

RESEARCH ARTICLE

Influence of *Pseudomonas putida* on the yield of *Agaricus bisporus* (Lange) Imbach

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ABSTRACT

In cultivation of button mushroom [*Agaricus bisporus* (Lange) Imbach], casing layer that is nutritionally deficient to compost is believed to trigger the fruit body formation and this is conducted by the bacterial community residing in casing layer. Therefore, relationship between different concentrations (1×10^4 , 1×10^6 , 1×10^8 , 1×10^{10} , 1×10^{12}) of bacterial inoculants (*Pseudomonas putida*) and yield of *Agaricus bisporus* were determined. Available data showed a significant difference in yield in respect to concentration of bacterial inoculant added. In addition, concentration 1×10^8 cfu/ml was found to be high yielding concentration, which took minimum case run period together with higher biological efficiency compared to other.

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