

# LANH15 SQA Unit Code H51W 04

## Co-ordinate the provision of nutrients to crops or plants

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### Overview

This standard is for those whose work role is to co-ordinate the provision of nutrients to crops or plants outdoors or in protected conditions.

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

You will require considerable knowledge of the principles of plant growth and development as well as plant health.

If you are working with chemicals or machinery you need to be appropriately trained or certificated in line with current legislation.

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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 providing nutrients to plants are established and clearly communicated
- P3 identify and establish the availability of resources required for the provision of nutrients to crops
- P4 ensure equipment is used and maintained in a safe and effective condition
- P5 establish measures to maintain suitable levels of hygiene and biosecurity
- P6 establish measures for the recycling or disposal of waste in accordance with legal and organisational requirements
- P7 effectively monitor the growth and development of the plants in accordance with specifications
- P8 assess plant condition and identify the nutrients required in accordance with specifications
- P9 implement the application of nutrients in accordance with specifications
- P10 recognise problems with the provision of nutrients to plants and take the appropriate action
- P11 ensure appropriate records are completed as required by relevant legislation and the organisation
- P12 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 importance of ensuring that the activity is completed in accordance with specifications
- K4 the equipment required for the job and how to ensure that it is used and maintained in a safe and effective condition
- K5 the effective and efficient use of resources when providing nutrients to crops
- K6 methods of maintaining hygiene and biosecurity and the reasons why it is important
- K7 the legal and organisational requirements for the handling, transporting and disposal of waste
- K8 methods of providing nutrients to plants
- K9 the ways of checking that the correct quantity of nutrients are available to plants
- K10 the stages of plant development
- K11 why fertilisers are important and the role of the main major and trace elements e.g. nitrogen and iron
- K12 different forms of fertilisers available and the appropriate use of each
- K13 fertiliser requirements for different groups of plants e.g. leafy vegetables and fruiting plants
- K14 problems which may occur and the action to take
- K15 the importance of maintaining effective communication with those involved in the work
- K16 appropriate records to be kept and their significance
- K17 your responsibilities under current environmental and health and safety legislation, codes of practice and company policies

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### Glossary

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

**Instructions:** verbal or written.

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**Originating organisation** Lantra

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**Relevant occupations** Horticultural Technician; Nursery Worker; Fruit and Vegetable Production Worker

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**Suite** Horticulture

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