B-14 Potential of multiplying *Trichoderma koningii* in locally available organic matter

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A study was carried out during the period of Jan 1997-Apr 97, to evaluate the use of 6 types of organic matter (straw, rice bran, coir dust, paddy husk, saw dust and cow dung) as potential sources of multiplying *Trichoderma koningii*.

This experiment was arranged in a complete randomized design with 3 replicates. Equal weights of different types of organic matters were sterilized and inoculated with a spore suspension of *T. koningii*. 4 weeks after incubation at room temperature, the weight increment of *T.koningii* in different types of organic matter was calculated and compared with a synthetic culture medium (Glucose Peptone Bengal Medium).

The performance of *T.koningii* in synthetic culture medium was significantly $p<0.01$) higher than all the tested types of organic matter. However, weight increment of *T.koningii* reared on straw, rice bran, coir dust and paddy husk was higher than that on Cow dung and Saw dust.

Therefore, the organic matters: straw rice bran, coir dust, and paddy husk, could be considered as potential substances in multiplying *T. koningii* in a large scale.