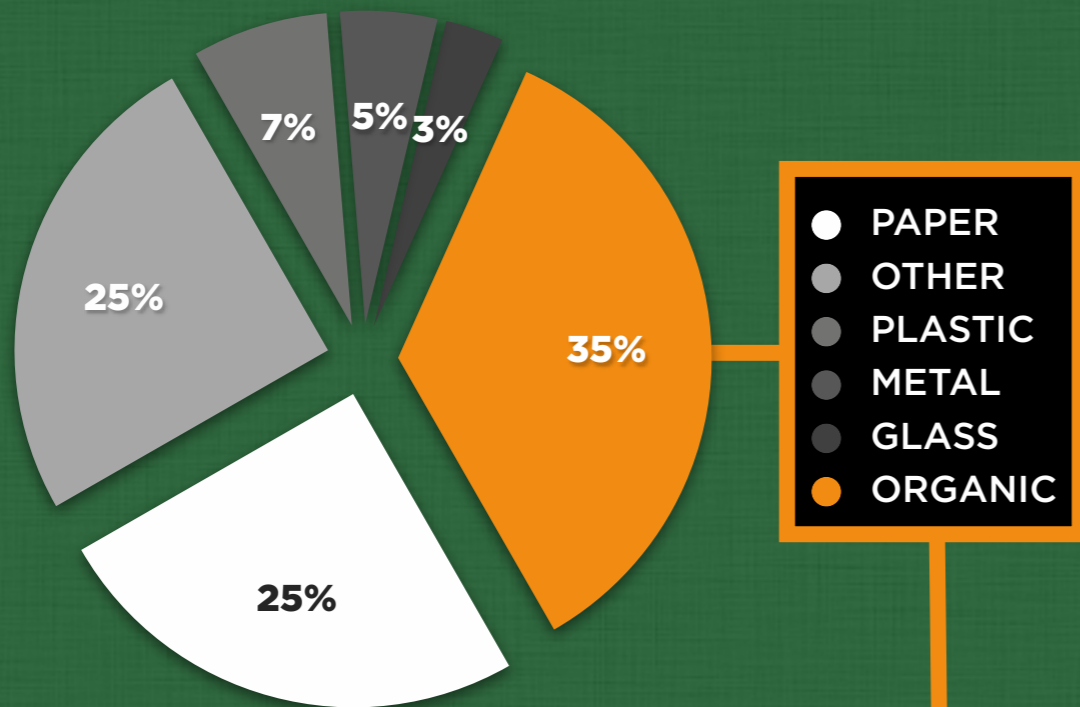


# FOOD WASTE RECYCLING

## WHAT'S IN YOUR WASTE BIN?



**330KG/ TONNE CO2e**

**1,000KG FOOD WASTE WILL EMIT**

**+ REQUIRES 4,000KG CO2E TO REACH YOUR TABLE**

## IMPACT OF FOOD WASTE ON OUR LIVED ENVIRONMENT.

VERMIN      SMELLS

WATER POLLUTION      TRANSPORT IMPACT

## WHAT CAN WE DO WITH THE FOOD WASTE WE GENERATE?

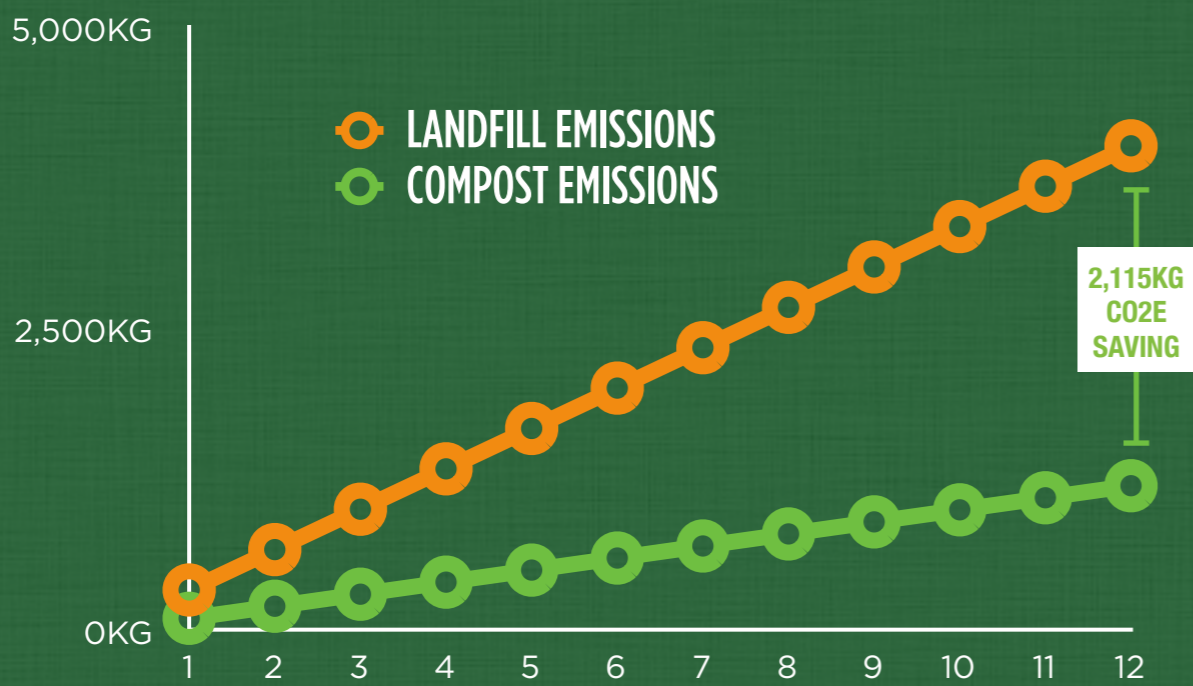


▶ **USE ANAEROBIC DIGESTION TO PRODUCE BIO GAS.**



▶ **USE AEROBIC COMPOSTING TO PRODUCE SOIL FOOD.**

## WHAT IF FOOD WASTE COULD BE USED TO FEED THE SOIL?



- ▶ **WOULD SAVE 225KG CO2E EMISSIONS PER TONNE COMPOSTED VS. LANDFILLING.**
- ▶ **HEALTHY SOIL SEQUESTERS CARBON FROM THE ATMOSPHERE.**
- ▶ **COMPOST IS MEDICINE FOR SOIL.**

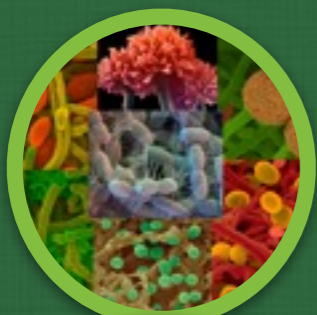
## BOKASHI COMPOSTING

**BOKASHI = "FERMENTED ORGANIC MATTER"**

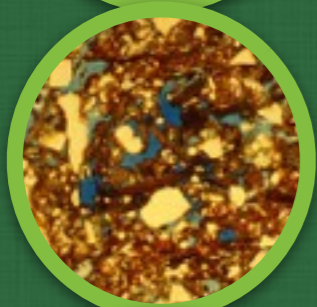


