

1. Record Nr.	UNINA9910254153003321
Autore	Weidenbörner Martin
Titolo	Mycotoxins in Plants and Plant Products : Cereals and Cereal Products / / by Martin Weidenbörner
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2017
ISBN	3-319-46715-8
Edizione	[1st ed. 2017.]
Descrizione fisica	1 online resource (LV, 822 p.)
Disciplina	641.3 664
Soggetti	Food—Biotechnology Food Science
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Preface -- How to Handle the Book -- Acknowledgements -- Abbreviations -- 1. Mycotoxin Contamination of Cereals and Cereal Products -- 2. Further Mycotoxins and Microbial Metabolites -- 3. Mycotoxins and Their Cereal and Cereal Product Spectrum -- 4. Cereals and Cereal Products and Their Mycotoxins -- 5. Mycotoxin Contamination in Conventional and Organic Farming -- Alphabetical Bibliography -- Numerical Bibliography -- Index.
Sommario/riassunto	This book provides detailed data and information about the cereals and cereal products that are affected by mycotoxins, and gives a basic overview of mycotoxins in these foodstuffs. Mycotoxin contamination of food occurs as a result of crop invasion by field fungi such as <i>Fusarium</i> spp. and <i>Alternaria</i> spp., or storage fungi such as <i>Aspergillus</i> spp. and <i>Penicillium</i> spp., which can grow on/in stored commodities and are able to produce mycotoxins. In the worst case, these fungi produce secondary metabolites called mycotoxins, which can be very harmful to humans and animals when, for example, they are consumed through food due to their various negative effects on several organs in both humans and animals. Mycotoxins in Plants and Plant Products: Cereals and Cereal Products lists the predisposition of a foodstuff for mycotoxin contamination, as well as the degree of contamination, concentration, and country of detection/origin for each case of

mycotoxin contamination of this kind of foodstuff. It includes both alphabetical and numerical lists of literature.
