

Philip, M. S. (1994): Measuring Trees and Forests. Second edition. CAB International, Wallingford

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Abstract

Measuring Trees and Forests

Second edition

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Forest mensuration provides data on aspects of length, mass and time of areas of forest, individual trees or parcels of felled timber. Such quantitative information is vital to sellers, buyers, planners, managers and researchers within forestry.

This book is a revision of a successful text originally published in 1983 but written for students in Africa. The new edition is international in scope and has also been changed and updated to reflect recent advances, particularly with respect to biomass and fodder measurement, sampling with unequal probabilities and growth modelling. The book covers both the theory and practice of forest mensuration and includes a number of worked examples of calculations. It is a basic textbook for students of forestry and will also be of value to practising foresters.

[forest dynamic, gap dynamic, succession](#)

[forest management](#)

[methodology: analysis, statistics](#)

[methodology: modelling](#)

Notes

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Second edition

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Sections for Advanced Students

Acknowledgements

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1.1.2. Accuracy in calculation

1.1.3. Errors of measurement and the measurement of variation

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1.2.2. Weight or volume?

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2.6. The crown

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2.6.5. Crown volume

- 2.6.6. Foliage
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 - 2.8.1. Simple expressions of growth rates
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- 2.9. Tree biomass
- 3. Measuring Tree Crops
 - 3.1. Parameters describing even-aged crops of one species
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- 7.4.1. Distance independent models
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- 7.5. Stand prediction in crops of mixed species and age

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