

Studies on Cotton *Verticillium* Wilt

Control by Fungal Antagonists

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Abstract: From some soilborne fungal isolates isolated or collected, 13 potential biocontrol agents for *Verticillium dahliae* were screened. The results of greenhouse experiments indicated that 13 potential agents lowered the disease inci-

dence and index of *Verticillium* wilt. Among them, T₃₋₄ (*Trichoderma* sp.), THT (*T. hamatum*) and T₂₋₄ (*T.* sp.) showed to be the most effective antagonists against *Verticillium dahliae*. The control effects in the field trails were 38.2%~53.5%, and 13.6%~36.0%, respectively during the first and second summit of *Verticillium* wilt disease.

Key Words: Cotton; *Verticillium dahliae*; bio-control