

园艺与食品科学

授粉方式与疏果时期对焦核龙眼的影响

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收稿日期 2006-2-21 修回日期 2006-2-21

摘要 通过去雄花套袋、自花授粉、自然异花授粉,不同时期疏果,以及花粉萌发力的测定,研究了闽焦64-1、闽焦64-2的座果和焦核率情况。结果表明:焦核品种的花粉大部分败育,花粉萌芽率均低于大核品种;焦核龙眼无单性结实特性,异花授粉是其座果所必需的;在并粒期与关公刀粒期疏大果有利于提高焦核率。

关键词 [焦核龙眼](#) [花粉萌芽率](#) [授粉方式](#) [疏果时期](#) [座果率](#) [焦核率](#)

分类号 [S 668.1](#)

Effects of Pollination and Fruit-thinning Time on the Fruits of Aborted-seeded Longan

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Abstract

The fruit setting and embryo abortion rate of aborted seeded Longan cultivar "Min Jiao 64-1" and "Min Jiao 64-2" were studied by using different pollination methods, different fruit thinning time and measuring pollen germination rate. The results showed that most of the pollen of aborted seeded cultivar were aborted, which germination rate was lower than cultivars with normal embryos. Aborted-seeded longan didn't have parthenocarpy ability. Cross-pollination was necessary for the fruit setting of aborted seeded longan. In the periods of "Binli" and "Guangongdaoli", fruit-thinning had the advantages to raising seed-abortion rate.

Key words [Aborted-seeded longan](#) [pollen germination rate](#) [pollination methods](#) [fruit-thinning time](#) [fruit setting](#) [seed abortion rate](#)

DOI:

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