

1. Record Nr.	UNINA9910366628503321
Autore	Dubey Pradeep Kumar
Titolo	Adaptive Agricultural Practices : Building Resilience in a Changing Climate / / by Pradeep Kumar Dubey, Gopal Shankar Singh, Purushothaman Chirakkuzhyil Abhilash
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2020
ISBN	3-030-15519-6
Edizione	[1st ed. 2020.]
Descrizione fisica	1 online resource (146 pages)
Collana	SpringerBriefs in Environmental Science, , 2191-5555
Disciplina	630
Soggetti	Agriculture Climatology Sustainability Plant ecology Environmental management Botany Climate Sciences Plant Ecology Environmental Management Plant Science
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Chapter1: Introduction -- Chapter2: Changing environmental constraints facing agricultural system -- Chapter3: Adaptive agronomic practices for sustaining food production -- Chapter4: Increasing resilience in crops for future changing environment -- Chapter5: Modelling as a tool for future climate predictions and adaptation -- Chapter6: Sustainability challenges for agricultural system and food security -- Chapter7: Farmers role in agricultural adaptation under changing climate -- Chapter8: Policy implications and future prospects -- Chapter9: Conclusion .
Sommario/riassunto	This brief explores several adaptive agricultural practices from around the world to fulfill current and future agricultural demands for food

security due to the challenges posed by climate change and growing global population. Readers will discover how farmers adapt to environmental changes by adopting various agronomic practices at crop, farm and landscape levels. Particular attention is given to systemic and transformational adaptation strategies employed by farmers such as mulching, organic farming and crop diversification. This is a highly informative and carefully presented book that provides insights on how crops can build up resilience against periods of drought, high salinity, disasters such as floods, and diseases. The policy implications and future prospects of these adaptation strategies are also addressed. Environmental and plant scientists, agronomists and researchers in climate sciences will find this book interesting.

---