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Doubled haploids offer a rapid method of producing homozygous lines for accelerated breeding of varieties and hybrids necessary to address the food demands of the next 2–3 decades. In Vivo Haploid Production in Crop Plants: Methods and ... successful in vitro haploid production in tobacco (Nitsch and Nitsch, 1969). Many attempts have been made since then, resulting in published protocols for over 250 plant species. Haploids and Doubled Haploids in Plant Breeding Production of Haploid Plants Ch-09 Life Sciences, Botany, Zoology, Bio-Science. ... Haploid and Diploid. - Duration: 16:40. Kingdom Biology Classes Vivekanand Sharma 4,054 views. Production of Haploid Plants In vitro culture of haploid cells of plants (e.g. pollen grains from anther and ovules from ovary) is possible. In vivo technique of haploid production includes the following: 1. Androgenesis: Production of haploid plants by development of an egg cell containing male nucleus. The female nucleus is eliminated before fertilisation. What are the Techniques of Haploid Production by a review of the factors that affect the successful

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