1. Record Nr. UNINA9910299421803321

Titolo	Adapting African Agriculture to Climate Change [[electronic resource]] : Transforming Rural Livelihoods / / edited by Walter Leal Filho, Anthony O. Esilaba, Karuturi P.C. Rao, Gummadi Sridhar
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2015
ISBN	3-319-13000-5
Edizione	[1st ed. 2015.]
Descrizione fisica	1 online resource (234 p.)
Collana	Climate Change Management, , 1610-2002
Disciplina	363.7387
Soggetti	Climate change Agricultural economics Environmental management Climate Change Climate Change Management and Policy Agricultural Economics Water Policy/Water Governance/Water Management
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.
Nota di contenuto	Preface -- 1 Adapting Agriculture to Climate Change by Developing Promising Strategies Using Analogue Locations in Eastern and Southern Africa: A Systematic Approach to Develop Practical Solutions.- 2 Improving Livelihoods in Semi-Arid Regions of Africa Through Reduced Vulnerability to Climate Variability and Promotion of Climate Resilience.- 3 Climate Change Adaptation Planning in Kenya: Do Scientific Evidences Really Count? -- 4 Situation Analysis of Climate Change Aspects in Kenya -- 5 Seasonal Rainfall Variability and Drought Characterization: Case of Eastern Arid Region, Kenya.- 6 Addressing the Potential Impacts of Climate Change and Variability on Agricultural Crops and Water Resources in Pennar River Basin of Andhra Pradesh.- 7 Grain Yield Responses of Selected Crop Varieties at Two Pairs of Temperature Analogue Sites in Sub-Humid and Semi-Arid Areas of Zimbabwe.- 8 Adapting Agriculture to Climate Change: An Evaluation of Yield Potential of Maize, Sorghum, Common

Bean and Pigeon Pea Varieties in a Very Cool-Wet Region of Nyandarua County, Central Kenya.- 9 An Assessment of Gender Sensitive Adaptation Options to Climate Change in Smallholder Areas of Zimbabwe, Using Climate Analogue Analysis.- 10 Impact of Climate Change and Adaptation Measures Initiated by Farmers.- 11 In-Situ Soil Moisture Conservation: Utilization and Management of Rainwater for Crop Production.- 12 Enhancing Food Production in Semi-Arid Coastal Lowlands Kenya through Water Harvesting Technologies.- 13 Opportunities for Coping with Climate Change and Variability Through Adoption of Soil and Water Conservation Technologies in Semi-Arid Eastern Kenya.- 14 Adoption of Water Resource Conservation Under Fluctuating Rainfall Regimes in Ngaciuma/Kinyaritha Watershed, Meru County, Kenya.- 15 Effects of Integration of Irrigation Water and Mineral Nutrient Management in Seed Potato (Solanum Tuberosum L.) Production on Water, Nitrogen and Phosphorus Use Efficiencies.- 16 Integrating Farmers and Scientific Methods for Evaluating Climate Change Adaptation Options in Embu County.- 17 On-Station Evaluation of Maize Genotypes for Nutrient and Water Use Efficiency in the Semi Arid Lands of Coastal Kenya.- 18 Tomato (Lycopersicon esculentum Mill.) Yield Performance Under Elevated Dry Season Temperatures as an Adaptation to Climate Change in Tabora, Tanzania.- 19 Drought Mitigating Technologies: An Overview of Cassava and Sweetpotato Production in Mukuyuni Division Makueni District in Semi-Arid Eastern Kenya.- 20 Cassava Farming Transforming Livelihoods Among Smallholder Farmers in Mutomo a Semi-Arid District in Kenya.

Sommario/riassunto

This book summarizes the evidence from different African countries about the local impacts of climate change, and how farmers are coping with current climate risks. The different contributors show how agricultural systems in developing countries are affected by climate changes and how communities prepare and adapt to these changes.