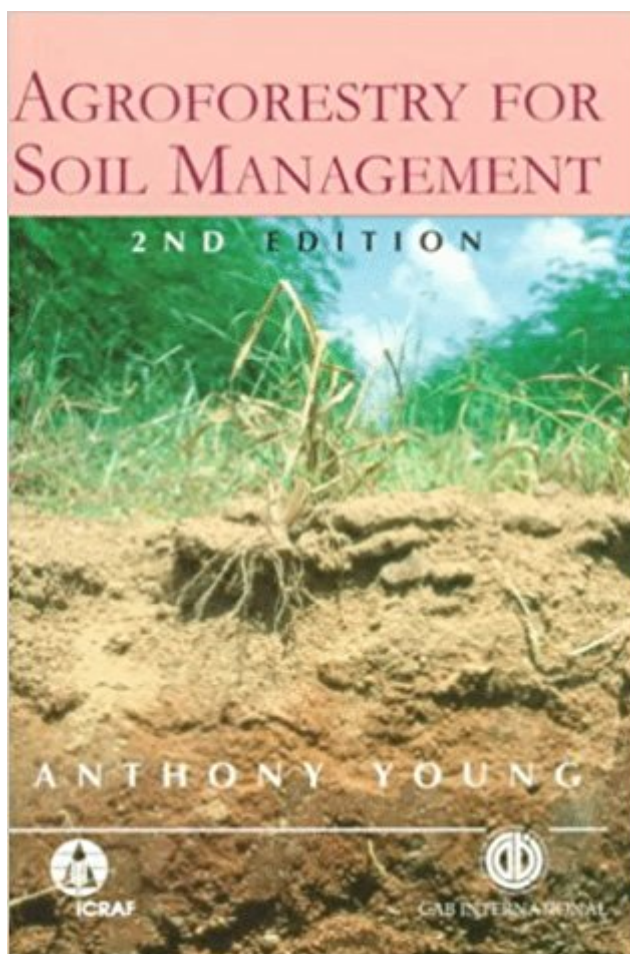


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Agroforestry For Soil Management (Cabi)



Synopsis

Agroforestry refers to land use systems in which trees or shrubs are grown in association with agricultural crops, or pastures and livestock. From its inception, it has contained a strong element of soil management. Well-designed and managed agroforestry systems have the potential to control run-off and erosion, maintain soil organic matter and physical properties, and promote nutrient cycling. By these means, agroforestry can make a major contribution to sustainable land use. The previous edition of this book, entitled *Agroforestry for Soil Conservation* (1989), was based on indirect evidence from agriculture, forestry and soil science. The present work provides a new synthesis, drawing on over 700 published sources dating largely from the 1990s. These include both results of field trials of agronomy systems, and research into the plant-soil processes which take place within them. Soil conservation in its narrower sense, the control of erosion, is treated alongside other equally important aspects of soil management, such as nutrient cycling. The new edition summarizes the present state of knowledge and indicates needs for research. It is essential reading for all concerned with agroforestry, whether as students, research scientists, or for practical purposes of development. It is also of interest to soil scientists, agronomists and foresters.

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"The body of agroforestry literature has changed our understanding so substantially since publication of the previous edition that this current volume represents a completely new synthesis,

rather than minor updating. The latter is about a third larger than the previous edition, and about four-fifths of the 700 literature citations have been published since 1989. Discussion has been expanded substantially in topics such as the role of roots, modeling, nutrient cycling and nutrient-use efficiency, and hedgerow intercropping . . . [I]mprovements ... include a significant increase in the number and quality of photographs, concise chapter summaries, and an improved index . . . The previous edition of this book has been a highly-cited and valued reference. Agroforestry for Soil Management should occupy no less a position on the shelves of teachers, students and anyone who is involved or interested in agroforestry--especially tropical agroforestry."--The Quarterly Review of Biology

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