

农村发展—生态资源环境

土壤动物对土壤质量变化的响应述评

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摘要:

土壤动物对土壤质量指示作用的研究已成为国际土壤生态学领域的热点和前沿课题。文章述评了土壤质量表征指标, 土壤动物指示作用以及土壤动物指示作用与土壤质量的联系现状, 指出了土壤动物作为土壤质量的指示者潜力巨大, 具有坚实的基础和良好的应用前景; 并对未来在土壤动物及土壤动物指示作用领域的研究进行了展望。为我国从土壤动物学角度开展土壤质量健康维持的研究, 以及将土壤动物指标纳入土壤质量评价体系提供参考

关键词: 土壤健康

Review on the Response of Soil Fauna to Soil Quality Change

Abstract:

The biological indication of soil fauna to the environment of soil quality has been a hot issue of general interest in soil ecology around the world. The paper reviewed the indices of soil quality, the indication of the soil fauna and the relationships between the indication of soil fauna and the soil quality. It pointed out that soil fauna had a sound foundation and application prospect to indicate the soil quality. Moreover, the future researches in the field of the bio-indication of soil fauna to the soil quality changes were also prospected. Therefore, expecting and desiring these review can provide theories and practice to soil conservation, soil health maintain, concentrated fertilization and bring the soil fauna to the system of soil quality evaluation.

Keywords: soil health

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