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Titolo	Manipulation of Allelopathic Crops for Weed Control / / by Khawar Jabran
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Descrizione fisica	1 online resource (X, 87 p.)
Collana	SpringerBriefs in Plant Science, , 2192-1229
Disciplina	581.5247
Soggetti	Botanical chemistry Plant physiology Plant ecology Plant anatomy Plants - Development Developmental biology Systems biology Plant Biochemistry Plant Physiology Plant Ecology Plant Anatomy/Development Developmental Biology Systems Biology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references at the end of each chapters.
Nota di contenuto	Chapter 1: Allelopathy—Introduction and Concepts -- Chapter 2: Wheat Allelopathy for Weed Control -- Chapter 3: Brassicaceae Allelopathy for Weed Control -- Chapter 4: Maize Allelopathy for Weed Control -- Chapter 5: Rice Allelopathy for Weed Control -- Chapter 6: Rye Allelopathy for Weed Control -- Chapter 7: Barley Allelopathy for Weed Control -- Chapter 8: Sorghum Allelopathy for Weed Control -- Chapter 9: Sunflower Allelopathy for Weed Control.
Sommario/riassunto	This book clearly defines ways to maximize the allelopathic potential of important field crops for controlling weeds, either in the same crop or

others. Compared to the use of herbicides, allelopathy is an attractive option to control weeds naturally under field conditions. The book highlights the allelopathic potential of several important cereals (wheat, maize, rice, barley, sorghum, rye) and two oilseed crops [sunflower and canola (as well as some other member of Brassicaceae family)]. Further, the book explains how the allelopathic potential of these crops can be manipulated under field conditions to suppress weeds. This is possible by growing allelopathic crop cultivars, using mulches from allelopathic crops, intercropping an allelopathic crop with a non-allelopathic crop, including allelopathic crops in crop rotation, or using allelopathic crops as cover crops. Equipped with several basic concepts of allelopathy, this book will be highly useful for the farming community as well as students and researchers.
