

**SELECTION OF FUNGAL STRAINS LENTINULA EDODES  
(BERK.) INGER. PROMISING FOR CULTIVATION ON STRAW.**

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*The possibility of cultivation on the straw of pre-selected fast-growing strains of shiitake mushrooms (*Lentinula edodes* (Berk.) Singer.). Found that all the strains actively colonize the substrate, but only strain 363 is able to form primordia and is promising to study the possibility of entering into commercial culture.*

***Straw, strain, shiitake, nitrogen, carbon, the ratio S/N.***

Experiment on possible bearing was made of particle size, we have about 20 mm. Strain 365 was noticed in experiments VI St. Thomas [8], which grows well on wood substrate. In strains 360, 361, 362, 371, 372 was marked filamentous brown film, which some researchers associated with the activity of the enzyme tyrosinase and ability to form fruiting bodies. But in the 363 strain colonization took place in layers and substrate were fruiting bodies (fig.)



Fig. Formation prymordiy in strain 363 by colonization straw

Conclusions. Thus, our study we show that this C / N ratio is not enriched our straw gives the possibility to form primordia Vista wood-shiitake mushrooms (*Lentinula edodes* (Berk.) Singer.). To further study and possible intra-intensive industrial products is a promising cultivation strain 363.