Record Nr. UNINA9910830814003321 Plant breeding reviews . Volume 31 [[electronic resource] /] / edited by **Titolo** Jules Janick Pubbl/distr/stampa Hoboken, NJ,: Wiley-Blackwell, 2009 **ISBN** 1-282-31955-8 9786612319556 0-470-59378-4 0-470-59379-2 Descrizione fisica 1 online resource (434 p.) Collana Plant breeding reviews;;31 Altri autori (Persone) JanickJules <1931-> Disciplina 631.52 631.5305 Soggetti Plant breeding Agriculture 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 and index. Nota di contenuto PLANT BREEDING REVIEWS Volume 31; Contents; Contributors; 1. Dedication: Anthony H. D. Brown Conservation Geneticist; I. Biographical Sketch; II. Research Accomplishments; III. The Man; IV. Honors and Awards; Selected Publications of Anthony H. D. Brown; 2. Brassica and Its Close Allies: Cytogenetics and Evolution; I. Introduction; II. Cytogenetics; III. Genome Manipulation; IV. Wide Hybridization; V. Cytoplasmic Substitution and Male Sterility; VI. Genome Dissection and Development of Chromosome Addition Lines; VII. Mitochondrial Genome; VIII. Plastid Genome IX. Potential Role of Arabidopsis thaliana in Brassica ImprovementX. Chloroplast Genomes and their Phylogenetic Implications; XI. Evolution of Morphological Characters; XII. Concluding Remarks; Literature Cited; 3. Genetic Enhancement for Drought Tolerance in Sorghum; I. Introduction; II. Breeding for Drought Tolerance; III. Selection among Cultivars and Landraces; IV. Breeding for Drought Escape; V. Growth Stage-Specfic Screening Techniques: VI. Physiological Response Traits for Drought Tolerance; VII. Marker-Assisted Breeding for Drought

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Sommario/riassunto

Plant Breeding Reviews presents state-of-the-art reviews on plant breeding and genetics covering horticultural, agronomic and forestry crops, incorporating both traditional and molecular methods. The contributions are authored by world authorities, anonymously reviewed, and edited by Professor Jules Janick of Purdue University, USA. The series is an indispensible resource for crop breeders, plant scientists, and teachers involved in crop improvement and genetic resources. Initiated in 1983, Plant Breeding Reviews is published in the form of one or two volumes per year. Recently