

## SETUP INSTRUCTIONS

### Installation of the bucket

Arrange the tap and screw it tightly on the slot at the bottom of the Smart Bucket.

Place the sieve inside the bucket.

Sprinkle 3-4 teaspoons of decomposer over it and leave the bucket with the lid closed until needed.

### Filling the bucket

Put your day's worth of organic waste into the bucket and sprinkle 3-4 teaspoons of decomposer over it.

You need to sprinkle 3-4 teaspoons of decomposer each time you put your organics in the bucket.

Close the lid as soon as you put the organic waste into the bucket as it may attract flies. Wash the lid if you see flies or their larva.

### Fermentation

When the bin is full, close the lid tightly and store the bin a cool and dark place for up to 4 weeks.

Check the bucket every few days until you see white mold and there is a sweet smell of fermentation.

Use the second bucket while the first one is fermenting.

### Composting

Layer equal amount of fermented compost with soil in a box.

Place the box in a shady place for 2-3 weeks for it to cure, after which the compost is ready to be used in your garden or in your plants.

### Leachate collection

Drain the liquid/leachate once a week from the tap.

Leachate is nutrient rich with beneficial microbes which can be used as fertilizer. However, make sure that you dilute the leachate in water at a 1:10 (1 part leachate to 10 parts water), before you use it as fertilizer.

You can also use the leachate in your drainage or septic tank to decompose organic matter faster.

## सेटअप निर्देशन

### बाल्टिन सेटअप

प्लास्टिकको टुटीलाई बाल्टिनसँगै दिएको रबर वाशरको सहायताले जोडनुहोस ।

बाल्टिन भित्र चाल्नी राख्नुहोस ।

३/४ चियाचम्चा डिकम्पोजर त्यसको माथी छर्कनुहोस ।

प्रयोग नगरे सम्म बिको कसेर बन्द गरेर राख्नुहोस ।

### बाल्टिन गर्ने

आफ्नो दिनभरिको जैविक फोहरलाई बाल्टिनमा राख्नुहोस र त्यसको माथी ३/४ चियाचम्चा डिकम्पोजर छर्कनुहोस ।

तपाईंले प्रतेक पटक जैविक फोहरलाई बाल्टिनमा राख्दा ३/४ चियाचम्चा डिकम्पोजर छर्कनु आवश्यक हुन्छ ।

तपाईंले जैविक फोहरलाई बाल्टिनमा राख्नुसाथ बाल्टिनको बिको जतिसक्दा चाँडो बन्द गर्नुपर्छ किनभने यसले भिङ्गा आकर्षित गर्नसक्छ । यदि तपाईंले भिङ्गा वा इनको लार्वा देख्नु भयो भने एकपटक बिको धुनुहोला ।

### किण्वन प्रकृया

बाल्टिन पूर्ण रूपमा भरिएपछि बिको बन्द गर्नुहोस र बाल्टिनलाई शीतल र अथ्यारो ठाँउमा ४ हप्तासम्मलाई राख्नुहोस ।

जबसम्म तपाईंले सेतो हुसी देख्नु हुदैन र त्यसबाट मिठो गन्ध आउदैन तबसम्म प्रतेक केहि दिनमा बाल्टिनको जाँच गरिरहनुहोस ।

बाल्टिनबाट तरल प्रदार्थलाई टुटीको मार्फत केहि दिनमा निकाल्नुहोस ।

पहिलो बाल्टिनमा प्रकृया हुने बेलामा दोस्रो बाल्टिनको प्रयोग गर्नुहोस ।

### मल खाद गराउने

दुई हप्ता पछि एउटा भाडो या कागजको बाक्समा बराबर मात्रामा मल खाद र माटो तह तह गरेर राख्नुहोस ।

भाडो या कागजको बाक्सलाई छायादार ठाँउमा २३ हप्तासम्म कुहिनलाई राख्नुहोस । त्यसपछि मल खाद तपाईंको बगैँचा अथवा बोटविरुवामा प्रयोग गर्नलाई तयार हुने छ ।

### लिचेट सक्लन

कुहिरहेको फोहरबाट निस्किएको तरल प्रदार्थलाई लिचेट बाल्टिनको टुटी मार्फत हप्तामा एक पटक सङ्कलन गर्नुहोस ।

यो तरल पदार्थ राम्रो मल हो र यसलाई तपाईंले आफ्नो बगैँचामा प्रयोग गर्न सक्नुहुन्छ ।

(लिचेटलाई पातलो पार्ने अनुपात - १ भाग रल प्रदार्थ : १०० भाग पानी)

## COMMON ISSUES AND SOLUTIONS

### There are maggots in my bin

Maggots are fly larvae and are lured by garbage, leftover food, Manure and moist rotting material and are harmless and may even help the composting process by breaking down organic material

Avoid food with excessive gravy.

