



Experimental Design and Analysis for Tree Improvement

By ER Williams, AC Matheson, CE Harwood



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Experimental Design and Analysis for Tree Improvement provides a set of practical procedures to follow when planning, designing and analysing tree improvement trials.

Using many fully-worked examples, it outlines how to: design field, glasshouse and laboratory trials; efficiently collect data and construct electronic data files; pre-process data, screening for data quality and outliers; analyse data from single and across-site trials using either GenStat or SAS; and interpret the results from statistical analyses.

The authors address the many practical issues often faced in forest tree improvement trials and describe techniques that will give conclusive results with the minimum expense. The techniques provided are applicable to the improvement of not only trees, but to crops in general.

Building on the success of the first edition, this new edition has been fully revised and updated to relate to the latest commercially-available software packages for design generation (CycDesigN) and data pre-processing and automated generation of programs for statistical analysis (DataPlus). For analysis, it now provides both GenStat and SAS programs as generated by DataPlus.



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Bibliography

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Editorial Review

Review

“This is a well-produced book which achieves its aim of providing a set of practical procedures to follow when planning, designing and analysing tree improvement trials.”

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