Rough Estimates for button mushroom unit

A simple program has been written for rough estimates of white button mushroom (copyright ICAR-DMR) that will be available to the growers shortly. We are attaching a sample output of the same as downloadable pdf. In addition, it contains answers to the commonly asked questions. You may post your queries to pme.mushroom@gmail.com as detailed below along with your email, address and telephone number. As it is intended for Indian conditions, the queries only from within the country will be relevant.

Sr No	Query	Input required
	Crude estimates of land and cost of a project	The amount of mushrooms to be produced per year
	Rough estimates of specifications of rooms, tunnel, bunker, etc	1. The amount of mushrooms to be produced per year 2. You may also provide information on: • No. of rows of stands per room, • No. of shelves of each stand, • Biological efficiency expected, • No. of crops in a year and • Length breadth ratio of cropping room (in case of no information on above, the values are taken as 2, 5, 20, 6 and 3, respectively)
	How much compost in a room	Length, breadth and height of room in feet
	How much compost will be produced in a tunnel	Length and breadth in feet Optional: proposed to be filled up to 5, 6 or 7 feet
	Size of tunnel required for a given quantity of compost	Compost output required
	How many holes in tunnel floor	Dia of holes proposed Per cent free area desired
	Cropping cycle	Total number of rooms Total crops per year
	Specifications of bunker of any size	Length and breadth of the bunker
	TR required	Compost per room Total number of rooms
	Size of main and sub-ducts in cropping rooms with five shelves	Number of sub ducts Number of holes Dia of each hole CMH of AHU fan
	Any other query	You may write details of any other query. The query will help us to update the program for additional questions. Some of the questions can take time if these are not already part of the program The program is intended for rough and preliminary estimates and is not a substitute for a project report. For details you may contact Director ICAR-DMR, Solan. We prepare techno economic feasibility reports for button and other mushrooms.

Rough Estimates for Spawn Lab

A simple program for rough estimates of spawn production capacity required; facilities, equipments, chemicals/raw materials and infrastructure required for a spawn lab of a given capacity has been written (copyright ICAR-DMR, Solan). A sample output is attached as downloadable pdf.

S. No	Query	Input required
	Rough estimates of spawn lab	• Target spawn production per day (single shift) • Number of operation days of lab • Days of incubation room • Proposed sale rate (Days of incubation is taken as 20 and rate as Rs 80 per kg if no information is provided)
	Spawn requirement for a commercial unit and quantity to be produced daily	• TPA of unit • Biological efficiency • Spawning rates to be followed • Number of operational days of spawn lab Or • Compost per room • Total number of rooms in the unit • Number of crops per year per room • Spawning rate • Number of operational days of spawn lab
	How to prepare and maintain a culture and judge its degeneration	• The mushroom species proposed to be grown/cultured • Present practices being followed • Any observation on sectoring/fluffyness/change of growth rate
	Size of autoclave for sterilizing given quantity of spawn (in kg)	• Number of bags proposed to be autoclaved in one shift
	Size of kettle	• Quantity of spawn proposed to be produced in one shift
	Size of incubation room	• Quantity of spawn to be produced daily • Number of days of incubation
	Size of cold room	• Quantity of spawn proposed to be stored
	Any other query	You may write details of any other query. The query will help us to update the program for additional questions. Some of the questions can take time if these are not already part of the program The program is intended for rough and preliminary estimates and is not a substitute for a project report. For details you may contact Director ICAR-DMR, Solan.