



Series 6, Episode 9

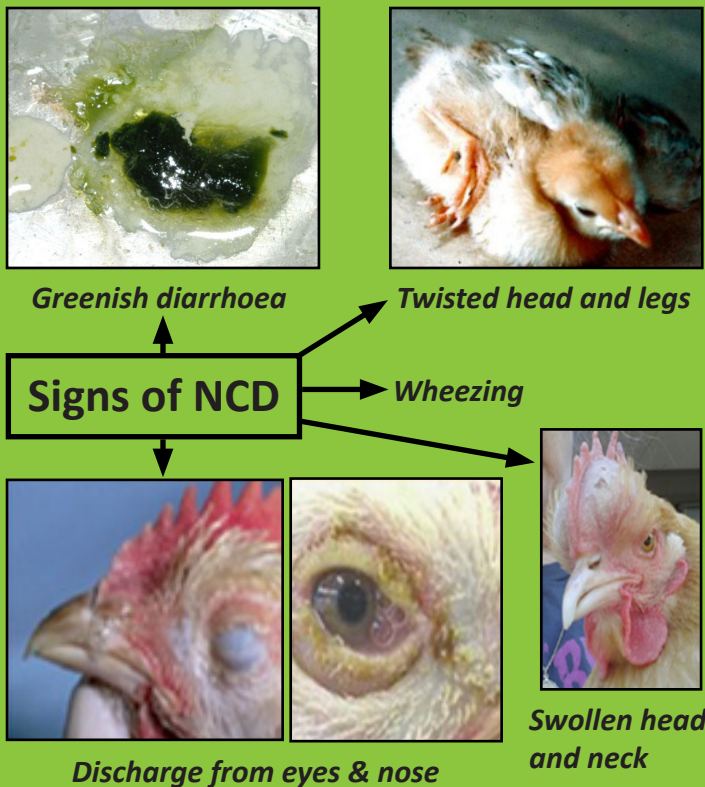
Demitria and John's Farm, Mbale, UGANDA

*This leaflet contains information on:
Newcastle disease, fertilisers, mangoes and solar lights*

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

Newcastle Disease (NCD) in Chickens

NCD is a virus that kills chickens. There is no cure. Vaccinate to stop NCD.



**Keep sick birds away from healthy birds.
Bury dead birds in a pit.**

Step in a footbath of disinfectant before you go in the chicken house to keep out diseases. Build the house from east to west. This stops strong winds and hot sun coming into your house.



Buy the NCD vaccine

Buy the vaccine from a good agrovet. It is called **Kukustar** in Uganda, **Avivax** in Kenya, and **Temevac** in Tanzania. Look at the bottle before you buy it to ensure that the vaccine has not expired. Only buy from an agrovet who keeps the vaccine in the fridge.

1 **vial** vaccinates 500 birds. Store in the fridge.

1 **dropper** vaccinates 20-50 birds. It is ready to use. It can keep outside the fridge for 3 weeks.



Vaccinate every 3 months:

1. Hold chicken firmly and put a drop of vaccine in the eye.
2. Wait for the chicken to blink it in.
3. Put vaccinated chickens in a place away from the ones you have not vaccinated.

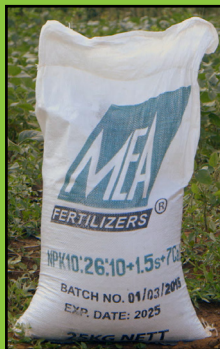


**Only
vaccinate
chickens that
are healthy**

For more information, SMS "CHICKENS" to 30606

Fertilizers for a bigger harvest and more money

What is in an NPK fertiliser?



Nitrogen (N)- for leaf growth

Phosphorus (P)- for healthy roots and shoots

Potassium (K)- for flowers and fruits

Other good nutrients, like **Calcium, Magnesium, Sulphur, and Iron**. These help the plant to be healthier and grow faster.

Depending on the amount of N, P & K nutrients, there are various fertilizers eg 20:20:20, 17:17:17.

