must be able to:*

- P1 assess the risks associated with the site and the required activity
- P2 carry out an environmental assessment of the site before starting work
- P3 confirm conditions for planting are optimum
- P4 ensure the necessary working methods for planting are established and clearly communicated
- P5 ensure that planting takes place at the appropriate time to optimise plant growth and development
- P6 identify and establish the availability of resources required for planting
- P7 establish measures for the recycling or disposal of waste in accordance with legal and organisational requirements
- P8 establish measures to maintain suitable levels of hygiene and biosecurity
- P9 ensure the quality of the plant material and work methods meets specifications
- P10 ensure the plant material is prepared according to specifications
- P11 ensure plants are positioned within the growing medium according to specifications
- P12 ensure plant material is handled in a manner which optimises establishment, growth and development, and prevents damage
- P13 ensure the integrity of the site is maintained
- P14 assess the need to apply plant protection
- P15 ensure appropriate records are completed as required by relevant legislation and the organisation
- P16 your responsibilities under current environmental and health and safety legislation, codes of practice and company policies

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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 importance of carrying out an environmental assessment of the site before starting work and the findings which may affect planting work
- K4 the planting requirements to meet optimum conditions
- K5 the working methods for carrying out planting
- K6 the types and quantity of equipment and material required for planting operations
- K7 the effective and efficient use of resources when carrying out planting
- K8 specifications and timescales for planting operations
- K9 the role of crop rotation
- K10 stages of plant development
- K11 how to identify problems with the quantity of plant material and the appropriate actions to take
- K12 how to identify problems with the quality of work methods and the appropriate actions to take
- K13 how to identify weeds, pests and diseases and the actions to take
- K14 methods for preparing plant material
- K15 the correct positioning of the plants in the growing medium
- K16 correct methods for handling and transporting plant material
- K17 methods of maintaining hygiene and biosecurity and the reasons why it is important
- K18 problems which may occur during planting and the action to take
- K19 the legal and organisational requirements for the handling, transporting and disposal of waste
- K20 the importance of maintaining effective and appropriate communication
- K21 appropriate records to be kept and their significance
- K22 your responsibilities under current environmental and health and safety legislation, codes of practice and company policies

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### Glossary

#### Position:

- density
- depth
- mix
- orientation
- firmness

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

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**Developed by** Lantra

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**Validity** Current

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**Status** Original

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**Originating organisation** Lantra

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**Original URN** LANPH7

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**Relevant occupations** Gardener; Landscaper; Nursery Worker; Fruit and Vegetable Production Worker; roofers fotifiers and slaters

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**Suite** Horticulture; Apply waterproof membrains

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**Keywords** crops; plants; planting; fruit; vegetable; shrubs; green roofs