Solar Lights
Kerosene lamps give off fumes. The fumes are bad for your health. The light is dull so it strains your eyes. Kerosene lamps can cause a fire if they fall over when lit. Kerosene is expensive.

A solar system uses sunlight to make electricity. The sun is free. Once you have paid off your system there is nothing more to pay.

PayGo Solar Home System from Azuri. The kit comes with:

- A 10 watt solar panel. It attaches to your roof.
- A battery. It connects to the solar panel and stores the electricity.
- A solar radio which is charged by the battery.
- 3 light for your house, plus 1 extra bright light.
- A small torch.
- Connectors for you to charge your mobile phone.

Azuri will install your PayGo system for free. Buy it outright or pay 49/- per week for 82 weeks. There is no deposit to pay – just 1 month up front. The battery lasts for up to 10 years. There is a 2 year warranty.

The PayGo system is available countrywide. Send a free SMS to 22213. Their customer care agents will call you back to connect you with a distributor in your area.
**Tilapia**

Tilapia can be a good business. Feed your fish properly so they grow well.

**Fugo** fish feed is available countrywide. It is affordable.

When feeding your fish, distribute the food evenly around the pond.

There are 5 categories of fish feed:

1. **Tilapia Starter Crumble**
   - The feed is in small pieces so that the fingerlings can eat it.
   - Feed Starter Crumble until your fingerlings are 20g.

2. **Tilapia Pre-Grower**
   - This is in the form of floating pellets so the fish can easily eat it.
   - Feed Pre-Grower from when your fish are 20g until they are 60g.

3. **Tilapia Grower Pellets**
   - This helps the fish to grow fast.
   - Feed Grower Pellets when your fish are 60g until they are 200g.

4. **Tilapia High Protein Finisher**
   - These pellets are bigger so the fish can eat them easily.
   - Feed High Protein Finisher when your fish are 200g until they are 500g.

5. **Tilapia Low Protein Finisher**
   - Your fish should be 500g after 6 months. Low Protein Finisher sustains the growth of your fish until you can sell them. It is cheaper because it is low protein.

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**Maize**

Plant only certified maize seeds. Seed Co. makes different varieties for different areas. Choose the variety that will grow best in your area.

**Tembo 73**

- A late-maturing white maize variety. Good tolerance to diseases. Grows well in areas with high rainfall.
- Matures in 4 ½ to 5 months
- Big and long cobs
- Is not affected by Maize Streak Virus, Grey Leaf Spot or Common Leaf Rust
- Good for making silage
- Yields 48-58 bags per acre.

**Duma 43**

- An early-maturing variety that copes well with drought. It is very sweet and good for ugali.
- Matures in 90 days
- Tolerant to drought and heat stress
- Resistant to Maize Streak Virus (MSV) and other diseases
- Yields 28-32 bags per acre.

TEMBO is best for: Eldoret, Kakamega, Bungoma, Kisii, Molo, Njoro, Nyahururu, the Aberdares and upper areas of Eastern and Central Provinces.

**Planting**

1. Plant maize seeds 30cm apart in rows 75 cm apart.
2. Dig holes 15 cm deep.
3. Put 1 teaspoon of fertiliser in each hole, then cover with loose soil before planting the seed.
4. Plant 1 seed per hole.
5. Fill in the rest of the hole with soil.

**Post-Planting**

Once your maize is growing, there is still work to be done. Remove stunted plants, check for pests and diseases, and remove weeds.

**Remove plants that are not growing well**

Stunted plants will not give you a good yield. These plants will be taking space, water and nutrients away from your other, stronger plants.

Take out these stunted plants.

**Check your maize plants for pests and diseases**

Check your maize plants in the morning and evening.

Treat pests and diseases as soon as you see them. This stops the problem spreading to the rest of your crop.

This crop has Maize Streak Virus (MSV). MSV is a disease that comes from the soil. The yield will not be good. Tembo 73 variety from Seed Co. does not get MSV.

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**Fugo** fish feed is available countrywide. It is affordable. This is in the form of floating pellets so the fish can easily eat it.

Feed **Pre-Grower** from when your fish are 20g until they are 60g. This helps the fish to grow fast.

Feed **Grower Pellets** when your fish are 60g until they are 200g. These pellets are bigger so the fish can eat them easily.

Feed **High Protein Finisher** when your fish are 200g until they are 500g. Your fish should be 500g after 6 months. Low Protein Finisher sustains the growth of your fish until you can sell them. It is cheaper because it is low protein.

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**For more information, SMS “FEEDS” to 30606**

**For more information, SMS “MAIZE” to 30606**

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**Farm hygiene**

Practise good farm hygiene from planting to harvest. Clean your farm tools after every use. Your crop will have less diseases.
Weeding

You do not want weeds in your farm. They:
• Take water and nutrients away from your crop
• Take up space
• Hide pests and diseases.

Kill weeds before they grow with a pre-emergence herbicide from Amiran Kenya. Apply before your crop grows. It will kill the weeds but not your crop.

Pre-emergence

After sowing your seeds, apply Sigma Combi. You need 1.2 of Sigma Combi per acre.

Mix 300ml of Sigma Combi with 20 of water in a knapsack. Spray onto moist soil. If you dry plant, spray immediately after the rains. The herbicide needs moisture to work.

Post-emergence

When your crop gets to the 3-leaf stage, use a post-emergence herbicide. Sine-4D is a selective herbicide. It only kills broad-leaved plants. Many weeds have broad leaves.

Increase Sine-4D’s strength by mixing it with Sigma Combi. You will kill a wide range of weeds.

Mix 300ml of Sigma Combi into 20L of water. Add 100 ml of Sine-4D. Spray onto moist soil.

Buy Sigma Combi and Sine-4D from Amiran Kenya. They are available at agrovets countrywide.
Sigma Combi comes in pack sizes of 1L and 5L.
Sine-4D comes in pack sizes 1L, 5L and 20L.