

土壤肥料科学

不同来源腐殖酸对土壤酶活性的影响

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摘要:

本文选用沈阳市东陵区天柱山耕作棕壤, 采用室内培养试验研究了不同来源腐殖酸对土壤酶活性的影响情况。研究表明: 三种腐殖酸均对脲酶、过氧化氢酶起抑制作用, 且以褐煤腐殖酸最突出; 对转化酶和中性磷酸酶均有促进作用。其中, 风化煤腐殖酸对转化酶活性的促进作用较突出, 褐煤腐殖酸对中性磷酸酶活性的促进作用最突出。

关键词: 关键词: 腐殖酸 土壤酶 活性

Effect of Different Sources Humic Acid on Soil Enzyme Activity

Abstract:

In the study we collected cultivated brown soil from tianzhu mountain in shenyang east mausoleum. The effect of different source humic acid on soil enzyme activity was studied in laborafory. The experimental results showed that three humic acid all inhibit the activity of urearse and catalase. The action of lignite humic acid is highest. Three humic acid all promote the activity of invertase and neutral phosphatase, in it the lignite humic acid has highest action on the activity of neutral phosphatase, while the effect of weathering coal humic acid on the activity of invertase is highest.

Keywords: Key words: Humic acid Soil enzyme Activity

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