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Titolo	Applied Weed and Herbicide Science / / edited by Kassio Ferreira Mendes, Antonio Alberto da Silva
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ISBN	3-031-01938-5
Edizione	[1st ed. 2022.]
Descrizione fisica	1 online resource (307 pages)
Collana	Biomedical and Life Sciences Series
Disciplina	632.5
Soggetti	Botany Agriculture Plant physiology Agronomy Sustainability Plant Science Plant Physiology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Aspects of biology and ecophysiology, survival mechanisms and weed classifications -- Weed competition and interference in crops -- Parameters of the phytosociological survey to evaluate the abundance, distribution and diversity of the weed community -- Methods of control and Integrated management of weeds in agriculture -- Retention, absorption, translocation and metabolism of herbicides in plants -- Induced hormesis in plants with herbicide underdoses -- Evolution of weed resistance to herbicides -- Genetically modified crops resistant to herbicides and weed control.
Sommario/riassunto	This textbook explores aspects of biology and ecophysiology of weeds, weed competition and interference in crops, phytosociological survey, methods of control and weed integrated management. Herbicides are of great importance in weed management and are one of the most widely used pesticide groups for weed control across the globe. Offering a new direction for research that focuses on herbicide behavior in plants, hormesis, evolution of weed resistance to

herbicides, and genetically modified crops resistant to herbicides, this book covers the recent research in applied weed and herbicide science. This book provides essential and updated information on various subjects regarding the advances in herbicide science; and it is intended for professors, undergraduate, and graduate students, rural producers and other professionals involved in the area of applied weed and herbicide science. Agriculturists, analytical chemists, and toxicologists will find this book rewarding.