



## Working with Dynamic Crop Models: Methods, Tools and Examples for Agriculture and Environment

By Daniel Wallach, David Makowski, James W. Jones, Francois Brun



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This second edition of *Working with Dynamic Crop Models* is meant for self-learning by researchers or for use in graduate level courses devoted to methods for working with dynamic models in crop, agricultural, and related sciences.

Each chapter focuses on a particular topic and includes an introduction, a detailed explanation of the available methods, applications of the methods to one or two simple models that are followed throughout the book, real-life examples of the methods from literature, and finally a section detailing implementation of the methods using the R programming language.

The consistent use of R makes this book immediately and directly applicable to scientists seeking to develop models quickly and effectively, and the selected examples ensure broad appeal to scientists in various disciplines.

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- 50% new content – 100% reviewed and updated
- Clearly explains practical application of the methods presented, including R language examples
- Presents real-life examples of core crop modeling methods, and ones that are translatable to dynamic system models in other fields



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