

Garbage Enzyme Making Demonstration

**USE OF GARBAGE ENZYME,
REDUCE GREEN HOUSE EFFECT!**



WHAT IS GARBAGE ENZYME?



Fruit Waste



Brown Sugar
and water



Organic
Enzyme



Make use of the
garbage, ease
global warming!



WHAT IS GARBAGE ENZYME?

- Garbage Enzyme is an organic solution produced by the simple fermentation of fresh vegetable waste, brown sugar and water, in much the same process that wine is made.
- This fermentation creates natural chains of proteins, mineral salts and enzymes. This solution has the capacity to breakdown, change, create and catalyse — functions that make it a wonderful cleaning aid.



WHY IS GARBAGE ENZYME SO IMPORTANT?

1) **A good cleaning substance .**

- It can be mixed with chemical cleaning agents which is to reduce the harm to the environment.

2) **Reduce pollution**

- Since garbage enzyme is made from garbage, it can help to reduce the number of landfills.

3) **As a Commercial Fertilizer**

- To reduce the usage of chemical fertilizers



BENEFITS AND USES OF GARBAGE ENZYME

- **Save Money!** Reduce usage of by mixing Garbage enzyme and water
- **Save Space!** Reduce the clutter in your kitchen cabinet with one multi-purpose cleanser instead of a host of specialized, toxic ones.
- **Save Waste!** Reducing and recycling waste
- **Save The Earth!** The fermentation of kitchen/ fruit waste in making Garbage Enzyme creates a gas that lowers the levels of carbon dioxide in the air.



GARBAGE ENZYME'S MANY USES



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- **Purify air** (see Save The Earth point above): Ozone produced in the creation of Garbage Enzyme kills air-borne bacteria and increases oxygen levels in the air.

Deodorise air: Diluted and sprayed into a room from a bottle, it removes odours the air.

- **Cleaning the house:** Just 2 tablespoons of garbage enzyme in a bucket of water as you mop will clean the floor and kill bacteria.
- **Cleaning the toilet:** Use undiluted to clean the toilet. It kills harmful microorganisms, breaks down heavy stains, freshens the air, and keeps ants and roaches away.
- **Cleaning the kitchen:** Use diluted. It can effectively clean most stubborn kitchen stains. Pour it into the sink and let it sit overnight to keep your drains running freely.

Cleaning vegetables: Wash fruits and vegetables with a light dilution of Garbage Enzyme to remove traces of pesticide on them.



GARBAGE ENZYME'S MANY USES

- **Cleaning clothes:** Pre-soaking your laundry with a little Garbage Enzyme will make your usual laundry detergent work better, and you don't have to use as much detergent.
- **Skin care:** Discover softer hair and skin when you add a little diluted enzyme (1:10) to shampoo and shower gel. It makes them work better without using as much. It also adds an anti-bacterial property to your favorite bath products.
- **Pet care:** Great uses here for keeping your pet smelling clean, and their litter tray or kennel fresh!
- **Car care:** A little Garbage Enzyme in your radiator water will help keep it running cooler and more smoothly. You can deodorize the car, as you would a room, with a light misting of diluted enzyme water.
- **Garden care:** Water plants with water with some diluted enzyme added to help plants grow more healthily, and reduce pest attacks. Watering barren ground can be revived when it is constantly watered with enzyme treated water for three months.





HOW TO MAKE GARBAGE ENZYME

STEPS:

