

Foolproof Methods of Composting

CREATED BY PUJA
JAWAHAR



WELCOME TO MY
GARDEN. EVERYTHING
HERE HAS BEEN
GROWN USING WASTE.



APPROXIMATELY 40 % OF THE GARBAGE WE GENERATE IN
INDIA IS ORGANIC WASTE... AND CAN BE COMPOSTED

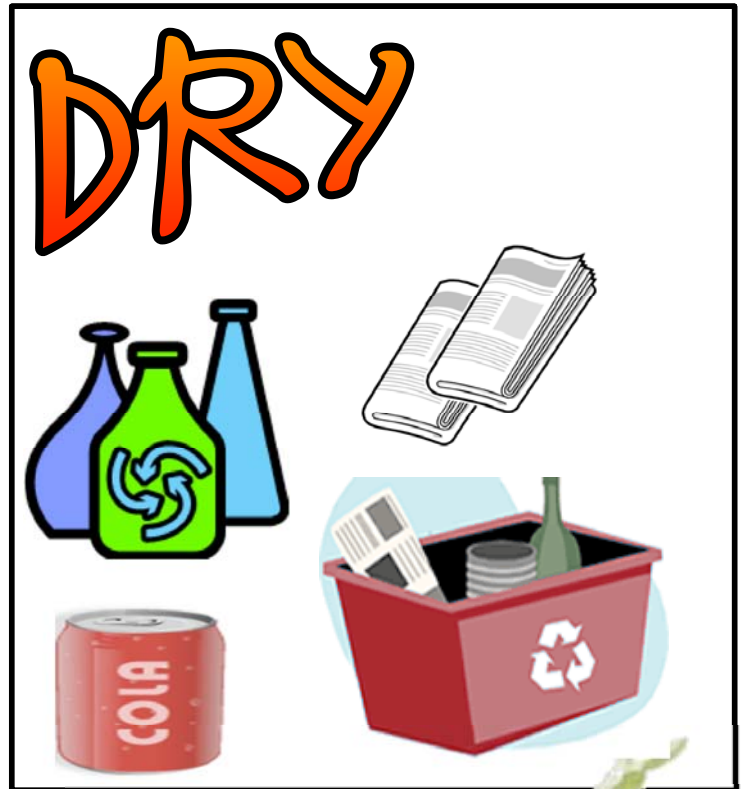
YET... ONLY ABOUT 5 PERCENT OF MUNICIPAL WASTE IS
COMPOSTED, THE REST IS DUMPED IN LANDFILLS

WE HAVE A CHOICE...
EITHER CONVERT OUR
GARBAGE INTO FANTASTIC
FERTILIZER....

