

研究报告与简报

土壤容重对烤烟生长及产量和品质的影响

王树会 李天福

云南省烟草科学研究所, 云南玉溪653100

摘要:

以烤烟品种K326为供试品种,用盆栽方法研究了不同土壤容重对烤烟生长发育和产量及品质的影响。结果表明,土壤容重增大,烟株的生长发育延迟,植株的株高和叶面积生长受到抑制。土壤容重对烟株根系的影响是先促进后抑制,当容重达1.45 g/cm³处理时根系发育最好,之后当容重继续增大时,根系生长发育受到明显抑制。土壤容重加大,烟叶产量随之降低,当容重达1.65 g/cm³处理时,烟叶产量比对照降低了82.6%,所产烟叶基本无价值。容重对烟叶品质也产生一定的影响。

关键词: 土壤容重 烤烟 生长 产量 品质

Effect of Soil Bulk Density on Growth, Yield and |Quality of Flue-cured Tobacco

WANG Shu-hui, LI Tian-fu

Yunnan Tobacco Research Institute, Yunnan Yuxi 653100, China

Abstract:

Effect of different soil bulk density on growth, yield and quality of K326 flue-cured tobacco variety was investigated by pot experiment. The results indicated that the tobacco growth was obviously delayed, and the plant height and leaf area index were seriously retarded with increase of soil bulk density. The growth of tobacco root was improved when the soil bulk density increased and reached 1.45 g/cm³, but it was obviously inhibited if the soil bulk density was greater than 1.45 g/cm³. The tobacco yield decreased with increase of the soil bulk density. The yield was of 82.6% lower than the control when the soil bulk density was 1.65 g/cm³. The soil bulk density also had certain impact on tobacco leaf quality.

Keywords: soil bulk density flue-cured tobacco growth yield quality

收稿日期 2008-05-02 修回日期 2008-09-04 网络版发布日期

DOI:

基金项目:

云南省烟草公司科技项目“云南烟区环境质量监测与评价”(05-18)资助.

通讯作者: 李天福, 副研究员, 主要从事烟草土壤肥料研究. E-md: LTFD@vip. sina. com

作者简介: 王树会|助理研究员|博士|主要从事烟草营养与栽培研究. Tel: 0877-2075041; E-mail: wangshuhui@yntsti. com。

作者Email:

参考文献:

本刊中的类似文章

文章评论

扩展功能

本文信息

- Supporting info
- PDF(312KB)
- [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

- 土壤容重 烤烟 生长 产量 品质

本文作者相关文章

PubMed

反馈人	<input type="text"/>	邮箱地址	<input type="text"/>
反			

反馈
标题

验证码

1343