

1. Record Nr.	UNINA9910768180903321
Titolo	Sustainable Agriculture Reviews [[electronic resource] ] : Volume 15 // edited by Eric Lichtfouse
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2015
ISBN	3-319-09132-8
Edizione	[1st ed. 2015.]
Descrizione fisica	1 online resource (415 p.)
Collana	Sustainable Agriculture Reviews, , 2210-4410 ; ; 15
Disciplina	338.927 570 630 631.4
Soggetti	Agriculture Sustainable development Soil science Soil conservation Sustainable Development Soil Science & Conservation
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	01 Seed legislation in Europe and crop genetic diversity -- 02 Postharvest management of fruits and vegetables storage -- 03 Herbicides: history, classification and genetic manipulation of plants for herbicide resistance -- 04 Nitrogen-fixing plant-microbe symbioses -- 05 Factors influencing farm profitability -- 06 Soil fertility and crop productivity in African sustainable agriculture -- 07 Drought stress tolerant Horse Gram for sustainable agriculture -- 08 -- Essential oils for pest control in Agroecology -- 09 Organic potato farming adoption in Iran -- 10 Crop plant hormones and environmental stress.
Sommario/riassunto	Sustainable agriculture is a rapidly growing field aiming at producing food and energy in a sustainable way for humans and their children. Sustainable agriculture is a discipline that addresses current issues such as climate change, increasing food and fuel prices, poor-nation starvation, rich-nation obesity, water pollution, soil erosion, fertility

loss, pest control, and biodiversity depletion. Novel, environmentally-friendly solutions are proposed based on integrated knowledge from sciences as diverse as agronomy, soil science, molecular biology, chemistry, toxicology, ecology, economy, and social sciences. Indeed, sustainable agriculture decipher mechanisms of processes that occur from the molecular level to the farming system to the global level at time scales ranging from seconds to centuries. For that, scientists use the system approach that involves studying components and interactions of a whole system to address scientific, economic and social issues. In that respect, sustainable agriculture is not a classical, narrow science. Instead of solving problems using the classical painkiller approach that treats only negative impacts, sustainable agriculture treats problem sources. Because most actual society issues are now intertwined, global, and fast-developing, sustainable agriculture will bring solutions to build a safer world. This book series gathers review articles that analyze current agricultural issues and knowledge, then propose alternative solutions. It will therefore help all scientists, decision-makers, professors, farmers and politicians who wish to build a safe agriculture, energy and food system for future generations.

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