Record Nr. UNINA9910876668103321 **Titolo** Plant breeding reviews / / edited by Jules Janick New York, : John Wiley & Sons, 1994 Pubbl/distr/stampa **ISBN** 1-283-37166-9 9786613371669 0-470-65049-4 0-470-65048-6 Descrizione fisica 1 online resource (329 p.) Collana Plant breeding reviews, , 0730-220 ; ; v. 12 Altri autori (Persone) **JanickJules** Disciplina 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 12; Contents; Contributors; 1: Dedication: Robert W. Allard Population Geneticist and Agronomist; 2: Bacillus thuringiensis and Its Use as a Biological Insecticide; I. INTRODUCTION; II. CHARACTERIZATION OF BACILLUS THURINGIENSIS; III. PROPERTIES OF PROTOXINS: IV. PROPERTIES OF INCLUSIONS AND THEIR ROLES IN TOXICITY; V. MODE OF ACTION; VI. RESISTANCE PROBLEMS; VII. PROTOXIN GENES IN OTHER SYSTEMS; VIII. PROSPECTS FOR THE MORE EXTENSIVE USE OF B. THURINGIENSIS AND/OR ITS TOXINS.; LITERATURE CITED; 3: Development of Virus Resistant Plants via Genetic Engineering I. INTRODUCTIONII. VIRUS GENES AS RESISTANCE GENES: III. PRODUCTION OF TRANSGENIC PLANTS EXPRESSING VIRAL GENES; IV. GENETICALLY ENGINEERED VIRUS RESISTANCE; V. GENETIC STABILITY AND FIELD PERFORMANCE; VI. ENVIRONMENTAL CONCERNS; VII. PROSPECTS FOR THE FUTURE; LITERATURE CITED; 4: Carbon Isotope

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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. It is a serial title that appears in the form of one or two volumes per year.

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