1. Record Nr. UNINA9910779074003321 Autore Halford N. G (Nigel G.) Titolo Genetically modified crops [[electronic resource] /] / Nigel G. Halford London, : Imperial College Press, 2012 Pubbl/distr/stampa **ISBN** 1-84816-839-X Edizione [2nd ed.] Descrizione fisica 1 online resource (193 p.) Disciplina 631.5/233 631.5233 Soggetti Transgenic plants Transgenic plants - History Plant genetic engineering Agricultural biotechnology Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Includes index. CONTENTS; Preface; 1. DNA, Genes, Genomes and Plant Breeding; 1.1 A Nota di contenuto Brief History of Genetics; 1.2 Deoxyribonucleic Acid (DNA); 1.3 Genes; 1.4 Gene Expression; 1.5 Genomes; 1.6 Genetic Change; 1.7 Plant Breeding; 1.8 Modern Plant Breeding; 1.9 Wide and Forced Crossing and Embryo Rescue; 1.10 Radiation and Chemical Mutagenesis; 1.11 The Advent of Genetic Modification: 2. The Techniques of Plant Genetic

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Sommario/riassunto

Plant molecular biology came to the fore in the early 1980's and there has been tremendous growth in the subject since then. The study of plant genes and genomes and the development of techniques for the incorporation of novel or modified genes into plants eventually led to the commercialisation of genetically modified (GM) crops in the mid-1990's. This was seen as the start of a biotechnological revolution in plant breeding. However, plant biotechnology has become one of the hottest debates of the age and, in Europe at least, one of the greatest challenges that plant scientists have ever faced.