



HOT PILE HOME COMPOST BIN

SCB-100

Never Tried Composting Before ?
Start Composting with Spintech Hot Pile Compost Bin.

It is innovative food Waste disposal unit that is incredibly simple to use.



- Your Compost bin kit is provided with
- One Compost Bin
- One iron frame used as partition
- One tap for draining the leachate
- One L type tool



VARIOUS CAPACITIES OF COMPOST TUMBLER AVAILABLE



SPINFORM PLASTICS PVT. LTD.

B-37/2, MIDC Chikalthana, Aurangabad - 431 006.

Tel. : 0240-2486476, Cell.No. : 8855813902

E-mail : spinformplastics@gmail.com Web : www.spinformplastic.com

Easy to Set Up and Use

Installation:

- 1) Prepare platform of cement brick or paver blocks to rest the bin.
- 2) Place the bin on the platform, put the threaded tap at side bottom. Fix the iron frame in the position provided in the bin.
- 3) Spread 2 or 3 folds of news paper or corrugated carton on iron frame to protect waste from falling down.
- 4) Put 50mm or 2" layer of shredded dry leaves / coco peat on the partition plate.

Compost Making:

- 1) Collect your home organic waste, cut into small pieces (1 or 2 inch) and put into small bucket and transfer the chopped waste into bin.
- 2) After putting the waste, level the surface of waste heap by small shovel. Add one small layer of ready compost on it to cover the organic waste. You can also add cowdung or buttermilk to initiate the aerobic decomposition process. For the first batch you can also add one table spoon of bacteria culture to accelerate the the process. Close the lid after putting waste.
- 3) Follow this procedure till your bin is half full. There after mix the waste thoroughly.
- 4) Again go on adding waste regularly along with compost and culture till the bin is full.
- 5) The pile has to be kept at optimum level of dampness. If it is too wet, add dried leaves/ shredded paper and mix. If it is too dry, sprinkle some water and mix.
- 6) For normal household it takes 5 to 8 weeks to fill up the bin. By the time your bin is full you will find that some compost is falling down from partition frame into compost collection box. If compact you can remove the compost with the help of L type tool provided in the kit.
- 7) Make it a practice to remove the compost weekly to make space for fresh waste.
- 8) If you find leachate in the compost collection box, remove it with the help of tap as and when required.

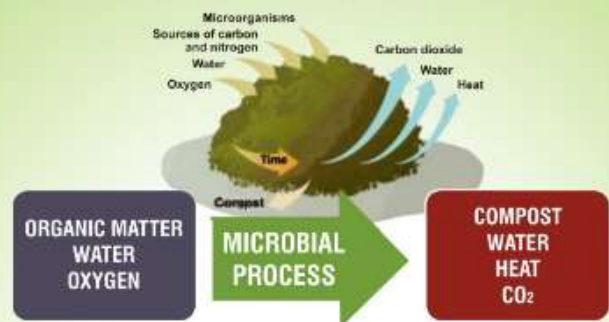
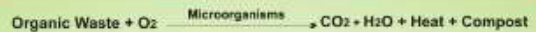
Points to be considered while making Compost :

- 1) Waste material should not be too moist or too dry.
- 2) If dry sprinkle water. Water content should 40% to 60%. If less than 40% composting slows down and if more than 60% it forms mud and aeration does not take place and composting bacteria dies for want of oxygen and gives smell and composting stops.
- 3) Avoid water going to bin along with waste. Prefer to use perforated pot for storing waste.
- 4) If waste has excess moisture please drain it first and put thereafter into the bin.
- 5) Add compost culture if incidence of smell or insects occurred.
- 6) Always insure that there is good air circulation inside the bin.

Salient Features:

- Bin is made out of UV Stabilized Polyethylene which is rustproof and last long. Thick skin gives structural stability to the bin as well as retain the heat evolved during composting to accelerates the process.
- Ventilation holes all around gives adequate supply of oxygen to thrive the microbes and to increase their population and rapid composting achieved.
- It is fully enclosed for excellent odour control.
- Tap at bottom provided to remove Leachate.
- It is colourful aesthetic in look, matches to your land scape and interiors.
- Door is provided for removing compost.
- Adequate capacity for average Indians houses, Composting compartment @ 70 Ltr and Compost collection compartment @ 30 Ltr.
- Can take waste (green + brown) up to 1 to 1.5 kgs daily
- Dimensions (Approx) : Height 28" with lid x Width 21" (A/C) & 18" (A/F)
- It is Continuous composter with waste added into the top of bin and compost removed via the door located at bottom.

AEROBIC COMPOSTING PROCESS



WHAT TO COMPOST

Green Materials Rich in Nitrogen



Brown Materials Rich in Carbon



KEY FACTORS TO COMPOSTING

C:N Ratio	• The range between 25:1 to 40:1 efficient process
Surface Area & Particle Size	• The smaller the size the faster the process
Aeration	• Air circulation enhances aerobic decomposition
Porosity	• Spaces between particle enable supply of oxygen
Moisture Content	• Optimum moisture content is 50% to 60%
Temperature	• Optimum temperature range is between 32° to 60°C
pH of Material	• Optimum pH ranges between 6.5 to 7.5