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multiplication of vegetative parts) means.

**BIOTECHNOLOGY AND PLANT BREEDING**  
1 F. Bliss Department of Pomology, University of California, Davis, CA 95616  
**ABSTRACT** Plant breeding is an integrative discipline that is defined by the product, i. e., a crop cultivar. Principles of breeding provide the framework, while technologies (including biotechnology) provide the tools for implementation.

A biotechnological method is among the alternatives and very effective tool to be adopted by plant breeders (Hock et al., 2003). The advantage of biotechnology

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helps breeders to identify the ...

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3.2.3 Mating Systems, Varieties, Landraces,  
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Breeding Is a Numbers Game 57 3.2.8 Plant  
Breeding Is an Iterative and Collaborative  
Process 57

Plant biotechnology is the science of developing methods of genetic modification in plants to achieve certain desired characteristics. Genetic modification is the altering of plants' genetic traits by manipulating genes. In recent years, plant breeders have developed innovative methods of genetic modification for increased crop yield.

2/11/2016 · In this article we will discuss about the biotechnology in plant breeding. In the conventional plant breeding

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programme, the development of a new variety or hybrid takes about five to twelve years, starting from inbred production and then hybridization and selection of F<sub>1</sub> hybrids. To overcome the sexual barrier (pre-fertilisation and post-fertilisation), there is the need of modern non ...

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1. Introduction Plant tissue culture or micropropagation technology has made invaluable contribution to agriculture by enabling the production of disease free, quality planting material of commercial plants and fruit trees, throughout the year. It is a technique for in-vitro growth of

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