

## The Influence of Soil Micro-organism to Cotton *Verticillium* Wilt

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**Abstract:** There were greatly different on the incidence of cotton *Verticillium* wilt in two plots of soil, where there were same variety cotton. In this paper, the content of nitrogen, phosphorus, potassium and the quantity of micro-organism were analyzed on light disease soil and serious disease soil in

Xinxiang city, Henan. The results showed that the content of nitrogen and potassium in light disease soil was higher than serious disease soil, but the content of phosphorus was inverse; the quantity of fungi in light disease soil was less than serious disease soil, but the actinomy was higher. So there were relationship between soil micro-organism and the incidence of cotton *Verticillium* wilt.

**Key words :** cotton; soil ; microbiological population; *verticillium wilt*