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## Sustainable management of *Pinus radiata* plantations

*Pinus radiata* (radiata pine) is a versatile, fast-growing, medium-density softwood, suitable for a wide range of end-uses. Its silviculture is highly developed, and is built on a firm foundation of over a century of research, observation and practice. Radiata pine is often considered a model for growers of other plantation species. This book explores current knowledge of, and experience with radiata pine forest plantation management and examines its long-term sustainability.

Radiata pine management needs to integrate the biological aspects of tree-growing, with socio-economics, management objectives, practical considerations and other constraints and opportunities. Although stands of radiata pine may appear to be simple, they are actually quite complex ecosystems because they contain large, long-lived trees that change dramatically over time and interact in changing ways with the environment and with other organisms.

The focus of this book is on the principles and practices of growing radiata pine sustainably. It also looks ahead to emerging challenges facing radiata pine plantation management, such as the effects of climate change, new diseases and other threats, and meeting changing product needs and societal demands.

