

Productivity of different species of oyster mushroom under Tripura condition.

Abstract: *Three oyster mushroom species, viz., Pleurotus sajor-caju, P.flabellatus and P. florida were cultivated at ICAR Research Complex for NEH Region, Tripura Centre, Tripura during the year 2003 for evaluating their productivity on the locally available agricultural wastes. Of the three mushroom species studied, P. sajor-caju gave highest yield with production efficiencies 52.5% and 100.83% on 'Aush'- and 'Aman'- rice straws, respectively. Disinfection of rice straws with chemicals (500 ppm formaldehyde + 75 ppm carbendazim) showed better yield than the conventional disinfection of straws with fumes of boiled water. Apart from rice straw, the use of sawdust, hulled maize cob, maize straw and banana pseudo stem as substrate showed promising, although, mushroom productivity on those substrates was lower than that on rice straw and in the latter two substrates insect (phorid fly) pests harvoured more.*

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