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摘要: 研究长期不同施肥处理措施条件下,大豆在不同生育期中土壤细菌数量的动态变化与土壤微生物总数的动态变化之间的关系及其变化趋势。结果表明,土壤细菌数量的动态变化决定土壤微生物总数的动态变化,各处理土壤中细菌总数由花期逐渐增加,结荚期达最大值,到成熟期明显下降。各个时期土壤微生物量碳的变化与土壤细菌数量的变化趋势一致,有机+无机肥可明显提高土壤微生物数量和微生物量碳。

Abstract: We investigated the relationship and the trend between the dynamic change of soil bacteria quantity and soil microbe quantity at different growth period of the soybean treated at different fertilization. The results showed that the quantity of soil microorganism varied with the changing of soil bacteria. The quantity of soil bacteria showed increasing-decreasing trend from flowering to maturing and maximized at podding stage. The carbon content of soil microorganism behave the same changing trend as that of the quantity of soil bacteria. The treatment of organic+inorganic fertilizer could increase the quantity and the carbon content of soil microorganism obviously.

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