

1. Record Nr.	UNINA990008419600403321
Titolo	Handbook of sustainable weed management / Harminder Pal Singh, Daizy Rani Batish, Ravinder Kunar Kohli editors
Pubbl/distr/stampa	New York, : Food Products Press, 2006
ISBN	1-56022-956-X 1-56022-957-8 978-1-56022-957-5
Descrizione fisica	XXIII, 892 p., tav. : ill. ; 22 cm
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Formato	Materiale a stampa
Livello bibliografico	Monografia

2. Record Nr.	UNINA9910813055503321
Titolo	Exploration, identification and utilization of barley germplasm / / edited by Guoping Zhang, Chengdao Li ; contributors, Imrul Mosaddek Ahmed [and twenty-three others]
Pubbl/distr/stampa	Amsterdam, Netherlands : , : Academic Press, , 2016 ©2016
ISBN	0-12-802923-4 0-12-802922-6
Descrizione fisica	1 online resource (304 p.)
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Soggetti	Barley - Genetics Barley - Breeding
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Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Cover; Title Page; Copyright Page; Table of Contents; List of Contributors; Preface; 1 - Domestication and Improvement of Cultivated Barley; 1 - Origin and Domestication of Barley; 2 - Distribution and Growth Habits of Wild Barley; 2.1 - Distribution of Wild Barley; 2.2 - Growth Habitats of Wild Barley; 2.3 - Genetic Variation of Wild Barley; 3 - Environmental Adaptation of Wild Barley; 3.1 - Genotypic Adaptations of Wild Barley; 3.2 - Drought Adaptation; 3.3 - Disease Resistance; 3.4 - Aluminum Tolerance; 3.5 - Salt Tolerance; 3.6 - Adaptation to Climate Change 4 - Utilization of Wild Barley in BreedingReferences; 2 - Malting Barley Quality Improvement and Germplasm Utilization; 1 - Introduction; 2 - Germplasm Foundation for Two-Row Malting; 3 - Screening for Malting Quality; 4 - Integration of Markers into Screening for Malting Quality; 5 - Scald Resistance Marker Development and Utilization; 6 - Utilization of Some Barley Germplasm; 6.1 - Utilization of Seebe; 6.2 - Utilization of Leo and Camelot; 6.3 - Future Use of Markers; 7 - Germplasm and the Future; References; 3 - Food Barley Quality Improvement and Germplasm Utilization 1 - A Brief History of Barley Foods2 - The Renaissance of Barley Foods

in Western Culture; 3 - The Oregon State University Case Study; 4 - Products: A Decision to Embrace a Whole-Grain Rather Than an "Extractive" Model; 5 - Product Development; 6 - Quality Evaluations; 7 - Beyond Streaker; 8 - Conclusions; Acknowledgments; References; 4 - Exploration and Utilization of Salt-Tolerant Barley Germplasm; 1 - Introduction; 2 - Physiologic Responses of Barley to Salt Stress; 2.1 - Germination; 2.2 - Root Growth; 2.3 - Shoot Growth; 2.4 - Photosynthesis; 2.5 - Nutrient Imbalance
5 - Exploration and Utilization of Drought-Tolerant Barley Germplasm1
- Introduction; 2 - Drought Tolerance Assessment; 2.1 - Drought Tolerance in Cultivated Barley; 2.2 - Drought Tolerance in Wild Barley (H. Spontaneum); 3 - Physiological Bases for Drought Tolerance in Barley; 3.1 - Water Relation; 3.2 - Photosynthesis; 3.3 - Cell Membrane Stability and Antioxidant Defense; 3.4 - Secondary Metabolism; 4 - Genetics and Mechanisms of Drought Stress Tolerance in Barley; 4.1 - Identification and Location of Genes for Drought Stress Tolerance
4.2 - Proteins and Genes Associated With Drought Tolerance in Barley