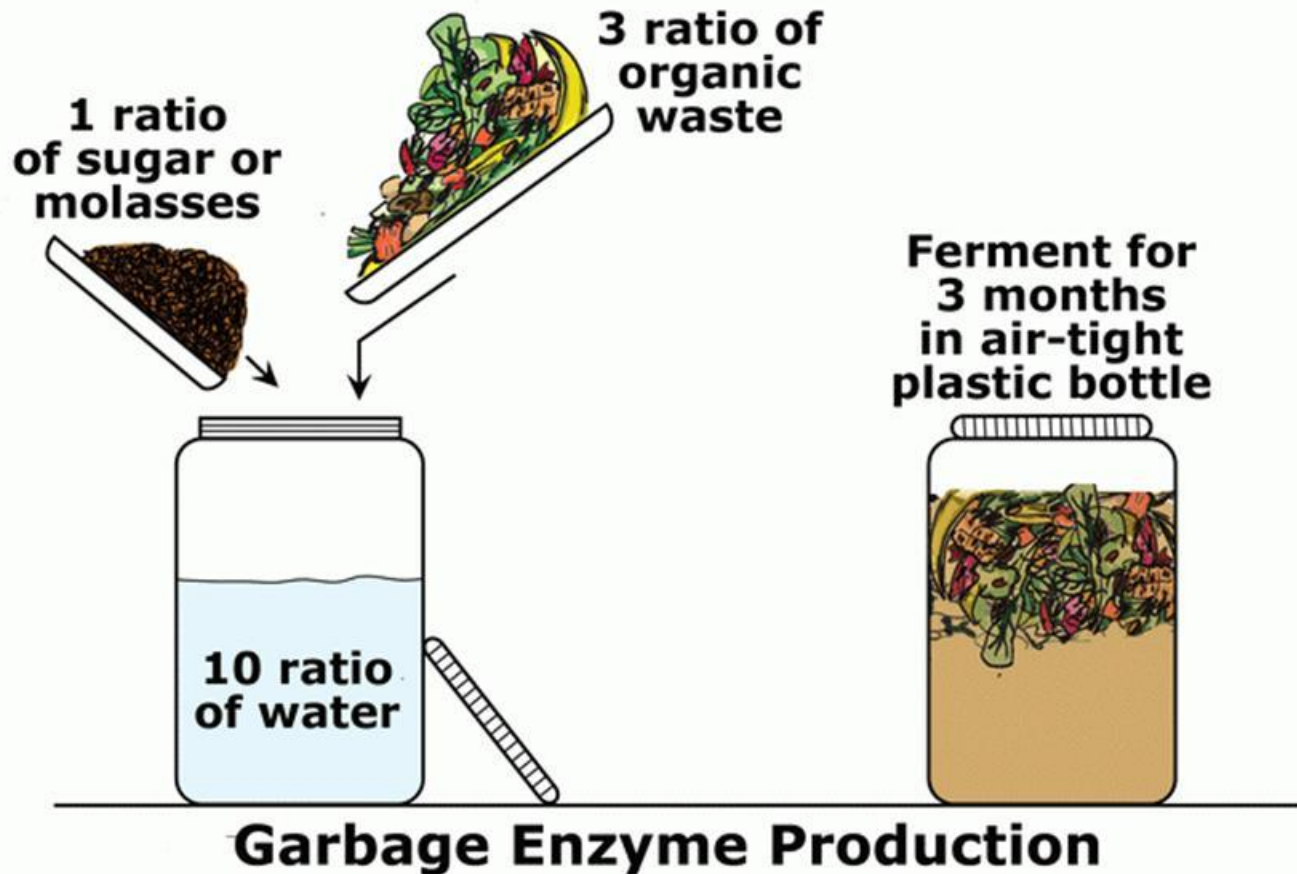


1. Use Black sugar, Brown or any raw unprocessed sugar but **never use white sugar.**



2. Use Kitchen waste / Fruit skins like apple, orange, pineapple, pear, watermelon, grape, lemon, guava **but don't use durians! Never use meat!**





An example:

- Add 300g of sugar + 900g of fruit skins + 3000g (ml) of water and mix well in a 5000cc plastic bottle and cap tightly.
 - Keep in a cool dry place at room temperature.
 - Release the gases formed once a day for the first month. Make sure it is re-capped tightly each time after the gas release.
 - For the 2nd and 3rd months, only release any gases if necessary.
 - Sometimes, there is a white layer on the surface of the enzyme solution during fermentation.
- Should worms appear in your enzyme solution, don't panic. Add in a handful of sugar, mix well and cap the bottle tightly. They will disappear overnight!

GARBAGE ENZYME: IN PROCESS TO READY



These bottles of garbage enzyme are ready for dilution with water to be used

- These bottles contain kitchen waste with sugar and water.
- Fermentation will take place in the bottles for 3 months.
- Then after filtration and removal of the residue, garbage enzyme is obtained.
- The residue can be used again for a new batch of production by adding fresh garbage. The residue can also be dried, then blended and buried in the ground as a fertilizer.



Garbage Enzyme

Direction for use:

Garbage enzyme can be used diluted with water at a specific dilution ratio.

DILUTION RATE	USAGE	QUANTITY	APPLICATION
Concentrated Enzyme	Bath (add in bath water to improves skin condition)	50~100cc	Keep overnight
	Washing machine (clean and soften laundry)	20-50cc	Soak and wash
	Toilet bowl (prevent blockage & purify sewage)	250cc	Pour and flush
	Toilet cistern (purify water)	20-50cc (two caps)	2-3 times/ weeks
	Garden pond & water tank (purify water)	1/10,000 litre water	Add occasionally
	Leather sofa (clean mold or stain)	Appropriate amount	Spray and wipe every 10 days
10-50 times	Carpet & tatami mat (deodorise & antiseptic)	Slightly moist	Spray 1-2 times/month
	Shoe, inside the car (deodorise & antiseptic)	Appropriate amount	Spray occasionally
	Kitchen sink, stove, cooker hood (clean oily stain)	Appropriate amount	Soak and wipe occasionally
	Black mold (antifungal)	Appropriate amount	Soak and wipe occasionally
	Pet excretion, pet house (deodorise & antiseptic)	Appropriate amount	Spray occasionally
200-500 times	Air-cond room (humidifier, deodorisa & antiseptic)	Appropriate amount	Spray occasionally
500 times	Bathroom sink (clean)	Appropriate amount	Soak and wipe occasionally
	Cabinet and refrigerator (deodorise)	Appropriate amount	Spray occasionally
	Drain (prevent drainpipe blockage)	Appropriate amount	Flush occasionally
	Pet (bathing, deodorise & antiseptic)	Appropriate amount	Upon bathing or brushing
	Toilet (clean, deodorise & antiseptic)	Appropriate amount	Spray when wiping
500 - 1000 times	Indoor (purify air, deodorise & pest control)	Appropriate amount	Spray frequently
	Closet, clothes (deodorise & antiseptic)	Slightly moist	Spray occasionally
1000 times	Seeding and planting (fertiliser)	Appropriate amount	Rinse once

Save on household cleaner and bodycare:

For shampoo, dish wash, laundry liquid etc: use enzyme to multiply and to reduce chemical residues.
Ratio = 1 part enzyme : 1 part detergent/cleaner : 10 parts water

Washing vegetables: Add 30ml (2 tbsp) enzyme to 1 litre water. Soak for 45 minutes.

Floor cleaning: Add 30ml (2 tbsp) enzyme to moping water. To clean and sterilise.

Car care: Add 30ml (2 tbsp) enzyme to water tank to reduce car temperature.

For other eco cleansers and detergents, please click here:

FOR GARDENING OR FARMING:

Dilute to 1000 times with water for use as natural insecticides, herbicides, pesticides and organic fertilisers. Also can be used to stimulate plant hormone to improve quality of fruits and vegetables and to increase crop yield. Spray on land for 3 months continuously to improve soil quality.

Adopting and using Garbage Enzyme daily helps to reduce and recycle waste !

Thank you!