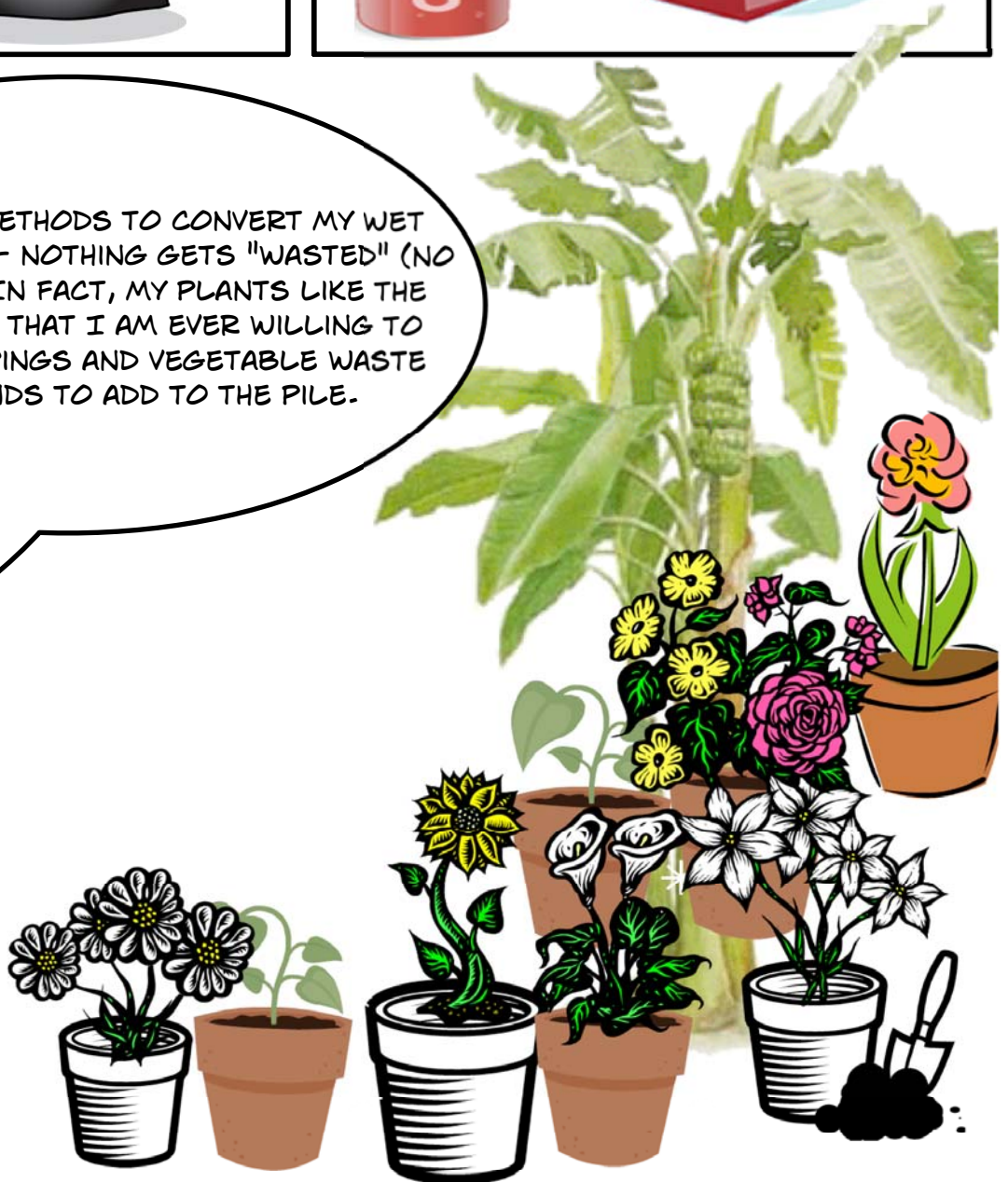
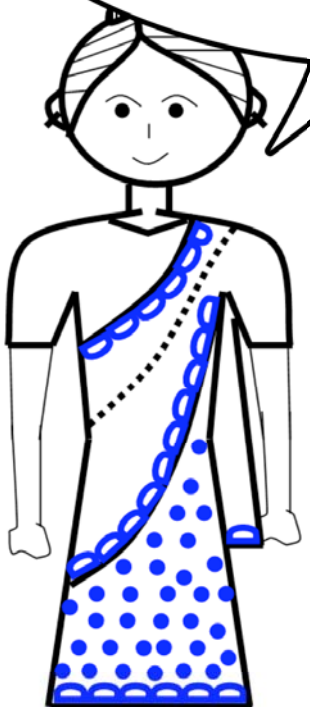
... OR LET OUR
LANDFILLS GROW
HIGHER...



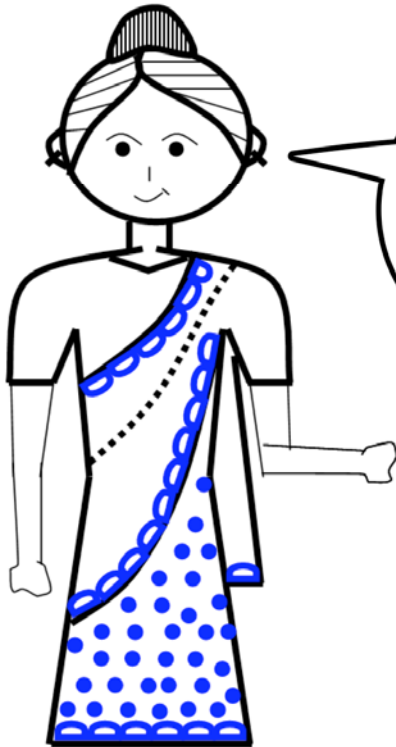
ALL "WET" GARBAGE CAN BE COMPOSTED
... DRY GARBAGE HAS TO BE RECYCLED



I USE DIFFERENT METHODS TO CONVERT MY WET WASTE TO COMPOST - NOTHING GETS "WASTED" (NO PUN INTENDED) ... IN FACT, MY PLANTS LIKE THE COMPOST SO MUCH THAT I AM EVER WILLING TO TAKE GARDEN CLIPPINGS AND VEGETABLE WASTE FROM MY FRIENDS TO ADD TO THE PILE.



