

园艺—研究报告

‘吉尔’ 杧果秋梢生长规律及母枝质量与开花的关系

李峰¹, 欧世金², 何新华³, 潘介春²

- 1. 广西大学
- 2.
- 3. 广西大学农学院

摘要:

为了解‘吉尔’杧果秋梢生长规律及结果母枝质量与开花率的关系,应用调查研究和数理统计的方法,对‘吉尔’杧果采后一次秋梢与二次秋梢,结果母枝质量与末级梢成花率及花序大小的关系进行分析。分析结果表明:一次秋梢直径对二次秋梢直径和一次秋梢叶面积对二次秋梢叶面积有显著影响。随二次秋梢直径增粗,二次秋梢叶片数和叶面积增加;随二次秋梢长度加长,二次秋梢叶片数和叶面积增加。末级梢成花率与结果母枝直径为负相关关系,随结果母枝直径增粗,末级梢成花率下降;要获得80%~85%的末级梢成花率,结果母枝直径应在0.48~0.51 cm左右;花序体积与结果母枝直径关系最密切,与结果母枝长度、叶片数、叶面积也有显著相关。

关键词: 花序体积

Relationship between the Growth Characters of Autumn Flushes and Quality of Bearing Shoots and the Flowering of *Mangifera indica* ‘Zill’

Abstract:

In order to understand the relationship between the growth characters of autumn flushes and quality of bearing shoots and the flowering rate of *Mangifera indica* ‘Zill’, methods of investigation and statistics were applied to analyze the relationship between the first autumn flush, second autumn flush and quality of bearing shoots and the flowering rate of terminal shoots and panicle size. The result of the study indicated that the diameter and the leave area of the first autumn flush had remarkable effects on the diameter and the leave area of the second autumn flush respectively. The leave number and the leave area of second autumn flush increased as the diameter and the length of the second autumn flush increased. There was negative relationship between the flowering rate of terminal shoots and the diameter of bearing shoots. The flowering rate of terminal shoots decreased as the diameter of the bearing shoot increased. A result of 80%-85% of flowering rate for terminal shoots was obtained when the diameters of bearing shoots were about 0.48-0.51 cm. The volume of the panicle was most close to the diameter of bearing shoots and markedly correlated to the length, the leave number and the leave area of bearing shoots.

Keywords: volume of panicle

收稿日期 2010-08-02 修回日期 2010-09-06 网络版发布日期 2011-04-15

DOI:

基金项目:

通讯作者: 李峰

作者简介:

作者Email: gxixf2006@126.com

参考文献:

本刊中的类似文章

扩展功能

本文信息

- Supporting info
- PDF(527KB)
- [HTML全文]
- 参考文献[PDF]
- 参考文献

服务与反馈

- 把本文推荐给朋友
- 加入我的书架
- 加入引用管理器
- 引用本文
- Email Alert
- 文章反馈
- 浏览反馈信息

本文关键词相关文章

- 花序体积

本文作者相关文章

- 李峰
- 欧世金
- 何新华
- 潘介春

PubMed

- Article by Li,f
- Article by Ou,S.J
- Article by He,X.H
- Article by Pan,J.C

