

## Fruitbodies

# MUSHROOM PHOTO GALLERY



1	2
3	4
5	6

1. Young fruitbody that comes out opening the styrofoam sealing
2. Mature shiitake fruitbody grown on log
3. Fruitbodies heading for sky (showing negative geotropism)
4. Fruitbodies grown on sawdust block
5. Fruitbodies from white synthetic log on the ground
6. Shiitake gills (still inrolled) and stipe

## Shiitake Growing Facilities



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1. Outdoor shiitake growing on log under trees and shading net
2. High cost shiitake growing house made of steel pipes, plastic sheet, shading net, watering hose & nozzles
3. Low-cost model made of bamboo, plastic sheet, rope and poles; covered with wood branches
4. High-cost model made of steel pipes, plastic sheet, shading net, bracket, etc.
5. Improvised recycled heating system: used boiler, fan and ducts are assembled.
6. Improvised recycled cooling system: radiator from a retired car, fan from wasted air condenser

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## Substrate Preparation



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1. Tree felling and cutting in winter season, the tree's dormant season
2. Workers drilling inoculation holes on logs wear goggles for safety
3. Bag filling machine, shovel, gloves, plastic bags
4. Complicated filling machine (semi-automatic bagging machine)
5. Traditional steam sterilization kiln made of bricks and tarpaulin
6. Double door sterilizer made from steel panel

## Spawning (Inoculation)



1. Low-cost clean bench made of wood and transparent panel
2. Improved modern clean booth; made from sandwich panel rest after building incubation room, air filter from a retired truck, plastic sheet, tape
3. Inside a spawning booth; HEPA filter installed on the ceiling, dust-proof suit, protective mask
4. Spawning sawdust plug spawn into substrate bag (punching a hole and putting thimble spawn)
5. Spawning sawdust plug spawn into log
6. Inject the sawdust spawn into inoculation hole using spawning gun

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## Cultivation

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1. Incubation of logs
2. Column method
3. Water injection through nozzle after removing plastic bags from browned sawdust synthetic logs
4. Synthetic logs with plastic bags removed and water retaining membrane applied
5. Carriers, can be hung on a shoulder like a seesaw, on carts for moving the bags
6. Steel frame for soaking the sawdust block after each flush; operated by hoist



1. Manual trimming and grading harvested shiitake on wooden net
2. Grading belt
3. Sun drying of harvested shiitake on wooden net
4. Modern thermal drying machine
5. Boiling pot for parboiling harvested shiitake
6. Shiitake mushrooms brined in containers

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