1. Record Nr. UNINA9910786703103321 Autore Arendt Elke K **Titolo** Cereal grains for the food and beverage industries / / Elke K. Arendt and Emanuele Zannini Cambridge:,: Woodhead Publishing,, 2013 Pubbl/distr/stampa **ISBN** 0-85709-892-6 Descrizione fisica 1 online resource (xxvi, 485 pages, 7 unnumbered pages of plates): illustrations (some color) Collana Woodhead publishing series in food science, technology and nutrition, 2042-8049;; no. 248 Disciplina 664 664/.7/05 Soggetti Cereal products Cereals as food Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia "ISSN: 2042-8049." Note generali Nota di bibliografia Includes bibliographical references and index. Nota di contenuto Cover: Cereal grains for the food and beverage industries: Copyright: Contents; Author contact details; Woodhead Publishing Series in Food Science, Technology and Nutrition; Foreword; Preface; 1 Wheat and other Triticum grains; 1.1 Introduction; 1.2 Structure of wheat grain; 1.3 Wheat carbohydrate composition and properties; 1.4 Wheat protein composition and properties: 1.5 Other constituents of wheat; 1.6 Flour milling; 1.7 Bakery products based on wheat; 1.8 Durum wheat products; 1.9 Products based on other types of wheat; 1.10 Beverages based on wheat: 1.11 Conclusions: 1.12 Future trends 1.13 References2 Maize; 2.1 Introduction; 2.2 Maize carbohydrate composition and properties; 2.3 Other constituents of the maize kernel; 2.4 Maize processing; 2.5 Applications of maize in foods; 2.6 Applications of maize in beverages; 2.7 Conclusions; 2.8 Future trends; 2.9 References; 3 Rice; 3.1 Introduction; 3.2 Rice carbohydrate composition and properties; 3.3 Other constituents of the rice kernel;

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Sommario/riassunto

Cereals are a staple of the human diet and have a significant effect on health. As a result, they are of major significance to the food industry. Cereal grains for the food and beverage industries provides a comprehensive overview of all of the important cereal and pseudocereal species, from their composition to their use in food products. The book reviews the major cereal species, starting with wheat and triticale before covering rye, barley and oats. It goes on to discuss other major species such as rice, maize, sorghum and millet, as well as pseudocereals such as buckwheat, quinoa