LANTw69
Forecast production of forest and woodland products and make recommendations

Overview

This standard is to assess the likely yields of both wood and non-wood crops, and present these in short-term, medium-term and long-term production plans

You will need to be able to take appropriate measurements and apply forest and woodland mensuration techniques, yield class tables and yield models to wood and non-wood products

This standard is for those who are conducting a report on the yield of a forest or woodland

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Performance criteria

You must be able to:

P1 assess the sustainable yield based the woodland or forest inventory

P2 set the thinning cycle and intensity to achieve a sustainable yield in both a practical silvicultural and cost effective way

P3 formulate production plans and forecasts consistent with the available data, the organisation's policies and realistic projections

P4 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 forest and woodland tree species

K2   how to use forest and woodland mensuration techniques

K3   how to assess Windthrow Hazard Classification (WHC)

K4   how to measure standing timber

K5   how to assess the silvicultural requirements of the crop

K6   how to analyse cost effective ways of achieving sustainable yield

K7   how to smooth peaks and troughs in production

K8   the effects on crops of under/over-thinning, thinning and non-thinning, late or early thinning

K9   factors affecting rotation length

K10   the effects on yields of species mixtures

K11   factors affecting the decision to thin or not to thin

K12   methods and models of identifying sustainable yields

K13   selection of yield model

K14   legislative and organisational environmental and conservation requirements and the records required

K15   your responsibilities under current environmental and health and safety legislation

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Glossary

Non-wood products could include any of the following: seeds and cones, moss, foliage, harvesting residues

In forest nurseries, the non-wood products may include a range of young trees at different stages of growth, bare root, or in containers etc

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