

1. Record Nr.	UNINA9911019920403321
Titolo	Plant breeding reviews . Volume 22 // edited by Jules Janick
Pubbl/distr/stampa	Hoboken, N.J., : John Wiley & Sons, c2003
ISBN	9786610367351 9781280367359 1280367350 9780470301852 0470301856 9780470650202 0470650206 9780471463382 0471463388
Descrizione fisica	1 online resource (457 p.)
Collana	Plant breeding reviews ; ; v. 22
Altri autori (Persone)	JanickJules <1931->
Disciplina	631.52
Soggetti	Plant breeding New crops - Breeding
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 indexes.
Nota di contenuto	PLANT BREEDING REVIEWS Volume 22; Contents; List of Contributors; 1. Dedication: Denton E. Alexander; Teacher, Maize Geneticist, and Breeder; 2. Estimating and Interpreting Heritability for Plant Breeding: An Update; I. The Meaning of Heritability; II. Response to Selection; III. Covariances of Relatives; IV. Variance Among Selection Units; V. Estimating Heritability as a Function of Variance Components; VI. Estimating Heritability from Parent-Offspring Regression; VII. Estimating Realized Heritability; VIII. Examples of Heritability Estimates; Appendices; Literature Cited 3. Advanced Statistical Methods for Estimating Genetic Variances in PlantsI. Introduction; II. Genetic Model; III. Least Squares Estimation; IV. Maximum Likelihood Analysis; V. Bayesian Analysis; VI. Discussion and Conclusions; Literature Cited; 4. Oil Palm Genetic Improvement; I. Introduction; II. Germplasm Resources; III. Improvement Objectives; IV.

Breeding Techniques; V. Future Prospects; Literature Cited; 5. Breeding Wheat for Resistance to Insects; I. Introduction; II. Wheat Stem Sawfly; III. Wheat Midge; IV. Hessian Fly; V. Russian Wheat Aphid; VI. Greenbug; Literature Cited
6. Peanut Breeding and Genetic ResourcesI. Introduction; II. Evolution and Taxonomy; III. Reproductive Development; IV. Cytogenetics and Genomes; V. Genetic Resources; VI. Breeding Peanut; VII. Summary; Literature Cited; 7. History and Breeding of Table Beet in the United States; I. Introduction; II. Crop Origins; III. Horticulture of Table Beet; IV. Genetics and Breeding; V. Breeding Methods; VI. Future Directions; Literature Cited; 8. Yeast as a Molecular Genetic System for Improvement of Plant Salt Tolerance; I. Introduction; II. Yeast Complementation
III. Orthologous Plant and Yeast GenesIV. Similarity of Cellular Salt Tolerance in Plants and Yeast; Literature Cited; Subject Index; Cumulative Subject Index; Cumulative Contributor Index

Sommario/riassunto

Plant Breeding Reviews, Volume 22 presents state-of-the-art reviews on plant genetics and the breeding of all types of crops by both traditional means and molecular methods. The emphasis of the series is on methodology, a practical understanding of crop genetics, and applications to major crops.
