

1. Record Nr.	UNINA9910144390903321
Titolo	Whole grains and health [[electronic resource] /] / edited by Len Marquart ... [et al.]
Pubbl/distr/stampa	Ames, Iowa, : Blackwell Pub., 2007
ISBN	1-282-36516-9 9786612365164 0-470-27760-2 0-470-27636-3
Edizione	[1st ed.]
Descrizione fisica	1 online resource (353 p.)
Altri autori (Persone)	MarquartLen
Disciplina	613.263
Soggetti	Health Grain - Therapeutic use Grain in human nutrition Electronic books.
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	Whole Grains and Health; Table of Contents; Foreword; Acknowledgments; Contributing Authors; Part I. Introduction to Whole Grains and Health; 1 The Future of Whole Grains; 2 Using a Model of the Food and Nutrition System for Examining Whole Grain Foods from Agriculture to Health; Part II. Whole Grains, Dietary Fiber, and Chronic Disease; 3 Whole Grains and Diabetes; 4 Whole Grains and Related Dietary Patterns in Relation to Weight Gain; 5 Whole Grains and Cardiovascular Disease; 6 Whole Grains and Cancer Prevention 7 The Effects of Cereal Fibers and Barley Foods Rich in -glucan on Cardiovascular Disease and Diabetes RiskPart III. Grain Technology and Health-related Outcomes; 8 Biochemistry and Compartmentalization of Cereal Grain Components and Their Functional Relationship to Mammalian Health; 9 Structure of Whole Grain Breads: Sensory Perception and Health Effects; 10 Aleurone: Processing, Nutrition, Product Development, and Marketing; 11 Active Components of Whole Grain Foods; 12 White Wheat: Biochemical and Sensory Characteristics of Bread

13 Barley -glucan and Wheat Arabinoxylan Soluble Fiber Technologies for Health-promoting Bread Products
14 Modulating Glycemia with Cereal Products;
15 Whole Grain Phytochemicals and Antioxidant Activity;
16 Alkylresorcinols as a Potential Biomarker for Whole Grain Wheat and Rye;
17 Resistant Starch as a Contributor to the Health Benefits of Whole Grains;
18 Influence of Germination Conditions on the Bioactivity of Rye;
Part IV. Whole Grains and Consumer and Regulatory Issues;
19 Barriers to the Consumption of Whole Grain Foods;
20 Consumer Acceptance of Refined and Whole Wheat Breads
21 The Whole Grain Stamp Program
22 Whole Grains and Consumers;
23 The Industry's Commitment to Whole Grains Education;
24 Industry Initiatives in Whole Grain Education;
25 Communicating with Consumers: Whole Grain Messaging;
26 Global Regulation, Labeling, Claims and Seals: Perspectives and Guidelines; Index

Sommario/riassunto

Whole Grains and Health presents a science-based discussion of whole grains and their expanding role in health and disease. An international collection of authors presents current perspectives on grains, the many opportunities for further research into whole grains and the remarkable growth potential for product development. Coverage includes discussions on the health benefits of a diet rich in whole grains, the functional components of whole grains and the regulatory nuances of labeling grain products. A unique feature is a section devoted to communicating wi
