

热带农业科学

野生抚育益智主要性状与产量的回归模型及相关分析

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摘要:

为选育野生益智高产品种,筛选选育的主要性状指标,本研究以不同光照条件下7年生野生抚育益智为材料,采用逐步回归,建立产量与各性状的最优线性回归方程。结果表明,不同光照条件下,单株结果数、单果鲜重在相关系数及通径系数等方面均表现出极显著相关,且明显高于其它性状;遮光与光照条件下,各性状与产量间关系存在一定差异。表明单株结果数及单果鲜重为野生抚育益智品种选育主要性状指标。

关键词: 益智 野生抚育 回归模型

The regression model and related analysis between main characters and yields in wildlife tending *Alpinia oxyphylla*

Abstract:

In order to breed high-yield varieties of wildlife tending *Alpinia oxyphylla*, screen main characters of *Alpinia oxyphylla* for breeding. In this study, material was 7-years wildlife tending *Alpinia oxyphylla* under different light, related path analysis and regression equation of yield and main characters of wildlife tending *Alpinia oxyphylla* were carried out. Result indicated that fruit numbers pre plant, fresh weight pre fruit and yield of *Alpinia oxyphylla* were very significantly correlated in correlated and path coefficient analysis, and were more significantly than other characters under different light. But correlative index between all main characters and yield were different under light and covered light. The conclusion was that fruit numbers pre plant and fresh weight pre fruit were main characters for screening high-yield varieties of wildlife tending *Alpinia oxyphylla*.

Keywords: *Alpinia oxyphylla* wildlife tending regression model

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