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| 1. Record Nr. | UNICAMPANIAVAN0042512 |
| Autore | Abbott, Michael B. |
| Titolo | Computational hydraulics : elements of the theory of free surface flows / M.B. Abbott |
| Pubbl/distr/stampa | Brookfield, : Ashgate, 1992 |
| ISBN | 18-574-2064-0 |
| Descrizione fisica | XVIII, 326 p. ; 24 cm |
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| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
| 2. Record Nr. | UNINA9910961646603321 |
| Titolo | Dry beans and pulses production, processing, and nutrition // editors, Muhammad Siddiq, Mark A. Uebersax |
| Pubbl/distr/stampa | Ames, Iowa, : Wiley-Blackwell, 2012 |
| ISBN | 9786613904669
9781118448281
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| Edizione | [1st ed.] |
| Descrizione fisica | 1 online resource (410 p.) |
| Classificazione | TEC012000 |
| Altri autori (Persone) | SiddiqMuhammad <1957->
UebersaxMark A |
| Disciplina | 664/.0284 |
| Soggetti | Dried beans
Dried food industry |
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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	<p>Title page; Copyright page; Contents; Contributors; Preface; Part I: Overview, Production and Postharvest Technologies; 1: Dry Beans and Pulses Production and Consumption-An Overview; Introduction; History and origin; Production and Trade; Global production and trade; US production and trade; Consumption Trends of Dry Beans; Dry Beans and Pulses As A Diverse Food Resource; Traditional utilization; Value-added processing and products; Nutritional and Health Considerations; Nutritional profile; Health significance; Beans and pulses use in weaning foods</p> <p>Constraints to beans and pulses utilization Beans and Pulses in World Food Security; Summary; References; 2: Dry Bean Breeding and Production Technologies; Introduction; Production Practices and Trends; Production practices; Production trends; Bean Genetics; Bean species; Gene pools; Wild bean germplasm; Breeding Procedures and Practices; Breeding procedures; Breeding methods; Seed multiplication; Backcross breeding method; Single seed descent; Recurrent selection; Breeding for Specific Traits; Breeding for yield; Disease resistance; Breeding for direct harvest systems; Processing quality</p> <p>Micronutrient content Niche markets-organic beans; Genomic Research; Comparative mapping with soybean; Genetically modified beans; Summary and Future Directions; Acknowledgments; References; 3: Market Classes and Physical and Physiological Characteristics of Dry Beans; Introduction; Commercial Market Classes of Dry Beans; Physiology of Dry Bean Seed; Structural and anatomical features of bean seed; Characteristics of Seed Size and Shape; Seed Coat Pigmentation and Color; USDA Standards for Dry Beans and Selected Pulses; Summary; References</p> <p>4: Postharvest Storage Quality, Packaging and Distribution of Dry Beans Introduction; Dry Bean Storage and Handling; Conveying and transfers; Receiving, cleaning and separation; Bean storage facilities; Packaging and Market Distribution; Packaging systems for domestic shipments; Domestic rail and truck transit; Packaging for overseas shipments; Postharvest Storage Quality; Moisture content; Storage temperature and time; Postharvest losses; Storage-Induced Defects; Hard shell and hard-to-cook phenomena; Seed discoloration; Mold development; Insect infestation; Bean Handling and Food Safety Summary References; Part II: Composition, Value-Added Processing and Quality; 5: Composition of Processed Dry Beans and Pulses; Introduction; Processing and the Composition of Dry Beans; Protein; Carbohydrate; Minor constituents; Processing and the Nutritional Quality of Beans; Dehulling; Soaking; Germination; Fermentation; Blanching and cooking; Extrusion cooking; Hard-to-Cook Phenomena and Splitting of Processed Beans; Hard-to-cook (HTC) phenomena; Splitting; Novel Processing Treatments and Impacts on Composition; Conclusion; References</p> <p>6: Hydration, Blanching and Thermal Processing of Dry Beans</p>
Sommario/riassunto	<p>The common beans and pulses are diverse food resources of high nutritional value (protein, energy, fiber and vitamins and minerals) with broad social acceptance. These legume crops demonstrate global adaptability, genotypic and phenotypic diversity, and multiple means of preparation and dietary use. Beans and pulses are produced in regions as diverse as Latin America, Africa, Asia, and North America, and on a</p>

scale similar to some other crops, such as wheat, corn, rice and soybeans. Numerous factors influence utilization, including bean type and cultivar selection, cropping environme
