RESEARCH ON THE INFLUENCE OF HYBRID, CULTURE SUBSTRATE AND METHOD OF DISINFECTION ON OYSTER MUSHROOMS - *PLEUROTUS* SPP.

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Abstract

The cultivation of *Pleurotus* mushrooms has a number of advantages from the point of view of the growing technology, and from the economic point of view. Compared with other species of cultivated mushrooms, oyster mushroom are obtained more easily, have greater resistance to diseases, pests and greater variations in temperature, requires no expensive works of cultivation and maintenance. Nutrient substrate used is exploited potential crop cycle because after about 2.5-3 months can be reused in agriculture, as animal feed or soil conditioner.

It is important to note that rapid movement of funds invested is given relatively short cycle of this culture. The profit earned relative to the amount invested in production costs, are between 50-100%.

Analysing the results of production, the most effective method of disinfection is pasteurization, because by this method does not completely destroy the bacterial flora of the substrate, flora which helps develop the mycelium *Pleurotus* spp.

Key words: mushrooms, *Pleurotus*, culture substrate, disinfection