

## MUSHROOM CULTIVATION USING STRAW

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Mushroom cultivation in sri lanka is mostly done at household level as a small business. Mushroom cultivation is a profitable business if done correctly. Mushroom have the potential to ensure a sustainable economy as well as nutritional security. Mushroom are a rich , low calorie of fiber , protein, and antioxidants.They may also mitigate the risk of developing serious health conditions, such as heart disease, cancer,and diabetes.

This process is very easy for people because need low cost, small space. This method is very health and can use to consumption and sell. All ages peoples useful to needs of protein. Mushroom contain very high protein therefore lot of people like mushroom and lot of people buy it. So it have very market demand and it is very economical business.

Ingredients are Straw ( non –perishable and dry ) 5 kg , Ash chalk 10 g , Samaposha or soya piti , Mushroom seed

Method is that wash straw with clear water and put the straw into container . Then add ash chalk after fill with the right amount of water . Then heat and the straw will be sterilized ( 2 hrs) . Then straw slightly dried as 65% water to decrease.

Fill the straw into basket (about 2 inches height ) . Then add samaposha or soya piti / green gram as a nutrient medium. Then introduce the mushroom seed into it as uniform spread (25-30seed) . Then again add straw layer ,

nutrient layer and mushroom seed. This is collected until the container is full. After cover the black polythene.

Then the basket are introduced into dark place. After 2 week remove the back polythene bag. This stage spray water 2-3 times per day. it needs sunlight - 75 percent. Then can harvest after mushrooms have developed.

In this method , banana dry leaves can be used instead of straw. This way can easily produce mushroom .

Key word- Mushroom cultivation

Cultivation of mushroom using straw

Using Straw mushroom cultivation

Mushroom

Straw , banana dry leaves using for mushroom cultivation.