If maggots appear on the bucket lid make sure you wash the lid once a week.

### I poured too much decomposer

Using too much decomposer does not cause any adverse effect to the composting.

### I have too much rotten or moldy waste

Even though it is advisable to add fresh waste to your Smart Bucket, the decomposers will work their magic on all kinds of waste. However, fresh waste is preferable as rotten and moldy waste attracts maggots.

### I just dumped large sized vegetables/fruits chunk

The larger the size of food waste, the longer it takes to compost. Make sure to chop vegetable/fruit waste into smaller pieces before placing it into the bucket.

### I have kept my smart bucket near the window under direct sunlight

Avoid placing it under direct sunlight.

### I have too much of left over gravy

Please avoid putting excessive fluids or water.

### How often do I wash the bucket?

You must wash the bucket after each use. The nutrient rich water can be used to water plants and vegetables.

### No compost is forming in my Smart Bucket

The major misconception of this process is that ready-to-use compost forms inside the Smart Bucket. Our Smart Bucket only enhances the decomposition of food waste with the help of microbes. Turning the decomposed organic waste to ready-to-use compost is possible only through the maturation/curing process. You need to complete both steps to create effective compost.



Bucket setup  
बाल्टिन तयार गर्ने



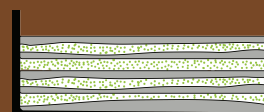
Filling the bucket  
बाल्टिन भर्ने



Sprinkling decomposer  
डिकम्पोजर छर्कने



Leachate collection  
लिचेट सक्लन



Composting  
मल खाद गराउने

## ABOUT YOUR SMART BUCKET

Smart Bucket is an environmental friendly, easily adaptable and easy to use indoor technology for handling of the kitchen waste into value added compost. This kit not only manages the kitchen waste but also produces compost that can be used in garden, rooftop farming etc.

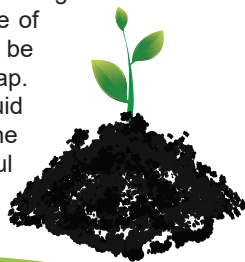


A kit of Smart Bucket is designed to manage the kitchen waste of the family of 4-5 members for about 25-28 days. The number of the Smart Bucket can be added as per the size of the family members. The whole process from waste to ready to use compost takes about 60-90 days dependent upon the proper handling of the kit.

### Technology:

The Smart Bucket kit is designed for indoor use. As the kit uses aerobic fermentation by environment-friendly indigenous microbes like *Saccharomyces* sp. and *Trichiderma* sp. to decompose organic waste. The conversion of waste into compost takes half the time of conventional composting methods which uses anerobic oxidation. These microbes even eliminate foul odour and pests usually associated with decomposition.

The liquid (leachate) formed during the decomposition process drains through the strainer to the lower surface of the bucket, which can then be drained out from the bucket's tap. Frequent draining of the liquid (leachate) will prevent the compost from generating the foul odour.



## WHAT CAN I COMPOST?

### THROW IT IN



Fruits and Vegetables



Egg Shells



Bakery Items



Coffee Grounds



Cheese, Butter, Curd/Yogurt



Cooked Food

### KEEP IT OUT



Meat & Bones



Metal



Glass



Cigarette Butts



All Plastics



Animal Waste

| S.N. | Component    | Quantity |
|------|--------------|----------|
| 1    | Smart Bucket | 2 pcs    |
| 2    | Lid          | 2        |
| 3    | Strainer     | 2        |
| 4    | Decomposer   | 2 (1kg)  |
| 5    | 5 Tap        | 2        |
| 6    | Shovel       | 1        |

# Smart Bucket

Fast \* Easy \* Compact \* Convenient

Promoted by:



Manufactured by:



Waste Less I Live Better