

1. Record Nr.	UNINA9910877289303321
Titolo	Plant breeding reviews . Volume 18 // edited by Jules Janick
Pubbl/distr/stampa	New York, : John Wiley & Sons, Inc., 2000
ISBN	1-282-68904-5 9786612689048 0-470-65015-X 0-470-65014-1
Descrizione fisica	1 online resource (333 p.)
Collana	Plant breeding reviews, , 0730-2207
Altri autori (Persone)	JanickJules
Disciplina	631.5/3/05 631.52
Soggetti	Life sciences - Horticulture Agriculture - Crop science 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 18; Contents; Contributors; 1: Dedication: Richard K. Downey Designer of Canola; 2: Apomixis: Genetics and Breeding; I. INTRODUCTION; II. GENETICS OF APOMIXIS; III. BREEDING OF APOMICTIC SPECIES; IV. APOMIXIS TRANSFER TO SEXUAL CROPS; V. GENE ISOLATION STRATEGIES; VI. OTHER MOLECULAR APPROACHES IN MODEL SYSTEMS; VII. BREEDING APOMICTIC GRAIN CROPS; VIII. FUTURE PROSPECTS; LITERATURE CITED; 3: DNA Methylation and Plant Breeding; I. INTRODUCTION; II. DNA METHYLATION IN PLANTS; III. DNA METHYLATION, GENETIC, AND EPIGENETIC VARIATION IV. DNA DNA METHYLATION, HETEROSIS, AND F1 HYBRID BREEDINGV. DNA METHYLATION AND TRANSGENE INACTIVATION IN TRANSGENIC PLANTS; VI. CONCLUSIONS AND FUTURE PROSPECTS; LITERATURE CITED; 4: Honeycomb Breeding: Principles and Applications; I. INTRODUCTION; II. PRINCIPLES UNDERLYING THE HONEYCOMB BREEDING; III. THE MASKING EFFECTS OF FIELD VARIATION OF SINGLE-PLANT YIELDS; IV. HONEYCOMB SELECTION WITHIN ENTRIES; V. HONEYCOMB SELECTION AMONG ENTRIES; VI. THE UNIVERSALITY OF

HONEYCOMB BREEDING; VII. SUMMARY; LITERATURE CITED
5: Genetic and Ecological Risks from Biotechnologically-Derived
Herbicide-Resistant Crops: Decision Trees for Risk Assessmentl.
INTRODUCTION; II. THE NEEDS FOR BD-HRC; III. THE RISKS ASSOCIATED
WITH BD-HRC; IV. THE DECISION TREE; V. CASE ASSESSMENTS; VI.
CONSIDERATION OF CASES; LITERATURE CITED; Subject Index;
Cumulative Subject Index; Cumulative Contributor Index

Sommario/riassunto

Dedication: Richard K. Downey, Designer of Canola (G. Rakow).
Apomixis: Genetics and Breeding (Y. Savidan). DNA Methylation and
Plant Breeding (A. Tsiftaris & A. Polidoros). Honeycomb Breeding:
Principles and Applications (V. Fasoula & D. Fasoula). Genetic and
Ecological Risks from Biotechnologically-Derived Herbicide-Resistant
Crops: Decision Trees for Risk Assessment (J. Gressel & T. Rotteveel).
Indexes.