

LANTw60

Produce charcoal in a woodland



Overview

This standard covers the knowledge and skills required to prepare and produce charcoal in a woodland. It covers identifying suitable wood species to make charcoal, locating the site for a kiln, burning and preparing the charcoal for its market

This standard is for a person who is producing charcoal in a woodland setting

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Performance criteria

- You must be able to:*
- P1 assess the risks associated with the site and the proposed works
 - P2 select and implement appropriate working method in accordance with the assessed risks
 - P3 ensure the safety of the public and other workers in the vicinity of the work area
 - P4 identify and prepare a suitable site for the kiln
 - P5 wear appropriate protective clothing throughout the process
 - P6 identify the wood species to be burnt
 - P7 check the wood is dry enough to be burnt
 - P8 determine the amount of wood to be burnt to meet the required output of charcoal
 - P9 prepare wood appropriately for the type of burn
 - P10 prepare and ignite kiln
 - P11 maintain and control the burn to ensure the quality of the charcoal produced
 - P12 grade and bag the charcoal
 - P13 remove all waste and surplus materials and dispose of them as specified
 - P14 carry out work in a way which minimises environmental damage
 - P15 maintain the health and safety of yourself and others at all times in accordance with current legislation

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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 target markets for charcoal
- K4 the type of ground that is best suited to site a kiln
- K5 different types of charcoal kiln and methods of loading and lighting
- K6 the characteristics of wood species and the effect of species on the quality of charcoal produced
- K7 how long wood should be dried prior to burning and how this varies between species
- K8 how wood is stacked has an impact on the efficient drying
- K9 the reduction in weight and volume of cord wood burnt for charcoal
- K10 the impact of moisture content, species and value of timber and the burning process
- K11 the changes that occur throughout the burning process
- K12 methods of controlling the burn process
- K13 the significance of the smoke colour at different stages
- K14 other uses for dust/fines
- K15 how to store a kiln in long periods of non-use
- K16 correct methods of disposing of surplus materials and/or waste
- K17 the potential impacts of your work on the environment and how these can be minimised
- K18 your responsibilities under current environmental, health and safety legislation and codes of practice

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