1. Record Nr. UNINA9910768181303321

Titolo	Sustainable Agriculture Reviews 32 : Waste Recycling and Fertilisation / / edited by Eric Lichtfouse
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2018
ISBN	3-319-98914-6 9783319989143
Edizione	[1st ed. 2018.]
Descrizione fisica	1 online resource (ix, 298 pages)
Collana	Sustainable Agriculture Reviews, , 2210-4429 ; ; 32
Classificazione	56.04.36
Disciplina	630
Soggetti	Agriculture Sustainability Refuse and refuse disposal Botany Soil science Waste Management/Waste Technology Plant Science Soil Science
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index
Nota di contenuto	Preface -- 01 Nutrient recycling: waste hierarchy, recycling cities and eco-houses -- 02 Reducing food losses and waste in the food supply chain -- 03 Beneficial microorganisms for the management of soil phosphorus -- 04 New insights into the yields of underexploited grain legume species -- 05 Grain legumes for the sustainability of European farming systems -- 06 Nitrogen management in the rice–wheat system of China and South Asia -- 07 Oilseed rape crop residues: decomposition, properties and allelopathic effects -- 08 Biochar amendment to soil for sustainable agriculture -- 09 Soil quality and agricultural sustainability in semi-arid areas -- 10 Organic agriculture for food security in Pakistan -- 11 Impact of recombinant DNA technology and nanotechnology on agriculture.
Sommario/riassunto	This book summarise advanced knowledge and methods to recycle waste and fertilise soils in agriculture. In the near future, waste

recycling will no longer be an option because natural resources become rare and costly, urbanisation is blooming and population is growing. In theory, most waste could be recycled. In practice, most waste is wasted. Remarkable aspects include the concepts of waste hierarchy eco-houses in smart cities, microbes and fungi for plant nutrition, and benefits of legume cultivation, biochar application and agropastoralism.