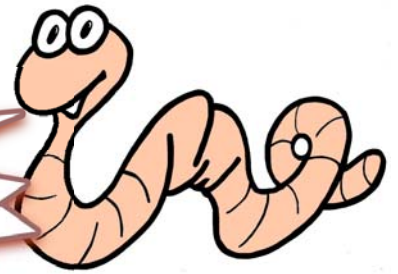
Vermicomposting



COMPOSTING USING EARTHWORMS IS ONE OF THE SIMPLEST METHODS TO MAKE NITROGEN RICH FERTILIZER

ONCE YOU MAKE THE BED OF THE PIT WITH COWDUNG, HUSK, AND VERMICULTURE... THE PIT IS READY TO USE. KEEP FILLING WITH WASTE AND A SMALL AMOUNT OF COW DUNG

WE LOVE WASTE !!!



You will need...

Earthworms or Vermiculture

Cowdung

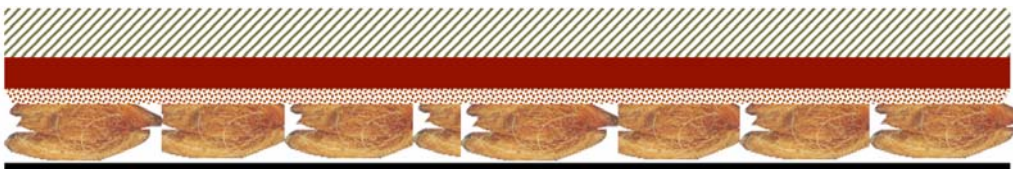
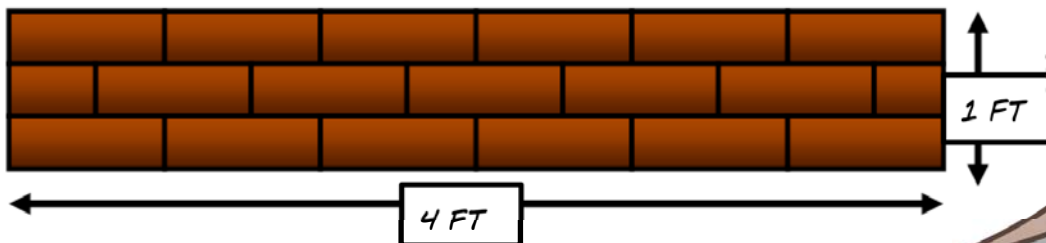
Bricks

Coconut husks or straw

a sheltered area

Method

MAKE A 1x4x2 FEET STRUCTURE IN A SHELTERED SPACE

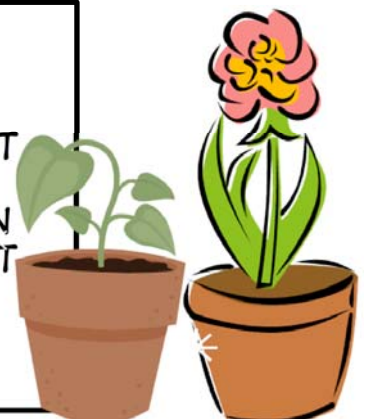


WASTE
250 GMS VERMICULTURE
COCONUT HUSK/STRAW
2 INCHES COW DUNG

ONCE FULL ... LEAVE THE PILE FOR ABOUT 60 DAYS AND REPEAT THE PROCESS IN A SIMILAR STRUCTURE.

WHEN THE COMPOST IS READY, TAKE IT OUT FROM THE PIT LEAVING ABOUT 4 INCHES OFF THE BOTTOM. THE EARTHWORMS PRODUCED FROM THE CULTURE WILL REMAIN SHELTERED AT THE BOTTOM. REUSE THE PIT TO COMPOST WASTE WITHOUT ADDING ANY FRESH VERMICULTURE

* DO NOT ADD COOKED FOOD FOR THE FIRST 15 DAYS



Bio-Culture

USING BIO-CULTURE TO COMPOST CANNOT GET EASIER... AFTER PREPARING THE POT, JUST DUMP YOUR WASTE TO THE POT AND LET IT DO ITS JOB.

- 1) THE DECOMPOSING WASTE RELEASES WATER AND SO IT NEEDS LESS WATERING.
- 2) IT IS VIRTUALLY MAINTENANCE FREE

To prepare the pot...

