



Series 8, Episode 8

Patrick's Farm, Kambiti, KENYA

This leaflet contains information on: biogas, mangoes, oranges, Mitsubishi FH 215

If undelivered, please return to The Mediae Company, PO Box 215-00502, Karen.

For more information, SMS "BIOGAS" to 30606

Biogas

Use your kitchen and farm waste to make cooking gas with a **Home Biogas** system. It is very easy to use and can supply gas to cook for a whole family.

Buy a **Home Biogas** system, for 54,000/- from **Amiran**. It will last you at least 10 years. Assemble the system yourself in 2 hours.



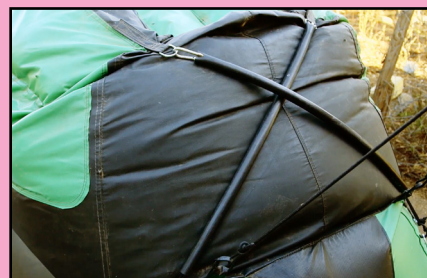
How does a Home Biogas system work?



1. Mix your kitchen and animal waste with an equal amount of water. Pour into the sink each morning.



2. When waste is broken down, gas is made.



3. The gas is stored in a chamber.



4. The gas comes into your house by a pipe and connects to a **Home Biogas** stove.



5. The waste from the digester can be collected in a bucket. Mix it with water and spread on your shamba. It is a very good fertilizer.



6. If the gas chamber is full, the extra gas is released.

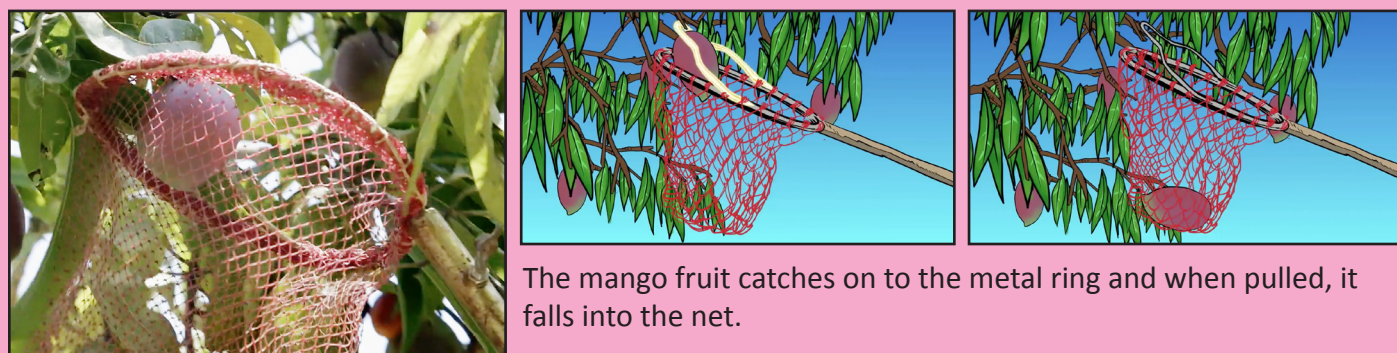
For more information, SMS "POST HARVEST" to 30606

Harvesting Mangoes

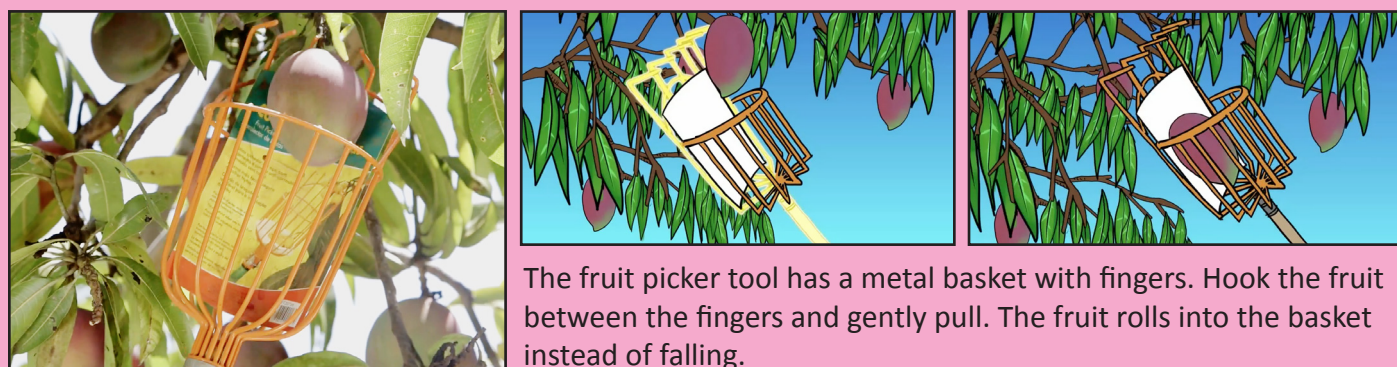
Take care whilst harvesting mangoes. They get damaged easily. Damaged mangoes are rejected at market. Harvest with a special tool. This makes sure that the mangoes go to market in the best possible condition. You will get a better price.



