CULTIVATION TECHNIQUES OF MILKY MUSHROOM



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INTRODUCTION

- O Milky mushroom (Calocybe indica) is suitable for hot and humid climate.
- O This variety is new introduction to world mushroom family from India.
- Its high biological efficiency, better keeping quality, simple cultivation process and white attractive colour are factors for its popularity.

O It can be cultivated throughout the year.

O Harvested 24 - 28 days after spawning.

O Crop cycle 45 - 50 days.

O Shelf life 3 – 5 days.

O Therefore easy to handling, transportation and storage

Scientific classification:

Kingdom Division Class Order Family Genus

Fungi

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- Basidiomycota
- : Agaricomycetes
 - Agaricales
 - Lyophyllaceae
 - Calocybe

Cultivation techniques

- O Production of spawn
- O Substrate
- O Bed preparation
- O Spawning and spawn run
- O Casing
- O Cropping
- O Harvesting
- O Yield

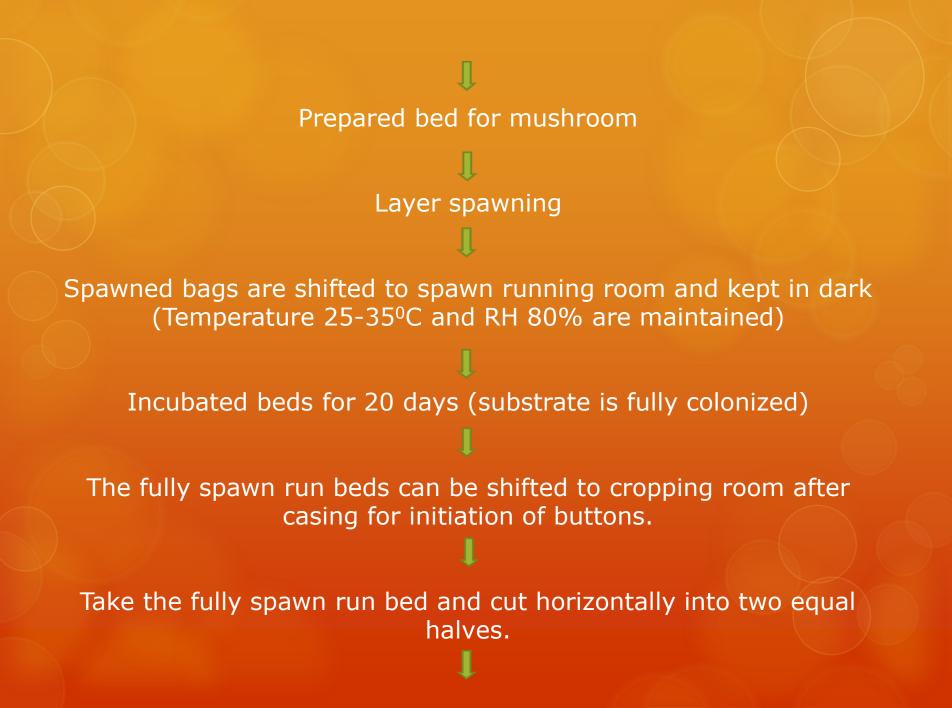


Flow chart

Straw is chopped in small pieces (2-4 cm size) Soaked in fresh water for 8-16 hours Drain out excess water Straw is submerged in hot water for 40 minutes at 80 – 90°C / chemical treatment with Bavistin and formaldehyde / sterilized at 15 lbs for 1 hour

Drain of excess water

Drying at 60-70 % moist level



Compact the beds as much as possible by pressing firmly with hand.

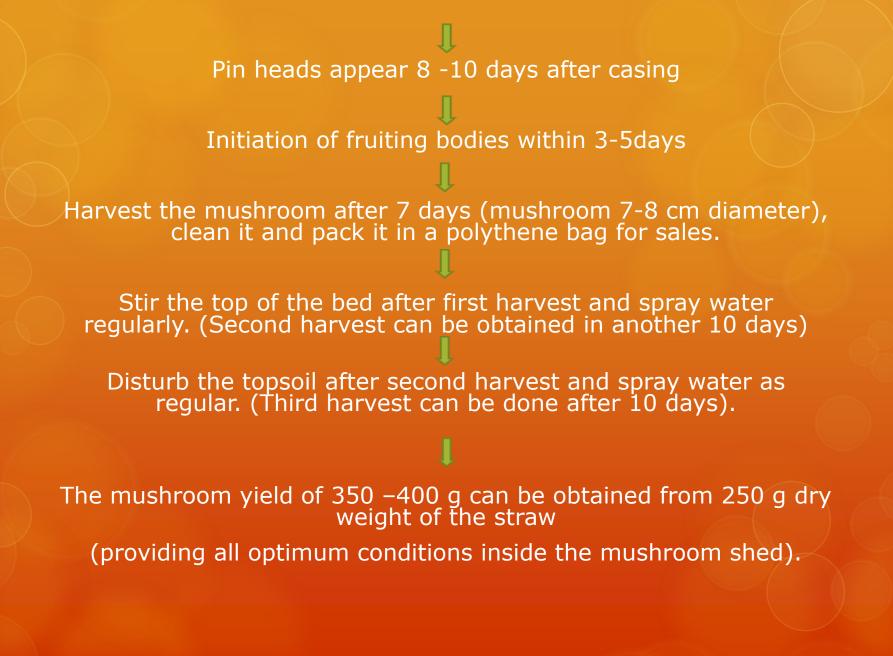
Apply casing soil to a height of 1 cm and press it gently.

Spray the water sufficiently to wet the cased soil.

Beds are to be incubated at cropping room (Temperature 30 - 35°C and RH 80 -90 % are maintained)

Light should be provided for long time (10 -12 hours daily)

Observe the beds daily and spray water, if necessary, to keep the beds wet.



Spawn preparation









Spawn preparation



Boiling (30min)

PVC Rings











Store in trave



Mother spawn





White sorghum grains

Dettol, ethanol, inoculation needle, forceps, spatula, desection needle, match box, kinflim, blade



Plug with non absorbent cotton



Inoculation of bed spawn





Bed spawn







Preparation of beds









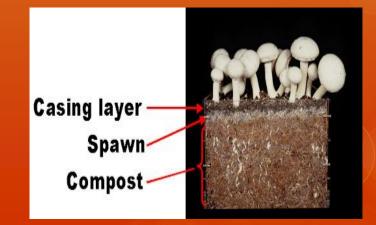


Casing









Harvesting









THANK YOU