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Sommario/riassunto	This book aims at bringing out comprehensive information on cropping systems modelling in the world. The major focus of this book is to address the integration of soil, plant and environmental interactions for climate smart agriculture. This book covers aspects of application of Decision Support System for Agrotechnology Transfer (DSSAT) for climate smart agriculture. Step-by-step details of application of modelling approaches used for various cropping systems under changing climate are provided which are being adopted by farmers in

the world. The book is enriched with figures or diagrams to show the various mechanisms involved to support the decision making for climate change adaptations. Essential information is given regarding crop models calibration, evaluation and application and every individual chapter is comprised of a specific cropping system. Further contents include integration of climate models and crop models for refining the decisions for sustaining the production of various cropping systems for climate smart agriculture. This book assists the agricultural scientists involved in research regarding climate smart agriculture for improving the standards of agricultural research for ensuring food security under changing climate. This is also equally useful for policy makers being involved in future planning.