LANTw69 - SQA Unit Code H2RB 04
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 on 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.