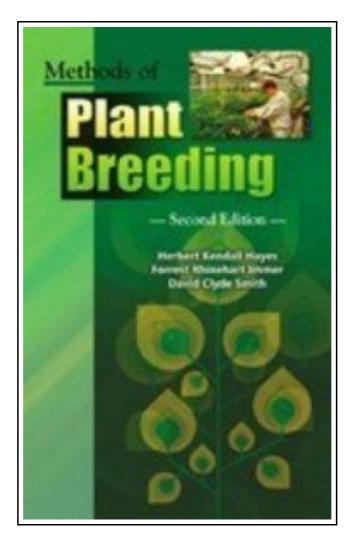
Methods of Plant Breeding (Second Edition)



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Reviews

Undoubtedly, this is the greatest job by any author. It is actually filled with wisdom and knowledge I am quickly could get a pleasure of reading a written book.

(Kade Ankunding)

METHODS OF PLANT BREEDING (SECOND EDITION)



Biotech Books/Daya Publishing House, 2009. Hardcover. Book Condition: New. 2nd edition. Plant breeding is an applied science that is carried out efficiently only through the application of other basic plant sciences.;;The book deals with the current status of breeding for insect resistance, the breeding of cotton and sorghum as representatives of crop plants often cross-pollinated, breeding studies with other cross-pollinated crop plants including sugar cane, and a review of the present viewpoint of breeding forage crops, including both legumes and grasses.; Experimental designs, field-plot techniques, and statistical methods have been presented with particular attention to the needs of beginning students of plant breeding. A Chapter on heritability has been included because of the present-day interest in more precise measures for determining the value of selection for individual characters. These methods of studying heritability differentiate between variability due to genetical and environmental causes.;;This is with the belief that each of the various methods of hybridization, including the pedigree method of selecting during the segregating generations, the bulk method with selfpollinated plants, the backcross method and convergent improvement, has certain advantages and disadvantages that make it desirable under some conditions and less desirable for other breeding problems.;;The book has been useful for UG and PG Courses of Plant Breeding.;;Contents;;Chapter 1: The Role of Plant Breeding; Chapter 2: The Genetic and Cytogenetic Basis of Plant Breeding; Chapter 3: Heterosis; Chapter 4: Mode of Reproduction in Relation to Breeding Methods; Chapter 5: Techniques in Selfing and Crossing; Chapter 6: The Pure-line Method of Breeding Naturally Self-pollinated Plants; Chapter 7: Hybridization as a Method of Improving Self- Fertilized Plants; Chapter 8: The Backcross Method of Plant Breeding; Chapter 9: Breeding for Disease Resistance; Chapter 10: Breeding for Insect Resistance; Chapter 11: Special Techniques; Chapter 12: Inheritance in Small Grains and Flax; Chapter 13: Cotton and Sorghum...



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