

1. Record Nr.	UNINA9910877613403321
Titolo	Barley [[electronic resource]] : production, improvement, and uses // edited by Steven E. Ullrich
Pubbl/distr/stampa	Ames, Iowa, : Wiley-Blackwell, 2011
ISBN	1-282-88921-4 9786612889219 0-470-95862-6 0-470-95863-4 0-470-95861-8
Descrizione fisica	1 online resource (673 p.)
Collana	World Agriculture Series ; ; v.11
Altri autori (Persone)	UllrichSteven E
Disciplina	633.1/6 633.16
Soggetti	Barley - Genetics Barley - Genetic engineering Barley - Physiology Barley - Utilization
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	Adaptation, distribution, and marketing of barley -- Barley morphology, taxonomy, related species, and origin theories -- Barley genome organization, mapping, and synteny -- Genome analysis: the state of knowledge of barley genes -- Cytogenetics and molecular cytogenetics of barley: a model cereal crop with a large genome -- Application of molecular genetics and transformation to barley improvement -- Barley germplasm conservation and resources -- Barley breeding history, progress, objectives, and technology, Europe, North America, Australia, Near East, North Africa, Latin America -- Cultural practices: focus on major barley producing regions, Europe, Russian Federation, Ukraine, and Kazakhstan, North America, west Asia and North Africa from Turkey to Morocco, Australia -- Abiotic stress in barley: problems and solutions -- Biotic stress in barley: disease problems and solutions -- Biotic stress in barley: insect problems and solutions -- Biochemistry, physiology, structure, and genetics of barley

kernel development -- Biochemistry, physiology, and genetics of germination in barley -- Malting and brewing uses of barley -- Feed uses of barley -- Food uses of barley -- New selection criteria and methods in adapting barley to a changing world.

Sommario/riassunto

Barley is one of the world's most important crops with uses ranging from food and feed production, malting and brewing to its use as a model organism in molecular research. The demand and uses of barley continue to grow and there is a need for an up-to-date comprehensive reference that looks at all aspects of the barley crop from taxonomy and morphology through to end use. Barley will fill this increasing void. Barley will stand as a must have reference for anyone researching, growing, or utilizing this important crop.