You will need...

Bio-culture

Coconut husks or straw

A pot

A plant

Enough Waste

BIO-CULTURE

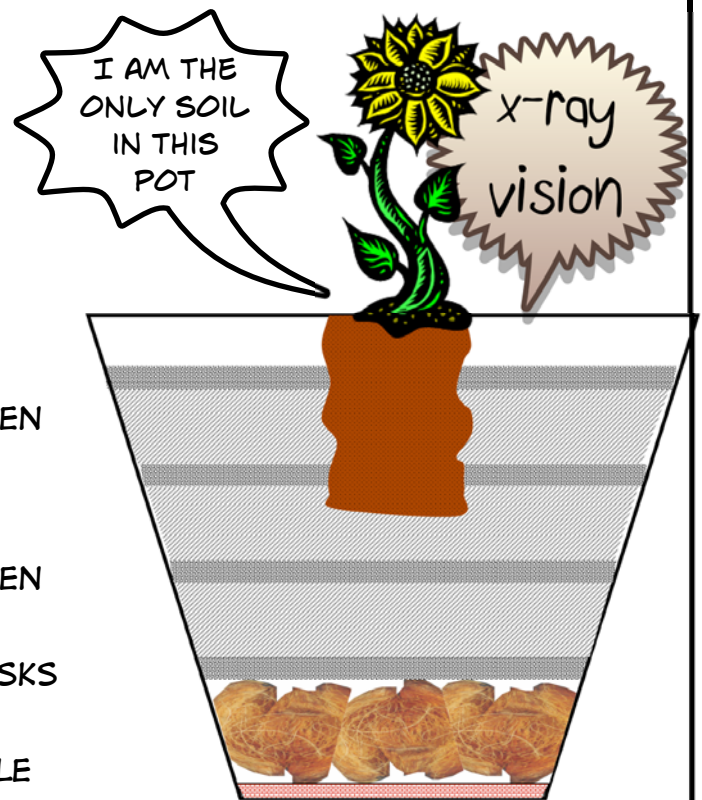
WASTE/GARDEN
CLIPPINGS

BIO-CULTURE

WASTE/GARDEN
CLIPPINGS

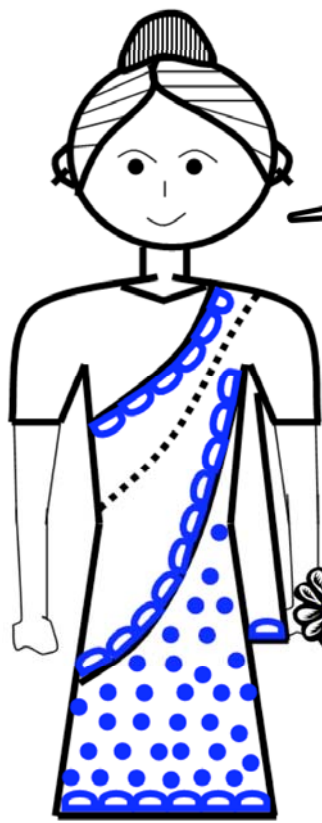
COCONUT HUSKS
OR STRAW

PIECES OF TILE



USE ABOUT A KILO OF
BIO-CULTURE FOR A
LARGE POT. ADD COW
DUNG ONCE IN 2
MONTHS TO INCREASE
MICROBIAL ACTIVITY

I GROW FRUIT TREES
USING THIS METHOD. I
ALSO USE BIO-CULTURE
TO PREPARE VEGETABLE
BEDS ON MY TERRACE



BEFORE YOU BEGIN, MAKE SURE THAT YOUR TERRACE IS ADEQUATELY WATERPROOFED AND HAS PROPER DRAINAGE SO THAT WATER DOES NOT COLLECT

LIKE PREPARING THE POT, PREPARE THE BED BY FIRST LAYING A THICK PLASTIC SHEET AT THE BOTTOM.

