Record Nr. UNINA990008107250403321

Autore Ludtke, James B.

Titolo The American Financial System: markets and institutions / James B.

Ludtke

Pubbl/distr/stampa Boston: Allyn and Bacon, 1961

Descrizione fisica 685 p.: ill.; 24 cm

Disciplina 332.09

Locazione FGBC

Collocazione XV M 661

Lingua di pubblicazione Inglese

Formato Materiale a stampa

Livello bibliografico Monografia

Record Nr. UNINA9911019696403321

Autore Janick Jules

Titolo Plant breeding reviews . Volume 33 [[electronic resource] /] / edited by

Jules Janick

Pubbl/distr/stampa Hoboken, N.J., : J. Wiley & Sons, Inc., 2010

ISBN 1-282-68910-X

9786612689109 0-470-53548-2 0-470-53547-4

Edizione [2nd ed.]

Descrizione fisica 1 online resource (383 p.)

Collana Plant breeding reviews, , 0730-2207 ; ; v. 33

Altri autori (Persone) JanickJules

Disciplina 631.5/3/05

631.52

Soggetti Plant 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 33; Contents; Contributors; 1. Dedication: Major M. Goodman: Maize Geneticist and Breeder; I. Biographical Sketch; II. Scientific Achievements; III. Service to Humankind; IV. Mentor and Colleague; V. Publications of Major Goodman; Literature Cited; 2. Enhancing Abiotic Stress Tolerance in Cereals Through Breeding and Transgenic Interventions; Abbreviations; I. Introduction; II. Natural Genetic Variations and Trait-Based Breeding; III. Enhancing Adaptation to Abiotic Stresses Through Breeding and Transgenic Intervention: IV. Outlook: Acknowledgments Literature Cited3. Verticillium Wilt in Solanaceous Crops; I. Introduction; II. Causal Pathogen; III. Host Plant Resistance; IV. Disease Management; V. Breeding Resistant Cultivars; Acknowledgments; Literature Cited; 4. Marker-Assisted Selection as a Component of Conventional Plant Breeding; Abbreviations; I. Introduction; II. Selection of Traits for MAS; III. Nature of QTL; IV. Choice of Markers for MAS; V. Marker-Trait Associations; VI. Theoretical Considerations for Successful MAS; VII. Different Breeding Schemes Involving MAS VIII. Simultaneous QTL Detection and MAS (AB-QTL and ""Mapping-As-You-Go" Approaches) IX. Gene Pyramiding; X. MAS in Combination With Phenotypic Selection; XI. Economics of MAS; XII. Improved Germplasm and Cultivars Using MAS: XIII. Limitations and Future Possibilities: XIV. Conclusions; Literature Cited; 5. Marker-Assisted Gene Pyramiding for Cultivar Development; Abbreviations; I. Introduction; II. General Principles: III. Process of Designing a Marker-Based Gene-Pyramiding Strategy; IV. Guidelines for Designing an Efficient Gene-Pyramiding Strategy; V. Main Factors Affects Gene Pyramiding VI. Successful Applications of Gene Pyramiding in PracticeVII. Integrating Gene Discovery, Validation, and Pyramiding; VIII. Summary and Prospects; Literature Cited; 6. Legume Genomics and Breeding; I. Introduction; II. Constraints in Crop Production; III. Genomic Resources in Legumes; IV. Trait Mapping and Marker-Assisted Selection; V. Summary and Prospects; Acknowledgments; Literature Cited; 7. Breeding American Chestnuts for Blight Resistance; I. Introduction; II. Chestnut Genetics; III. Chestnut Blight; IV. Blight-Resistance Breeding V. Population Genetics of Hybrid Chestnut ReintroductionVI. Conclusion; Literature Cited; Subject Index; Cumulative Subject Index; Cumulative Contributor Index

## Sommario/riassunto

Plant Breeding Reviews presents state-of-the-art reviews on plant genetics and the breeding of all types of crops by both traditional means and molecular methods. Many of the crops widely grown today stem from a very narrow genetic base; understanding and preserving crop genetic resources is vital to the security of food systems worldwide. The emphasis of the series is on methodology, a fundamental understanding of crop genetics, and applications to major crops.