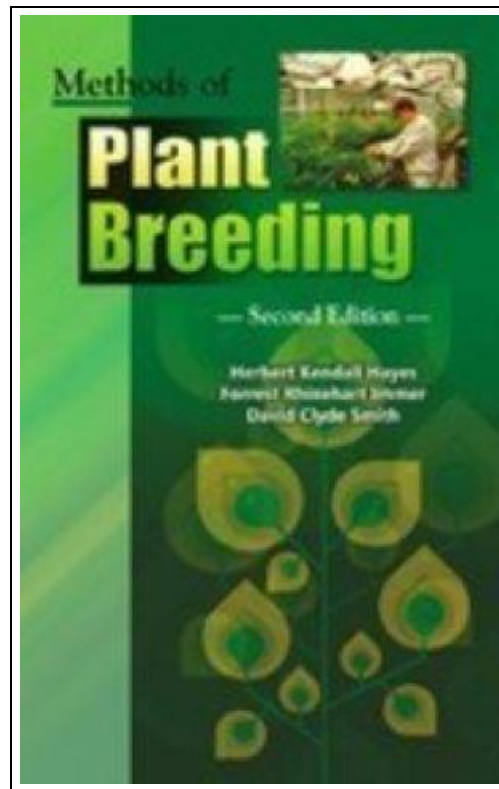


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Biotech Books/Daya Publishing House, 2009. Hardcover. Book Condition: New. 2nd edition. Plant breeding is an applied science that is carried out efficiently only through the application of other basic plant sciences.;;The book deals with the current 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 self-pollinated 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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