

The Inhibitory Effect of *Trichoderma* sp. on Mycelial Growth of *Fusarium oxysporum* f. sp. *radicis-lycopersici* and *Alternaria solani*

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Abstract : The direct comparison tests on the culture medium, between *Trichoderma* sp. and *Fusarium oxysporum* f. sp. *radicis-lycopersici* revealed that the latest one could inhibit the growth of *F. oxysporum* mycelial over than 40% compared to the control and that after four days of incubation at 26° C. Moreover, beyond this period and at the end of six days, *Trichoderma* sp. invading the colonies of *F. oxysporum* on what it sporule, thus revealing its power is highly myco-parasitic. Almost similar results were obtained against *Alternaria solani* is also a pathogen which is not causing a lot of damage, but we found it more sensitive to *Trichoderma* sp. with a percentage of inhibition more than 50%. So due to the in vitro test of *Trichoderma* sp. against these aggressive pathogens by direct contact has been found that can inhibit their mycelial growth with high speed and a high inhibition rate.

Keywords : *Trichoderma* sp., *Fusarium oxysporum* f. sp. *radicis-lycopersici*, *Alternaria solani*, biological control, antagonist

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