1. Record Nr. UNINA9910784122303321 Crop-soil simulation models [[electronic resource]]: applications in Titolo developing countries / / edited by Robin Matthews and William Stephens Wallingford, Oxon, UK; New York, NY, USA, : CABI Pub., c2002 Pubbl/distr/stampa **ISBN** 1-280-82966-4 9786610829668 0-85199-854-2 Descrizione fisica 1 online resource (292 p.) Altri autori (Persone) MatthewsRobin B StephensWilliam, Ph. D. Disciplina 630/.1/13 Soggetti Crops and soils - Computer simulation Crops - Computer simulation Soils - Computer simulation Crops and soils - Mathematical models Crops - Mathematical models Soils - Mathematical models Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Description based upon print version of record. Note generali Nota di bibliografia Includes bibliographical references (p. 235-265). Nota di contenuto Contributors; Abbreviations; Preface; 1 Introduction; Part 1: Models as tools in research; 2 Models as Research Tools; 3 Crop Genotype Improvement; 4 Crop Management; 5 Cropping and Farming Systems; 6 Regional and National Planning; 7 Global Level Processes; Part 2: Models as decision-support tools; 8 Decision Theory and Decision Support Systems: 9 Tools to Support Operational Decision Making: 10 Tools to Support Strategic Decision Making; 11 Why has the Uptake of Decision Support Systems been so Poor?; Part 3: Models as tools in education and training 12 Using Models as Tools in Education and TrainingPart 4: Have crop models been useful?; 13 Who are Models Targetted at?; 14 Impacts of Crop-Soil Models: Part 5: The way forward: 15 Where to Now with Crop Modelling?; 16 Concluding Remarks Robin Matthews and William Stephens; References; Appendix: Personal Communications; Index

Sommario/riassunto

The use of crop-soil modelling has so far been mainly confined to the research community. Practical applications have occurred in the areas of decision tools for irrigation studies and pest management. However, there is potential to increase its applied use. This book reviews progress.