

1. Record Nr.	UNINA9910284951103321
Titolo	Crop stress management and global climate change // edited by Jose Luis Araus and Gustavo Ariel Slafer
Pubbl/distr/stampa	Wallingford, Oxfordshire, UK ; ; Cambridge, MA, : CABI, 2011
ISBN	1-283-42581-5 9786613425812 1-84593-695-7
Descrizione fisica	1 online resource (220 p.)
Collana	CABI climate change series ; ; 2
Altri autori (Persone)	ArausJose Luis SlaferGustavo A. <1960->
Disciplina	632.1 632/.1
Soggetti	Climatic changes Crops and climate
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	""Contents""; ""Contributors""; ""Preface""; ""PART I: LOOKING AT THE PAST""; ""1 Global Change and the Origins of Agriculture""; ""PART II: PRESENT AND FUTURE CHALLENGES IN DIFFERENT AGRICULTURAL SYSTEMS""; ""2 Climate Change in Drylands: From Assessment Methods to Adaptation Strategies""; ""3 Agronomic Avenues to Maximize the Benefits of Rising Atmospheric Carbon Dioxide Concentration in Asian Irrigated Rice Systems""; ""4 Recent Changes in Pampean Agriculture: Possible New Avenues in Coping with Global Change Challenges""; ""5 Global Change Challenges for Horticultural Systems"" ""PART III: COPING WITH CLIMATE CHANGE""""6 The Impact of High CO [sub(2)] on Plant Abiotic Stress Tolerance""; ""7 Breeding to Improve Grain Yield in Water-limited Environments: the CSIRO Experience with Wheat""; ""8 Molecular Breeding for a Changing Climate: Bridging Ecophysiology and Molecular Biology""; ""9 Crop Management to Cope with Global Change: a Systems Perspective Aided by Information Technologies""; ""PART IV: INTEGRATING EFFORTS IN THE FUTURE""; ""10 The Way Ahead: From Science to Policy; Coordinating Efforts in a Global World""; ""Index""; ""A""; ""C""; ""D""; ""E""; ""F""

""G""""H""; ""I""; ""K""; ""M""; ""N""; ""P""; ""Q""; ""R""; ""S""; ""T""; ""V""; ""W""

Sommario/riassunto

Climate change is a diverse, multifactorial phenomenon, meaning that the agronomic strategies needed are case-specific and will have regional differences. This book provides an integrated view of the challenges and opportunities that will face agriculture in the future as a result of climate change. It discusses how the stresses resulting from climate change can be overcome by assessing, measuring and predicting environmental changes and stresses, identifying opportunities and adapting to change and responding to multifactorial change. Challenges and potential strategies that might be taken to
