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腐植酸钠对大豆共生固氮及光合作用的影响

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摘要: 以“和谐”号大豆为材料, 研究了腐植酸钠与根瘤菌剂和不同肥料处理对大豆共生固氮和光合作用的影响。结果表明, 利用腐植酸钠、钼酸铵、根瘤菌剂(КБ11+ММ117)、Ammonium molybdate and leaf sprayed Sodium humate increased leaf area, photosynthetic potential, improved nodule number, weight and nitrogen-fixing efficiency, hence, got the highest seed yield of 2360 kg·ha⁻¹, which was 22% higher than that of control.

Abstract: Soybean was seed-coated with Sodium humate, Rhizobia and other fertilizers, and leaf sprayed with Sodium humate. Among the treatments, seed-coated with Sodium humate, Rhizobia (КБ11+ММ117), Ammonium molybdate and leaf sprayed Sodium humate increased leaf area, photosynthetic potential, improved nodule number, weight and nitrogen-fixing efficiency, hence, got the highest seed yield of 2360 kg·ha⁻¹, which was 22% higher than that of control.

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