

This Cold System Averages 175% BE



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Five Steps in the Cold System:

- 1) Substrate Preparation and Sterilization
- 2) Column Filling, Inoculation and Compression
- 3) Colonization Control - HIGH CO₂
- 4) Fruiting Control – LOW CO₂
- 5) Harvesting and Marketing

Step 1: Substrate Preparation and Sterilization

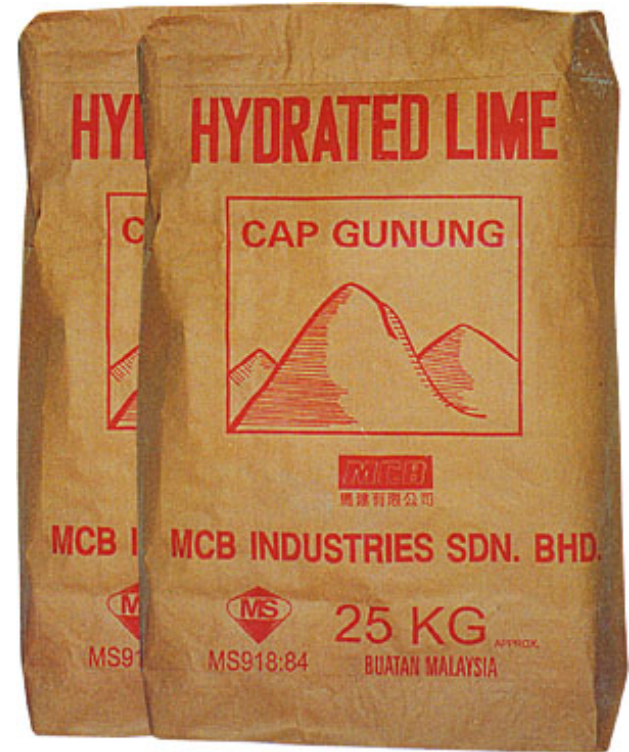


Ways to Sterilize Substrate

Step 1: Substrate Preparation and Sterilization



Chlorine or Bleach



Hydrated Lime

Step 1: Substrate Preparation and Sterilization



Column Filling, Inoculation and Compression



Lock Ring to Hold Bag

Column Filling, Inoculation and Compression



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Compression is Critical



Column Filling, Inoculation and Compression





Colonizing Control - HIGH CO₂



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Colonizing Control - HIGH CO₂

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Ready to Fruit



Special Design Grow Rooms – Maximize CO2 control

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Container Grow Rooms



Fruiting

Fruiting



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Manage Fruiting with CO₂ Control



Typical Timeline: 5000 – 8000 kg/mo

1 day per week inoculation

**80 columns per week: 25 cm x 1.8 m
wt = 45 kgs**

21 days colonization time

**on Day 24: harvest 100% BE = 12.7 kgs
per column**

**Total harvest by day 56 = 22.3 kgs
per column**