

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

LANTw69 - SQA Unit Code H2RB 04

Forecast production of forest and woodland products and make recommendations

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

LANTw69 - SQA Unit Code H2RB 04

Forecast production of forest and woodland products and make recommendations

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

LANTw69 - SQA Unit Code H2RB 04

Forecast production of forest and woodland products and make recommendations

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

LANTw69 - SQA Unit Code H2RB 04

Forecast production of forest and woodland products and make recommendations

Developed by Lantra

Version number 1

Date approved December 2011

Indicative review date January 2016

Validity Current

Status Original

Originating organisation Lantra

Original URN O29NCU101

Relevant occupations Arboriculture and forestry; Coppicing;

Suite Treework

Key words Forest; woodland; forecast; production; recommendations
