

园艺—研究报告

不同负载量处理对红富士苹果产量和品质的影响

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摘要:

以红富士苹果为试材,研究了连续两年不同负载量处理对单果重、果实产量、果实外观品质、果实内在品质和经济效益的影响。结果表明:在中等管理水平条件下,负载量较小(处理1、2)时,虽然平均单果重和果实产量较高、果实外观品质和果实内在品质较好,但单位面积产量低、经济效益较差;负载量过大(处理5、6)时,对单果重、果实产量、果实外观品质、果实内在品质和经济效益均有较大的不利影响;负载量保持在52500~60000 kg/hm<sup>2</sup>(处理3、4),对果实的生长发育的不利影响较小,既保证丰产、优质,又可实现生产的可持续发展。

关键词: 红富士苹果; 负载量; 产量; 质量

The Effects of Different Capacity on Yield and Quality of Red Fuji Apple

Abstract:

The Red Fuji apple was used to study the effect of different capacity treatments on the weight of per apple, fruit exterior, inner quality, the fruit product and economic benefit during two years. The results showed that, under the medium management, the load was smaller (treatments 1 and 2), though the average weight of per apple and the fruit product were high, the fruit exterior and inner quality were better, the unit area product and economic benefit were lower; the load was too high(treatments 5 and 6), it had great disadvantage to the weight of per apple, fruit exterior, inner quality, the fruit product and economic benefit; the load maintained at 52500-60000 kg/hm<sup>2</sup> ( treatments 3 and 4), it had less disadvantage about the fruit growth and development. It could not only assure high yield quality but also achieve sustainable development of production.

Keywords: Red Fuji apple loading production quality

收稿日期 2010-06-23 修回日期 2010-08-27 网络版发布日期 2011-03-01

DOI:

基金项目:

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