LAY BRICKS ON ALL SIDES TO CREATE A WALL (2 BRICKS IN HEIGHT)

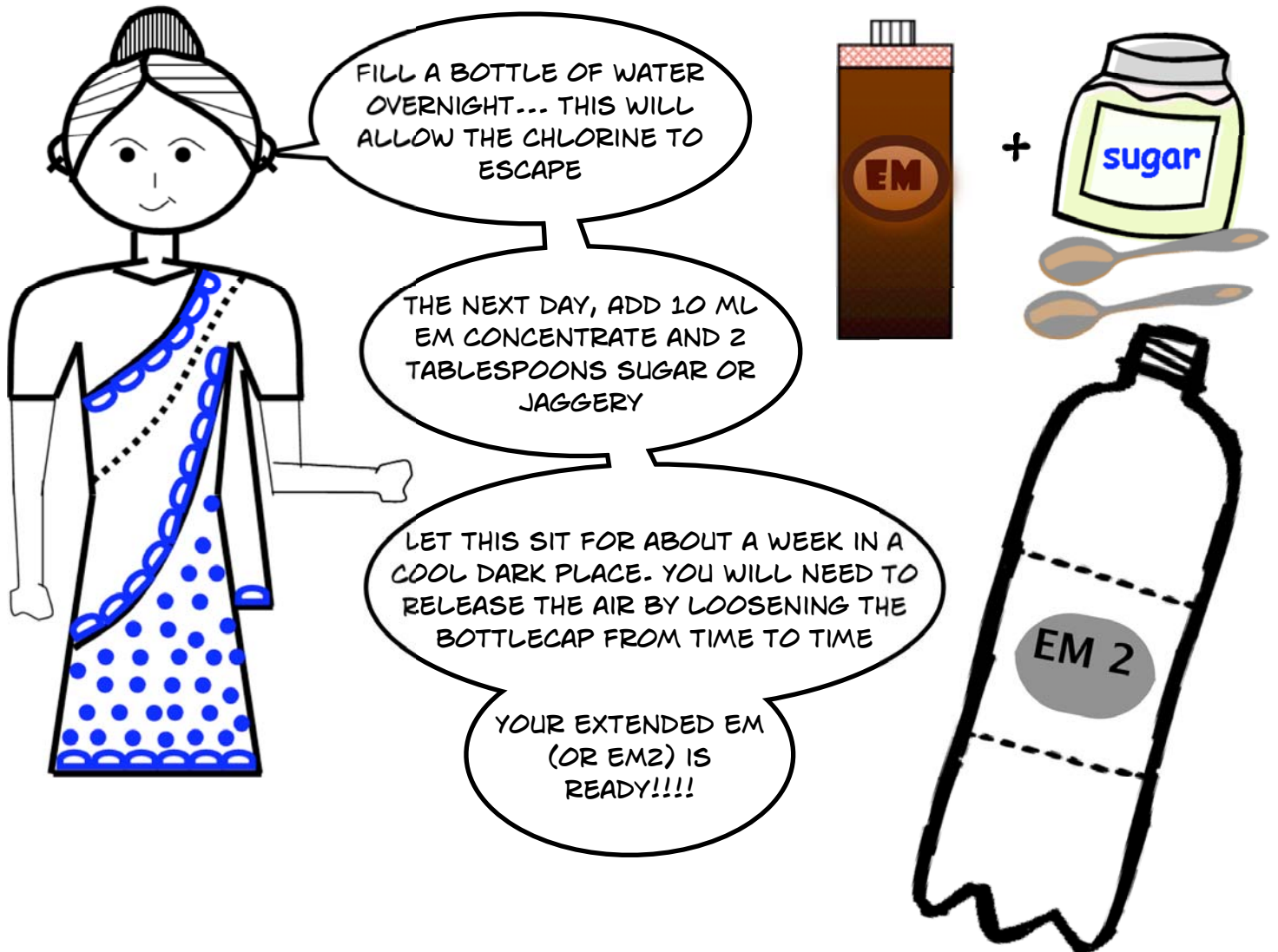
FOR A 3 X 3 FEET BED, YOU WILL NEED ABOUT 5 KGS OF BIO CULTURE
ADD COW DUNG EVERY 2 MONTHS TO BUILD MICROBIAL ACTIVITY
YOU MAY ADD...



....TO GROW A VEGETABLE GARDEN ON YOUR BALCONY.
I HAVE VERY SUCCESSFULLY GROWN A BANANA TREE, GRAPES,
VEGETABLES... CORN - ALL OUT OF WASTE ON MY ROOFTOP.

Effective Micro Organisms

BEGIN BY ACTIVATING THE LATENT MICROBES IN THE EM TO MAKE EM 2...



