

Plant propagation deals with multiplication of plants and preserves their essential genetic characteristics. The plant propagation has thirteenth chapters. The first chapter is introduction which deals organizations and groups in propagation industry, areas of knowledge of propagation, plant propagation organizations and types of plant propagation. The second chapter deals with containers, media, mixes and structures. The third chapter deals with sexual propagation, development of fruits and seeds, the mature seed and apomixis. The fourth chapter deals with principles and techniques of seed selection, categories of seed propagated cultivars, breeding systems and legal controls to genetic purity. The fifth chapter deals with techniques of seed production, handling and seed dormancy. The sixth chapter deals with vegetative propagation, source selection and management, phase variation with plants and clones, chimeras and methods to detect pathogens in propagation source. The seventh chapter deals with propagation by specialized stems and roots. The eighth chapter deals with layering. The ninth chapter deals with propagation by cuttings. The tenth chapter deals with the propagation by grafting. The eleventh chapter deals with principles of tissue culture for micropropagation. The twelfth chapter deals with plant propagation of fruits. The thirteenth chapter deals with propagation of some ornamental plants. The Glossary containing related terms have been given. The selected references presented at the end can be useful to obtain for further information.

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