

LANCS32 SQA Unit Code H59D 04

Plan and manage the control of weeds, pests, diseases and disorders

Overview

This standard covers the planning and management of control measures for weeds, pests, diseases and disorders. It involves assessing the need for control, planning the control measures, implementing plans, and reviewing their effectiveness.

This standard does not cover the work carried out by a specialist adviser who will usually have advised beforehand which control measures should be used and how they might be implemented.

This standard covers the use of organic or non-organic control measures.

You must carry out your work in a way which will consider any impact on the natural environment.

Anyone working with chemicals or machinery needs to be appropriately trained in line with current legislation, and hold a relevant award where appropriate.

This standard is suitable for anyone with responsibility for managing the control of weeds, pests, diseases and disorders in crops.

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Performance criteria

- You must be able to:*
- P1 establish measures to collect information on the presence of weeds, pests, diseases and disorders
 - P2 identify the extent of any problems and the need for control measures based on the available information
 - P3 seek specialist advice where required
 - P4 assess the costs, risks and likely effectiveness of relevant control measures
 - P5 carry out any necessary consultations in the appropriate way
 - P6 produce plans which contain all of the necessary information for the safe and effective use of the chosen control measure
 - P7 check that the required resources are available for the implementation of plans
 - P8 prior to implementing the plan ensure the choice of control measure is still appropriate
 - P9 communicate the plans clearly to those who need to be informed
 - P10 manage the implementation of the plan and put systems in place to deal with operational problems
 - P11 review the effectiveness of the plan and assess whether further action is required
 - P12 ensure that environmental and health and safety policies and risk assessment requirements are put into practice across your area of responsibility
 - P13 ensure appropriate records are maintained as required by relevant legislation and the organisation

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Knowledge and understanding

You need to know and understand:

- K1 the weeds, pests, diseases and disorders which are significant in your industry
- K2 the nature of the problem in terms of what it could do to the site and how fast it could develop
- K3 the impact of season and weather conditions
- K4 the importance of carrying out an environmental assessment of the site before starting work and the findings which may affect proposed work
- K5 the circumstances when no intervention may be the best course of action
- K6 integrated pest management and its advantages and disadvantages
- K7 the reasons why it may be important to obtain specialist advice and the sources of such advice
- K8 how weeds, pests, diseases and disorders can be managed and controlled in accordance with different farming production systems
- K9 the range of control measures available and the optimum timing for their use
- K10 the costs, risks and potential benefits of the various control measures
- K11 the importance of choosing the optimum control measure
- K12 the resources required for the work
- K13 the relevant individuals, groups and organisations who need to be informed of your plan
- K14 the importance of maintaining effective communication with those involved in (or affected by) the work
- K15 the actions to take in response to concerns or problems with the plan
- K16 the importance of monitoring and reviewing the plan
- K17 how and when to assess if the plan has achieved the desired result
- K18 the reasons why further action may be required and how to modify the plan accordingly
- K19 how to recognise hazards and carry out risk assessments
- K20 risk management methods
- K21 your responsibilities under relevant environmental and health and safety legislation, codes of practice and company policies
- K22 appropriate records to be kept and how long they should be retained

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Glossary

Specifications;

- schedules
- method statements
- Standard Operating Procedures (SOPs)
- manufacturers' guidelines
- customer requirements
- crop requirements

Control measures:

- mechanical
- chemical
- cultural
- biological

Individuals, groups and organisations:

- employees
- local community
- organisations bordering the site
- other interested parties

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Developed by	Lantra
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Date approved	January 2013
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Validity	Current
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Status	Original
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Originating organisation	Lantra
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Relevant occupations	Estate Worker; Ranger; Access Officers; Manager of Volunteers; Conservation Officers; Ecologists; Farmer; Farm Manager; Agricultural Technical Advisor; Horticultural Production Manager; Park Manager
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Suite	Crofters and Small holders; Environmental Conservation; Horticulture; Agricultural Management
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Key words	insects; weeds; pests; diseases; disorders; control measures; biological; cultural; chemical; crops; plants
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