RICE WASH EM FURTHER ENHANCES THE PROPERTIES OF EM AND MAKES IT CHEAPER TO USE. THIS TOO IS VERY EASY TO MAKE

WHEN WASHING RICE TO COOK, COLLECT THE RICE WATER IN A BOTTLE*
.... (250 GMS RICE SHOULD GIVE ABOUT 1 LITER OF RICE WASH)

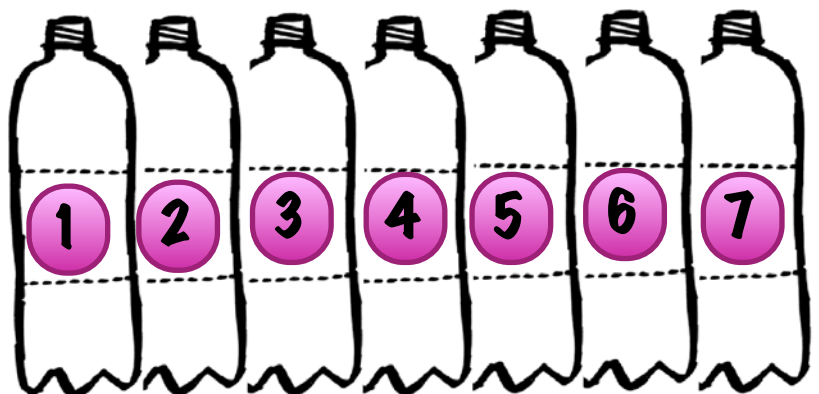
ADD 20 ML EM2 AND 2 TBLS SUGAR, MIX AND KEEP IN COOL DRY PLACE

REPEAT EVERY DAY

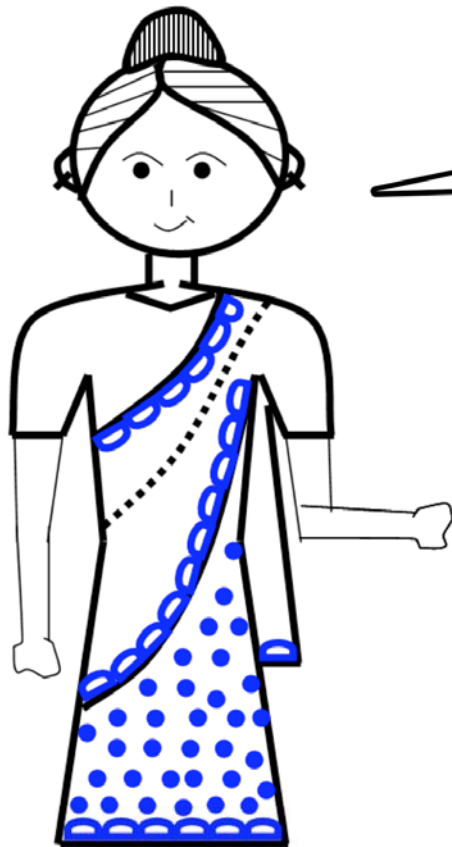
ON THE 8TH DAY, USE THE 1ST BOTTLE

AND SO ON....

RICEWASH EM LASTS A WEEK



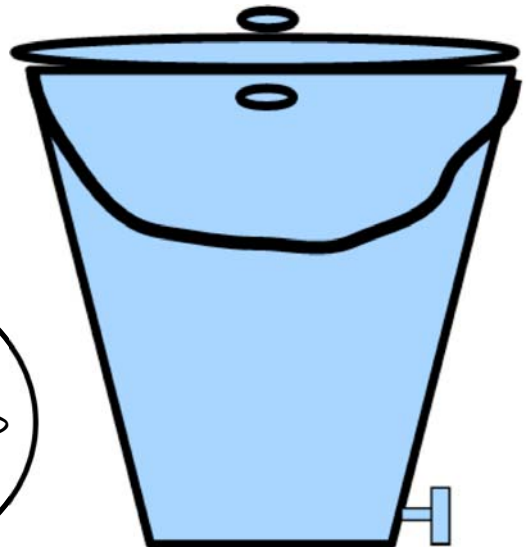
* USE RICE WASH WITHIN 4 HRS



TAKE A PLASTIC BUCKET WITH A COVER AND ATTACH A TAP TO THE BOTTOM (ANY PLASTICS SHOP SHOULD BE ABLE TO DO THIS FOR YOU CHEAPLY)

