Record Nr. UNINA9910140577503321 Plant breeding reviews . Volume 24, pt. 2 Long-term selection : crops, **Titolo** animals, and bacteria [[electronic resource] /] / edited by Jules Janick Pubbl/distr/stampa Hoboken, N.J., : John Wiley & Sons, Inc., 2004 **ISBN** 1-282-68912-6 9786612689123 0-470-65028-1 0-470-65025-7 Descrizione fisica 1 online resource (306 p.) Collana Plant breeding reviews, , 0730-2207;; v. 27 Altri autori (Persone) **JanickJules** Disciplina 631.5/3/05 631.52 Soggetti Plant breeding Electronic books. 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 Crop domestication as a long-term selection experiment -- Long-term selection in plants in the developing world -- Trends in productivity of U.S. crops and long-term selection -- Long-term selection in a commercial hybrid maize breeding program -- Long-term divergent selection for ear length in maize -- Inferences on the genetics of quantitative traits from long-term selection in laboratory and domestic animals -- Long-term selection for pupal weight in Tribolium castaneum -- Phenotypic and genomic evolution during a 20,000generation experiment with the bacterium Escherichia coli. Sommario/riassunto Plant Breeding Reviews, Volume 24, Part 2 presents state-of-the-art reviews on plant genetics and the breeding of all types of crops by both traditional means and molecular methods. The emphasis of the series is on methodology, a practical understanding of crop genetics, and applications to major crops.