

1. Record Nr.	UNINA9910829939403321
Autore	Janick Jules
Titolo	Plant breeding reviews . Volume 15 [[electronic resource] /] / edited by Jules Janick
Pubbl/distr/stampa	New York, : John Wiley & Sons, Inc., 1997
ISBN	1-282-68909-6 9786612689093 0-470-65009-5 0-470-65008-7
Descrizione fisica	1 online resource (407 p.)
Collana	Plant breeding reviews, , 0730-2207
Altri autori (Persone)	JanickJules <1931->
Disciplina	631.5/3/05 631.523
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 index.
Nota di contenuto	PLANT BREEDING REVIEWS, Volume 15; Contents; Contributors; 1: Dedication: Arnel R. Hallauer Scientist, Maize Breeder, Quantitative Geneticist; 2: Molecules Involved in Self-Incompatibility in Flowering Plants; I. INTRODUCTION; II. GENETIC CONTROL OF SELF-INCOMPATIBILITY; III. SPOROPHYTIC SELF-INCOMPATIBILITY IN THE BRASSICACEAE; IV. GAMETOPHYTIC SELF-INCOMPATIBILITY IN THE SOLANACEAE; V. GAMETOPHYTIC SELF-INCOMPATIBILITY IN OTHER FAMILIES; VI. CONCLUDING REMARKS; LITERATURE CITED; 3: Genetic Mosaics and Plant Improvement; I. INTRODUCTION II. DISSOCIATION AND SYNTHESIS OF GENETIC MOSAICS AND CHIMERAS III. SPECULATION; LITERATURE CITED; 4: Quantitative Trait Loci: Separating, Pyramiding, and Cloning; I. INTRODUCTION; II. QTL SEPARATION; III. QTL PYRAMIDING; IV. QTL CLONING; V. GENERAL DISCUSSION; VI. SUMMARY AND CONCLUSION; LITERATURE CITED; 5: Doubled Haploid Breeding in Cereals; I. INTRODUCTION; II. DOUBLED HAPLOID BREEDING; III. PRODUCTION OF HAPLOIDS IN CEREALS; IV. ANTHR CULTURE; V. CULTURE OF ISOLATED MICROSPORES; VI. GENETIC STABILITY; VII. CONCLUSIONS AND OVERVIEW; LITERATURE CITED

6: Spelt: Agronomy, Genetics, and Breeding I. INTRODUCTION; II. AGRONOMY; III. BREEDING; IV. POTENTIAL; LITERATURE CITED; 7: Cowpea Breeding; I. INTRODUCTION; II. PRODUCTION ZONES, CROPPING SYSTEMS, AND CONSTRAINTS; III. BREEDING SOLE-CROPS FOR YIELD POTENTIAL; IV. BREEDING FOR INTERCROPPING SYSTEMS; V. BREEDING FOR ADAPTATION TO DROUGHT; VI. BREEDING FOR HEAT TOLERANCE AND PLANT RESPONSE TO PHOTOPERIOD; VII. DISEASE RESISTANCE; VIII. INSECT RESISTANCE; IX. RESISTANCE TO PARASITIC WEEDS; X. NEMATODE RESISTANCE; XI. BENEFICIAL ROOT ASSOCIATIONS; XII. TOLERANCE TO SOIL CHEMICAL STRESSES XIII. BREEDING TO ENHANCE PRODUCT QUALITY XIV. BREEDING METHODS; XV. FUTURE BREEDING OPPORTUNITIES; LITERATURE CITED; 8: Recurrent Selection in Soybean; I. INTRODUCTION; II. STANDARD RECURRENT SELECTION TECHNIQUES IN SOYBEAN; III. MARKER-ASSISTED RECURRENT SELECTION IN SOYBEAN; IV. SUMMARY; LITERATURE CITED; 9: Gene Action and Plant Breeding; I. INTRODUCTION; II. ALLELIC GENE ACTION AND INTERACTION; III. NONALLELIC GENE ACTION AND INTERACTION; IV. GENE ACTION AND SYSTEMS OF REPRODUCTION; V. CONDITIONS OPTIMIZING SINGLE-PLANT HERITABILITY; VI. SUMMARY; LITERATURE CITED; Subject Index Cumulative Subject Index Cumulative Contributor Index

---

Sommario/riassunto

Dedication: Arnel R. Hallauer, Scientist, Maize Breeder, Quantitative Geneticist (K. Lamkey). Molecules Involved in Self-Incompatibility in Flowering Plants (P. Dodds, et al.). Genetic Mosaics and Plant Improvement (M. Marcotrigiano & T. Gradziel). Quantitative Trait Loci: Separating, Pyramiding, and Cloning (Y. Xu). Doubled Haploid Breeding in Cereals (S. Raina). Spelt: Agronomy, Genetics, and Breeding (K. Campbell). Cowpea Breeding (A. Hall, et al.). Recurrent Selection in Soybean (K. Lewers & R. Palmer). Gene Action and Plant Breeding (D. Fasoula & V. Fasoula). Indexes.

---