EVERYDAY ADD YOUR WASTE TO THE BUCKET AND COVER WITH THE RICE WASH EM

CONTINUE DOING SO TILL THE BUCKET IS ALMOST FULLAND THEN LEAVE IT FOR 2 WEEKS

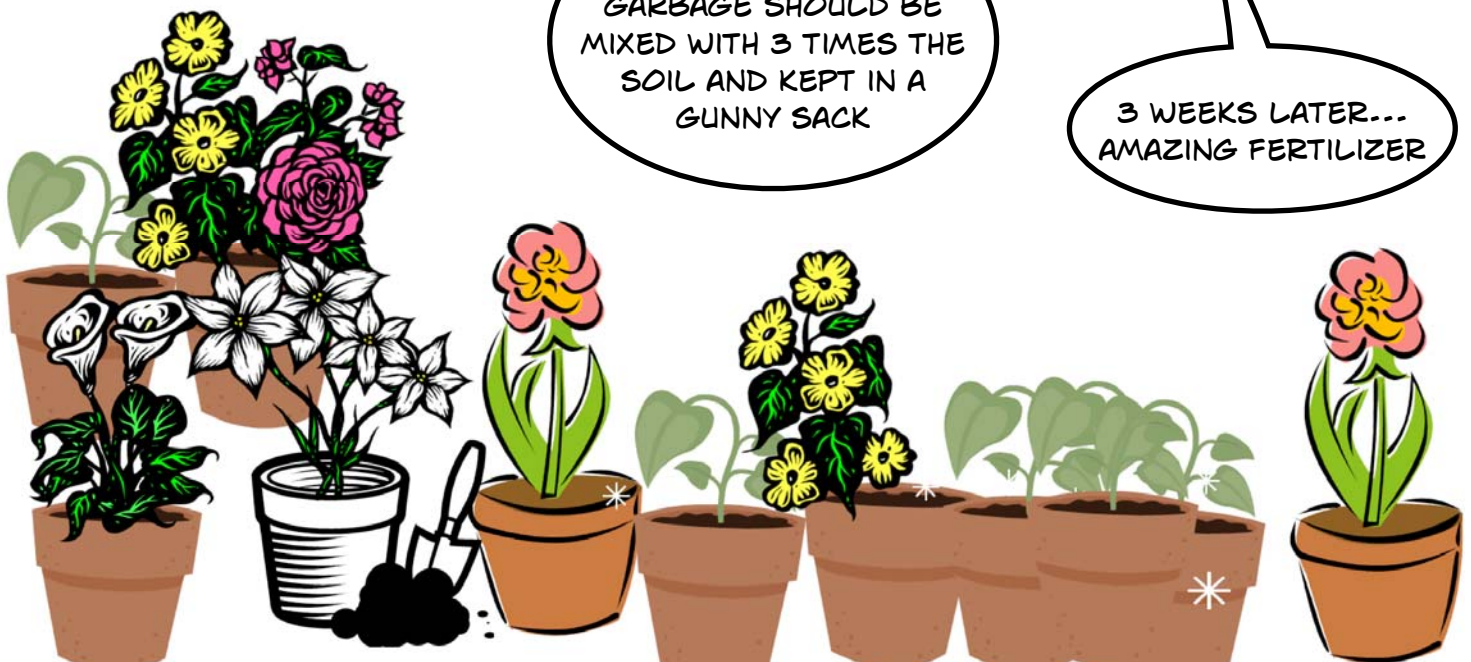


WHEN YOU OPEN IT IN 2 WEEKS TIME, YOU SHOULD HAVE A WHITE LAYER OF FUNGUS. THAT MEANS ITS WORKING!!!

DRAIN THE LIQUID FROM THE TAP (A BIT SMELLY... BUT GREAT FERTILIZER WHEN DILUTED 300 TIMES)..