Harvesting with a net



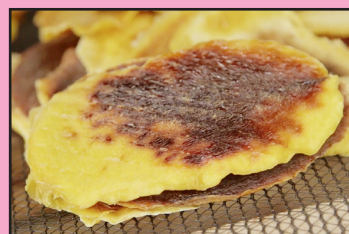
Harvesting with a fruit picker tool



Drying Mangoes

During mango season, market prices drop as there are many people selling mangoes. Dry mangoes and store them. When mango season ends, the prices of mangoes will go up.

Drying in the sun is difficult, as you need sunny days. If there is not enough sun, the mangoes will go brown. You cannot sell brown mangoes.



Village Industrial Power (VIP) Drier

Dry your mangoes with a **VIP** drier. The drier uses hot air from solid fuel like firewood, charcoal and farm waste to dry the mangoes. The **VIP** drier can produce up to 600kg of mangoes over 2 shifts in 24 hours. The hot air can also be used to make electricity. When it's not mango season, use the **VIP** drier to dry other crops like sweet potato and banana, or to pasteurise juice or milk to make yoghurt.



For more information, SMS "PESTS" to 30606

Oranges Pests and Diseases



Healthy trees have green leaves.

A white powder on the leaves is a sign of **Powdery Mildew**. A layer of black soot on leaves, twigs or fruits could indicate presence of aphids and mealybugs.



Kill Leaf Spot and Powdery Mildew with *Klassic*

Leaf spot is a fungi disease. At first, spots are light brown or blackish surrounded by a yellowish margin. Later, the leaf turns yellow, dries and then falls off.

Mix 20ml of *Klassic* in 20L of water.



Kill aphids, mealy bugs and ants with *Nimbecidine* and *Betafos*

Mix 100ml of *Nimbecidine* and 20ml of *Betafos* in 20L of water.

Nimbecidine is neem-based. *Betafos* is a chemical. Use both together for good results and to stop resistance.

**For small trees of 1-2 years, use 20L for ½ acre.
For large trees, use 20L for 50 trees.**



Spraying your trees



- There are 3 rules for spraying your trees:
1. Spray in the early morning or late afternoon.
 2. Do not spray against the direction of the wind as you will easily inhale the chemicals.
 3. Make sure that you spray evenly over the leaves, branches and stems of the trees.



When using chemicals, always wear protective gear



Chemicals can be harmful to your health. They are bad for your skin, eyes and lungs.

Make sure you wear overalls, gumboots, gloves, goggles and a mask.

For more information, SMS "TRANSPORT" to 30606

Mitsubishi FH 215 truck

The **Mitsubishi FH 215** from **Simba Corp** is a good investment. It is strong, reliable and has a good re-sale value.

Buy as a farmers group to share the costs and the benefits. The truck can be used to transport many different things, such as vegetables, feed or even livestock.

When the truck is not needed by the owners, rent it out to make more money.



The Mitsubishi FH 215 has many great features



Leaf spring suspension and 17.5 tyres to support a 7 tonne load.



A comfortable cab. The 200L fuel tank means that you can drive for long distances.



Sell produce out of the back doors of your track.



A side door opening into the enclosed body. You can load from the side door without having to open the back door.

A step helps you to get up and down. Add a padlock to secure the door.

Produced by Mediae



Watch us on Citizen TV on:
Thursday 1.30pm (English)
Sunday 1.30pm (Kiswahili)

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SMS 30606



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