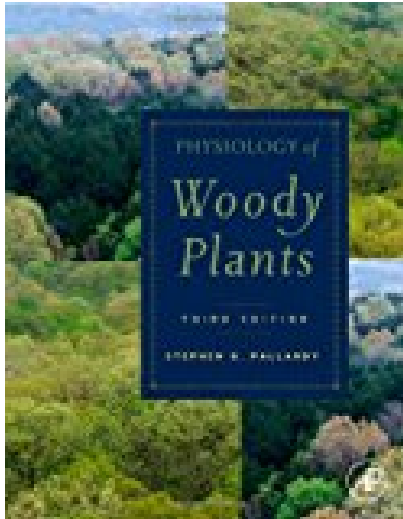


# Physiology of Woody Plants Third Edition

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## BOOK DETAILS

- Author : Stephen G. Pallardy
- Pages : 464 Pages
- Publisher : Academic Press
- Language : English
- ISBN : 0120887657

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## **BOOK SYNOPSIS**

Woody plants such as trees have a significant economic and climatic influence on global economies and ecologies. This completely revised classic book is an up-to-date synthesis of the intensive research devoted to woody plants published in the second edition, with additional important aspects from the authors previous book, Growth Control in Woody Plants. Intended primarily as a reference for researchers, the interdisciplinary nature of the book makes it useful to a broad range of scientists and researchers from agroforesters, agronomists, and arborists to plant pathologists and soil scientists. This third edition provides crucial updates to many chapters, including: responses of plants to elevated CO<sub>2</sub>; the process and regulation of cambial growth; photoinhibition and photoprotection of photosynthesis; nitrogen metabolism and internal recycling, and more. Revised chapters focus on emerging discoveries of the patterns and processes of woody plant physiology. \* The only book to provide recommendations for the use of specific management practices and experimental procedures and equipment \* Updated coverage of nearly all topics of interest to woody plant physiologists \* Extensive revisions of chapters relating to key processes in growth, photosynthesis, and water relations \* More than 500 new references \* Examples of molecular-level evidence incorporated in discussion of the role of expansion proteins in plant growth; mechanism of ATP production by coupling factor in photosynthesis; the role of cellulose synthase in cell wall construction; structure-function relationships for aquaporin proteins

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