THE REMAINING PICKLED GARBAGE SHOULD BE MIXED WITH 3 TIMES THE SOIL AND KEPT IN A GUNNY SACK

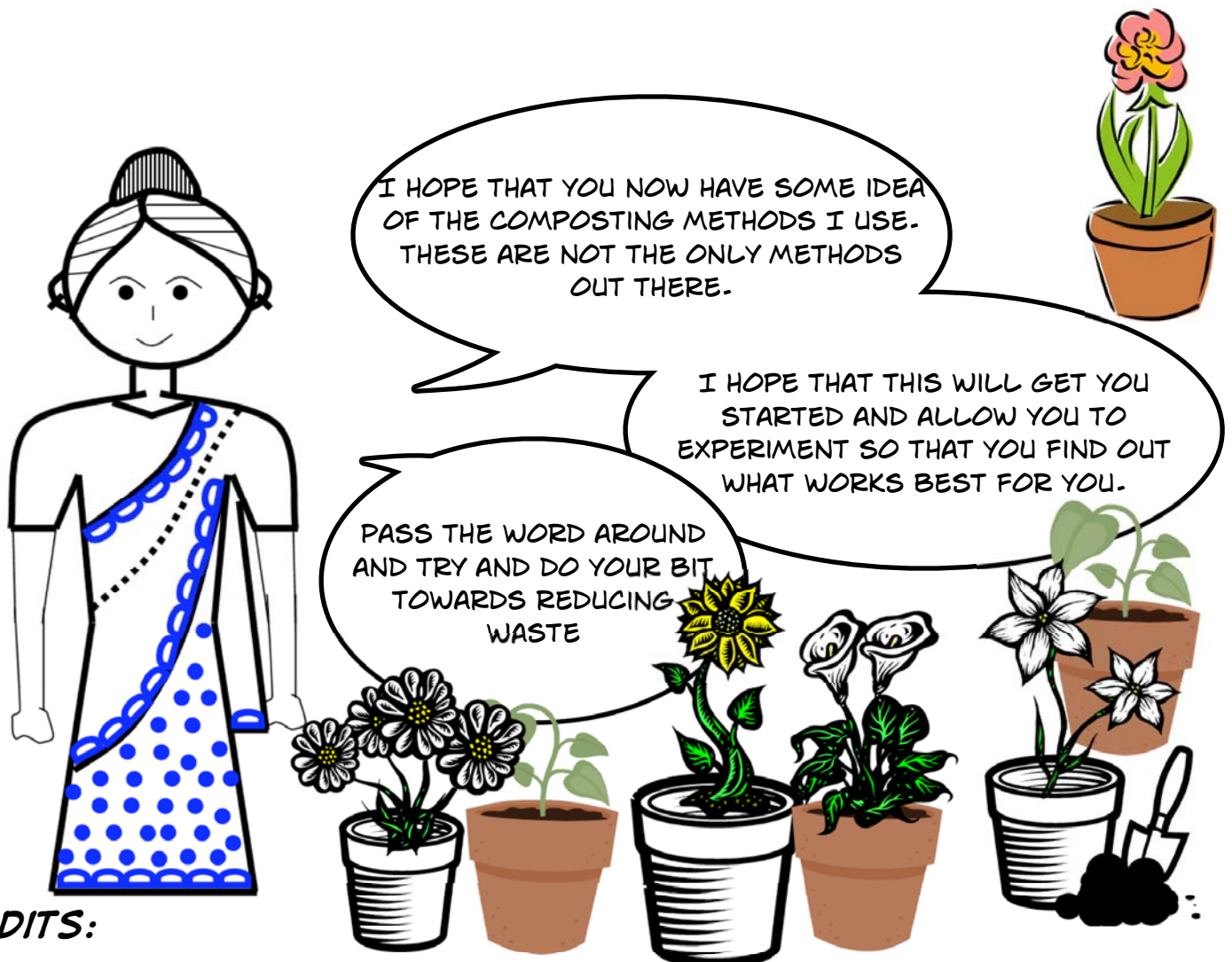
3 WEEKS LATER... AMAZING FERTILIZER



EM IS GREAT FOR PEOPLE LIVING IN FLATS AS YOU CAN KEEP THE BUCKET UNDER THE SINK.... IT DOES NOT STINK!!! USE THE SOIL IN THE BALCONY

Tips

- * SPRINKLE NEEM POWDER TO KEEP AWAY INSECTS AND FLIES
- * BOIL NEEM LEAVES AND POUR OVER PLANTS TO KEEP AWAY SNAILS
- * ADD COW DUNG TO THE VERMI COMPOST AND BIO CULTURE EVERY TWO MONTHS TO BOOST MICROBIAL ACTIVITY
- * SPRAY DILUTED RICE WASH EM FOR HEALTHY PLANTS
- * BOIL 1 PACKET TOBACCO IN WATER, COOL, MIX WITH SOAP, AND SPRAY ON PLANTS TO KEEP AWAY APHIDS



CREDITS:

THIS LEAFLET IS INSPIRED BY MRS. SUDHA PAI. HER GARDEN AND HER WORK ON COMPOSTING AT MAGARPATTA CITY, PUNE IS TRULY AMAZING. CONTACT HER AT SUDHASPAI@HOTMAIL.COM