

BIOTECHNOLOGY FOR COMMERCIAL CULTIVATION OF EDIBLE AND MEDICAL MUSHROOMS IN UKRAINE'S CONDITIONS

Areas of Application

Cultivation of fruiting bodies of edible and medical mushrooms as high-quality foodstuff and base for biologically active additives (BAA), cosmetic products, etc.

Specification

The process includes spawn cultivation of selected highly productive strains, formation of composition and preparation of selective substrate from agricultural and forestry waste, inoculation, cultivation of spawns and fruiting bodies in substrate blocks under controlled microclimate conditions, as well as conditions for drying, grinding, and extracting biologically active substances to be used in manufacture of BAA and cosmetic products

Advantages

The technology has no counterparts in Ukraine. New mushroom varieties for commercial cultivation; high productivity, environment safety, and purity of products, efficient utilization of agricultural and forestry waste

Stage of Development. Suggestions for Commercialization

IRL3, TRL3
Specifications, staff training, and supervision over compliance with technology regulations are available upon request

IPR Protection

IPR1

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Fruiting bodies of *Agrocybe aegerita*



Fruiting bodies of *Hericium erinaceus*



Fruiting bodies of *Pleurotus eryngii*