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Abstract

This study reviews recent advancements in clonal propagation techniques and their implications for enhanced crop production. Clonal propagation, a method that enables the asexual reproduction of plants, has gained

including fruit trees, ornamentals, and medicinal plants. Case studies highlight successful implementations that have resulted in increased yield, improved disease resistance, and shortened production cycles. Furthermore, we discuss the integration of biotechnology and molecular tools in optimizing clonal propagation methods, leading to greater uniformity and quality in propagated materials. Challenges such as genetic uniformity, pathogen management, and

emphasize that clonal propagation is not only a viable method for improving agricultural productivity but also a critical component in developing sustainable farming practices. This review aims to provide insights into the future of clonal propagation as an essential tool for meeting global food demands and advancing agricultural resilience.

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Introduction

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Results and Discussion

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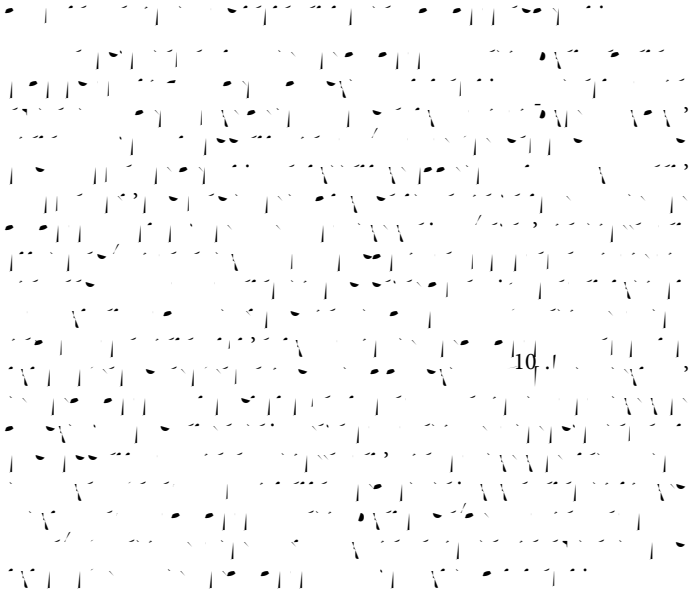

Conclusion