

研究简报

草果疫病初步研究*

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摘要 从发病的草果茎秆上组织分离得到草果疫病病菌, 用不同农药进行药剂筛选试验, 经哈茨木霉 (*Trichoderma harzimum*) 不同菌株和病菌在PDA平板上对峙培养, 结果表明: 易保1000倍药液下病菌菌丝无法生长, 百菌清600倍、易保1500倍、春雷霉素400倍药液对病原菌菌丝生长抑制率在60%以上; 哈茨木霉不同菌株对草果疫病病原菌有很好的抑制力, 且药物诱变和紫外线诱变的突变菌株抑菌效果比野生型菌株好。

关键词 [草果疫病](#); [农药](#); [哈茨木霉](#); [菌株](#)

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A Preliminary Study of *Phytophthora cactorum* on *Amomum tsao-ko*

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Abstract

Phytophthora cactorum and were obtained from the stem of *Amomum tsao-ko* that was disease. It grew on PDA mediums added different fungicides, Different strains of *Trichoderma harzimum* and *Phytophthora cactorum* grew simultaneously on PDA medium. The result showed that mancozeb which was added water 1000 times can completely control *Phytophthora cactorum*, and *Phytophthora cactorum* was controlled above 60% on chlorothalonil, mancozeb and kasugamycin, which were respectively added water 600, 1500 and 400 times. Different strains of *Trichoderma harzimum* can control *Phytophthora cactorum*, Moreover, mutants of *Trichoderma harzimum* can control much more than wild strain of *Trichoderma harzimum*.

Key words [Phytophthora cactorum](#) [fungicide](#) [Trichoderma harzimum](#); [strain](#)

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