

1. Record Nr.	UNINA9910830195803321
Titolo	Plant Breeding Reviews . Volume 4 [[electronic resource]]
Pubbl/distr/stampa	Hoboken, : John Wiley & Sons, 1986
ISBN	1-118-06101-2
Descrizione fisica	1 online resource (422 p.)
Collana	Plant Breeding Reviews ; ; v. 4
Altri autori (Persone)	JanickJules <1931->
Disciplina	631.5305
Soggetti	Plant breeding -- Periodicals Plant breeding Agriculture Earth & Environmental Sciences Plant Sciences
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di contenuto	PLANT BREEDING REVIEWS Volume 4; Contents; Contributors; 1 Dedication: Henry M. Munger Vegetable Breeder and Educator; Text; Publications of Henry M. Munger; 2 Pollen, Pistil, and Reproductive Function in Crop Plants; I. Introduction; II. Pollen; III. The Receptive Pistil; IV. Pollen-Pistil Interactions; V. Potential for Pollen Selection; VI. Conclusions; Literature Cited; 3 Mobile Elements in Maize; I. Introduction; II. Phenotypic Expression of Mobile-Element-Induced Variegation; III. Components and Molecular Structure of Mobile Elements; IV. Genetic Determination of Mobile Elements V. TranspositionVI. Effects on Gene Expression; VII. Origins and Activation of Mobile Elements; VIII. Molecular Summary of Mobile Elements; IX. Mobile Elements, Evolution, and Crop Improvement; X. Concluding Comments; XI. Glossary; Literature Cited; 4 Somaclonal Variation in Alfalfa; I. Introduction; II. Variation among Regenerated Plants; III. Managing Somaclonal Variation; IV. Conclusions; Literature Cited; 5 Cell Selection for Crop Improvement; I. Introduction; II. Tissue Culture and Cell Selection; III. Successful Cell Selections; IV. Tissue Culture and Cell Selection: An Assessment V. ConclusionLiterature Cited; 6 Oil Palm Improvement via Tissue Culture; I. Introduction; II. Conventional Propagation and Improvement;

III. In Vitro Approaches; IV. General Methodology; V. Conclusions and Prospects; Literature Cited; 7 Breeding Soybeans for Drought Resistance; I. Introduction; II. Morphological Responses to Drought Stress; III. Physiological Responses to Drought Stress; IV. Biochemical Responses to Drought Stress; V. Physical Responses to Drought Stress; VI. Germplasm Variability and Heritability; VII. Selection for Drought Resistance

VIII. Screening Systems for Drought Resistance Literature Cited; 8 Breeding Common Bean for Yield in Mixtures; I. Introduction; II. Genetic Implications of Competition in Pure Stands; III. Yield of Beans in Mixture with Maize; IV. Yield of Beans in Relay Cropping with Maize; V. Yield of Beans in Mixtures and Relay Cropped with Maize; VI. Effect of Planting Beans before Maize in Mixtures; VII. Use of Both Pure Stands and Mixture Performance to Predict Bean Yields; VIII. Yield of Segregating Populations of Beans in Pure Stands and in Mixtures with Maize IX. Effect of Beans on the Yield of Maize in Mixtures X. Influence of Plant Habit and Seed Size on Yield of Beans in Mixtures with Maize; XI. Effect of Eliminating Low-Yielding Bean Cultivars in Either Pure Stands or Mixtures; XII. General Discussion of Results; XIII. Breeding Options for Beans That Are to Be Grown in Pure Stands and in Mixtures and/or Relay Cropping with Maize; XIV. Concluding Remarks; Literature Cited; 9 Inheritance of Tomato Fruit Quality Components; I. Introduction; II. Fruit Solids; III. Acidity; IV. Carotenoids; V. Vitamins; VI. Inorganic Constituents VII. Volatile Compounds
