



**ATLAS**

# **Yield Table Manager**

Forest Yield Information Software  
Providing Yields for Harvest Scheduling and Planning



**Creates area-weighted composite yield tables**

**Applies thresholds and re-grading rules**

**Aggregates and manages grades at multiple levels**

**Converts between volume, weight, JAS and carbon**

## Product Overview

ATLAS Yield Table Manager provides the forest manager with tools to ensure that yield tables are used efficiently and reliably throughout the organisation. The system is designed to bridge the gaps between tactical and operational planning by providing a centralised source of yield information and all the necessary tools for strategic planners and valuers, harvesting and tactical planners, operational harvest schedulers, forest and business analysts, and management.

## Sourcing Yield Tables

Yield tables that are produced from cruising forest stands can be directly exported to ATLAS Yield Table Manager from ATLAS Cruiser, or entered as CSV files or spreadsheets from other applications eg MARVL V3. Yield tables created by resource analysts from growth simulations can also be directly incorporated in ATLAS Yield Table Manager if ATLAS Forecaster has been used, or from CSV files and spreadsheets derived from other applications.

## Yield Table Utilities

It is possible to link yield tables to spatial entities such as stands, harvest areas, or assessment areas using a GIS. Sometimes it is necessary to determine yields from areas that are not linked to a single yield

table. An area-weighted average yield table can be constructed from existing tables. Thresholds can be set for marketable quantities of logs occurring in a grade, resulting in regrade where volumes are insufficient. Re-grading can also be applied to adjust the original yield table to the mix of logs likely to be realised, using a specified set of rules. ATLAS Yield Table Manager can create new yield tables for planning grades by aggregating the actual grades in. Yield tables can be converted to different units, for example JAS m<sup>3</sup>/ha, tonnes/ha, or carbon/ha. Given a sparse yield table or a table with gaps at certain ages, yield values can be interpolated between ages or extrapolated to zero.

## Yield Table Manager Integration

Integration between ATLAS modules enables information from one application to be accessed or presented within another which greatly increases the power of each individual module, and the suite as a whole. Yield tables from inventory assessments can be incorporated in ATLAS Yield Table Manager, as can the yield tables produced by ATLAS Forecaster projections. Yield tables can be made available to other applications, for example through ATLAS GeoMaster for use in ATLAS Harvest Manager.

### ATLAS Yield Table Manager at a Glance

Feature:	Benefit:
Yield table accessibility.	Yield Table Manager provides managed centralised storage so yield tables are accessible throughout the organisation.
Yield tables maintenance.	Yield tables can be created, updated, renamed or deleted.
Changes tracked.	Yield Table Manager maintains an audit trail of changes.
Connections between yield tables and GIS /Geomaster?	Settings in the Harvest Area layer and Assessment layer of GIS are connected to Yield Table Manager.
Composite yield table construction.	Area-weighted average of several tables can be used to create composite tables.
Log product aggregations.	Aggregations such as planning grades are based on amalgamations of actual grades.
SED distributions.	SED distributions for each entry in a yield table can be displayed.
Conversion to different units.	Conversion factor filters convert to units such as cubic metres to tonnes, JAS etc.
Gaps in tables filled.	Age interpolation/extrapolation can be applied to fill gaps at certain ages.
User-defined attributes.	User-defined attributes (such as labels) can be added to yield tables.



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