

A Primary Research on High-Yield Provenances of Masson Pine Pollen

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Abstract Based on the flowering season data of the 57 provenance in Fuyang, Zhejiang, which was taken as one locality of national second all-distribution-area provenance tests, the male flower variation was reported. The experiment results suggested that there existed evident and stable variation in male flower trait between different seed sources, and the pollen amount of the northern zone was higher than that of the southern one. According to male flower amount and flower tree rates, 7 seed sources such as Nanzheng, Hongan, Xinxian etc. were selected as the high-yield provenances.

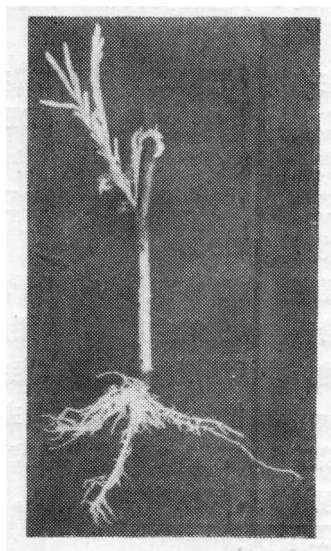
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黑荆树扦插繁殖成功

黑荆树 (*Acacia mearnsii*) 是扦插难生根的树种之一, 近年来我组从 1~4 年的母树上采集当年生枝条。在全光喷雾的条件下, 开展了不同母树年龄, 不同激素种类、激素浓度和处理时间, 不同扦插基质内容的系列试验, 现已筛选出最佳激素及最佳组合。平均扦插生根率达 45% (扦插 90 d 调查), 最高达 68%。扦插苗生根数 2~25 条, 最长根达 15 cm, 一级侧根 5 条, 每厘米 5~10 条须根。以上结果表明, 黑荆树扦插繁殖已取得良好进展, 该树种的无性繁殖利用可望实现。

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黑荆树一年生扦插苗