- ▶ **WHEAT BRAN INOCULATED WITH BENEFICIAL MICRO-ORGANISMS.**
- ▶ **ANAEROBIC FERMENTATION.**
- ▶ **FOOD WASTE DOES NOT ROT.**
- ▶ **ZERO CO2E EMISSIONS.**
- ▶ **NO MALODOUR.**
- ▶ **ALL FOOD WASTE CAN BE COMPOSTED.**
- ▶ **FERMENTED FOOD WASTE USES:**

## WHAT DOES HEALTHY SOIL NEED?



**BENEFICIAL MICRO-ORGANISMS (BACTERIA, FUNGI)**



**MINERALS SUCH AS CALCIUM, ZINC, NITROGEN, PHOSPHOROUS, POTASSIUM.**



**ORGANIC MATTER - FOOD FOR MICRO-ORGANISMS.**

**ALL THESE NUTRIENTS AND ORGANISMS ARE IN YOUR FOOD WASTE.**



COMPOSTED



EARTHWORMS



TRENCHED

## HOW WILL COMPOSTING IMPROVE THE SOIL?



**IMPROVE WATER HOLDING CAPACITY.**



**REDUCE USE OF SYNTHETIC FERTILISER AND HERBICIDES.**



**IMPROVE SOIL STRUCTURE.**



**BUILD PLANT HEALTH AND VIGOUR.**



**BUILD AND PROTECT BIODIVERSITY**



(t) 011 783 3380

(e) info@earthprobiotic.com

(w) www.earthprobiotic.com

**WE DON'T GROW PLANTS. WE GROW SOIL, AND SOIL GROWS PLANTS.**