

有机物覆盖地面对土壤物理因素影响的研究(II)——有机物覆盖对土壤孔隙度的影响

Soil Cover With Organic Mulch and Its Influences on Soil Physical Parameters (II) ——Change of Soil Porosity Under Organic Mulch Cover

投稿时间: 1996-8-15

稿件编号: 19970217

中文关键词: 地面覆盖, 有机覆盖物, 土壤孔隙度

英文关键词: Soil cover Organic mulch Soil porosity

基金项目:

作者	单位
李成华	吉林工业大学
马成林	吉林工业大学

摘要点击次数: 6

全文下载次数: 16

中文摘要:

土壤孔隙度表明土壤中空隙的体积, 与含水量一起共同决定土壤中空气的含量, 进而影响土壤中各种变化的进程和作物的生长。利用有机物覆盖地面可影响土壤孔隙度的变化并改善土壤的特性。通过田间实验, 确定了在不同厚度有机物覆盖层下土壤孔隙度的变化。与无覆盖对照处理相比, 有机物覆盖使0至5 cm土壤表层的孔隙度降低, 却使5至20 cm土壤层的孔隙度增加。

英文摘要:

Soil porosity represents the void spaces of soil, together with moisture content, determines the air content of soil, then influences the soil processes and plant growth. Under soil cover with organic mulch the soil porosity can be regulated for improving soil physical properties. Through field experiment the changes of soil porosity under different thickness of organic mulch were investigated and the results showed that on soil surface layer from 0 to 5 cm soil depth the average soil porosity was decreased in comparison with a bare soil, while the covers increased soil porosity in soil layer from 5 to 20 cm soil depth.

[查看全文](#)

[关闭](#)

[下载PDF阅读器](#)

您是第607235位访问者

主办单位: 中国农业工程学会 单位地址: 北京朝阳区麦子店街41号

服务热线: 010-65929451 传真: 010-65929451 邮编: 100026 Email: tcsae@tcsae.org

本系统由北京勤云科技发展有限公司设计