

SWACHH ECO POTS PLANTER & COMPOSTER URBAN HORTICULTURE- VEGETABLE GARDEN

Swachh Bharath Listed :

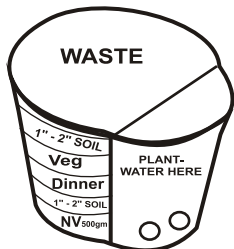
Sanitation II Proven Tech 12

http://www.indiawater.gov.in/misc/InnovationProvenTech_Rep_S.aspx

1. **COLLECT WASTE:** Use Tub (3-5 Liters) with Lid for Dinner waste ,vegetable peels & left overs, garlands Non-vegetarian waste.



2. **COMPOST:** Fit separator in Ecopot. In **Plant part:** fill with home soil and insert seed/ Seedling plant. **Waste part:** Dump NV in bottom & cover with 1"-2" soil. Then dump dinner waste (D), vegetable wastes (V). Finally cover with 1"-2" soil. Earthworm, Cow Dung, Bacteria can be added to waste, but not needed



3. **CARE:** Water only plant part. Seed: 5-10 ml, 1"-4" plant 20- 30ml, 4"-1' 30-200ml, 1' and above plant-500-1000ml. Do not water waste part. Keep pots in open space, balcony, and terrace. Compost old plants in waste part. Use plants for that season. After 21 days, dump waste and cover with soil as before. **" Use 500gms of NV &, 5-6 liters of veg. wastes in waste part."**

4. **CASH:** Save vegetable costs-chemical free vegetables @ home. Get free Oxygen (each leaf produces 5 ml/hr of O2). Enjoy gardening & reduce tensions.

- ❖ **EASY 5 MINUTE/ DAY, NO SMELL. LOW COST.**
- ❖ **NO SKILLS NEEDED- EASY TO LEARN & RELAXING**
- ❖ **GROW CHEMICAL FREE VEGETABLES @ HOME**
- ❖ **ORGANIC WASTE IS THE MANURE**
- ❖ **SAVES MONEY, HEALTH & ENVIRONMENT**

CONTACT

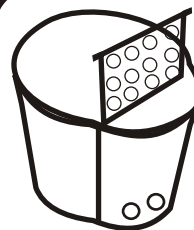
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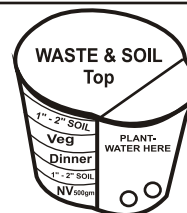
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USE



1. **Fit the separator** in the groove inside the pot & top ribs. For climbing plants insert a 3/4inch PVC pipe in Plant part.

2. **Plant part:** fill full with loose home soil. Add water to set. Make 1cm/0.25 cm deep pits for big / small seeds. Drop big/small seed & cover with soil. Water 5-20 ml/ day till germination. Keep in low sunlight till 4-6 leaves form. Then shift to more sunlight. OR plant a sapling & water.



3. **In waste part,** dump organic wastes and cover with 2-5 cms of home soil. Don't water waste part., Put Non-veg wastes in bottom covered by 3 cms of soil, then dinner wastes, vegetable peels on top & finally cover with 2-5cms of soil. Keep Ecopots in balcony/ roof top in sunlit areas for good plant growth.

Seeds: Big:1cm pit: beans, gourds (snake, ridge, etc.) pumpkins, peas etc.:

Small flat seeds: 0.25cm pit: chilly, tomato brinjal, greens, capsicum, pallak, beet, carrot etc. Add Coir pith in pit for less water. Hard soils need sand, pith, to soften for root penetration. Soil testing can adjust fertilizer& micro-nutrient priming. Use plants for that season. For summer a low cost greenhouse preserves plants against heat. Brinjal, ladies finger tolerate summer better.

Insects: Grind and paste equal parts of 10Gms each garlic, chilly, pepper. Dilute with 500 ml water& filter. Add neem oil if needed. Spray on stem & under surface of leaves as needed. Shampoo/soap may help spread this spray better. The pot is **bioactive & decomposes organic wastes** (veg&NV) with no smell. No need for turning, watering wastes. Composting step is eliminated. Ecopot vegetables are chemical free- organic-may reduce food cancers in long term. Recompost old/ sick plants for manure!

Clean home&city initiative- use up all organic wastes for plants- no street throwing-no landfills needed! Plants reduce CO2, add O2& give food. Ecopot garbage garden in balconies, roof top is a green cool home.

Ecopot garbage garden: Use 20 pots in 30sq.Ft for serially using wastes. Plant 3-4 plants of same variety for more vegetable yields! Use 2 different plants in same pot for reducing pests. **Summer:** install green house-all year yields!

Our Worlds is .getting warmer, to cool grow more plants. This alone can save Earth- a plant kingdom- all animals are parasites on plants. Your kids can manage Ecopot garbage gardens! **Thanks for greening earth.**

AWARDS : DSTLM GOLD MEDAL
CIPET INNOVATION AWARD & OTHERS