Planting Maize

1. Put a teaspoon (10g) **NPK fertiliser** and a handful of **dry manure or compost** in the planting hole.

2. Mix with the soil.

3. Plant seed and cover with soil.

Buy MEA fertilisers from agrovets in bags of 50kg, 25kg, 10kg and 2kg.

You need 50kg for 1 acre.

Lack of Phosphorus



Leaves have purple stripes

Lack of Nitrogen



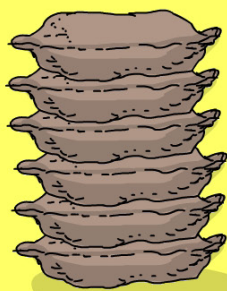
Leaves turn yellow and drop off

Lack of Iron



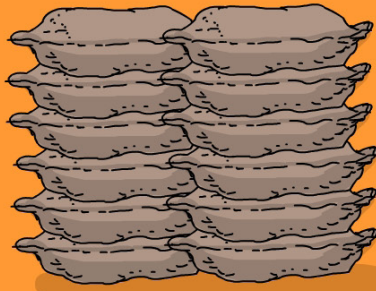
Young leaves are yellow

Benefits of Using Fertilizer



No fertiliser

1 acre gives 6 100kg bags of soya bean. Sell each bag for 5,000/- and make 30,000/-



With Biofix

Use 100g bag Biofix inoculant (360/-) and get 12 bags.

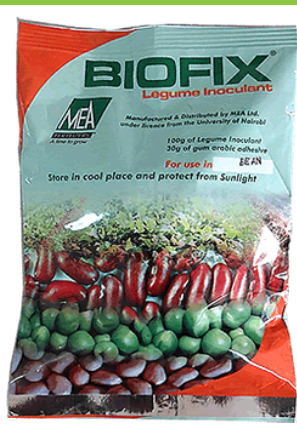


With Biofix AND NPK fertiliser

Use 100g Biofix and 50kg bag NPK fertiliser (2,700/-) and get 15 bags.

Use both Biofix and NPK fertiliser and make 71,940/-!

Double your yield and save money with Biofix



Biofix helps beans and peas grow faster and give a better harvest. It saves you money as you do not need to add Nitrogen fertilisers. Buy Biofix from agrovets.

1. Dissolve 2 tablespoons Gum Arabic (white powder) or sugar in 300ml warm water.
2. Mix with 15kg large seeds (beans, cowpeas, soybeans) or 10kg small seeds (lucerne, desmodium) until seeds are wet.
3. Add 100g packet of Biofix (black powder). Mix until seeds are covered with the Biofix powder.
5. Cover with paper or cloth and keep in the shade.
6. Plant seeds in a wet bed as soon as the seeds are dry.

Soil Acidity

A soil is acidic if its pH is below 7. Have your soil tested to know pH level. Your crop will not grow well if your soil is too acidic.

If your soil is acidic, dig **AgriLime** into wet soil 1 month before planting.

Mangoes

Mango varieties

When choosing which Mango variety to grow, it is important to know that different varieties are needed by different markets.



Ngowe are good for juice. Sell Ngowe to processors.



Apple mangoes are sweet and good for pulping. Sell to processors.



Tommy Atkins are good for eating. They last a long time after harvest and travel well.

Mango Pests

Fallen mangoes attract rats and flies. Bury them in a hole.

*Kill **fruit flies** with a **trap** which contains bait & insecticide. You need 1 trap for every 15 trees.*



Control **Mango Weevils**. Spray the tree with a suitable **insecticide** when it starts to flower, after **pruning**. Spray 6-8 times during the growing season.

Prune your trees

Top the mango tree and cut it back so it does not grow over 15 feet tall. It will make it easier to spray the tree and harvest mangoes.

Pruning makes the tree give more fruits.

Harvest Mangoes



Harvest mangoes into a basket or net to stop damage. Harvest in the morning when it is cool.



Put mangoes on pallets to dry the juice on the mango skin. Take out small, overripe, and very under ripe mangoes.



Pack mangoes in crates and store in the shade. Transport in the evening when it is cool.



Join a Farmer's Group

Buy seeds and fertilisers as a group to get better prices. Sell your mangoes together to bigger buyers and make more money. Share ideas with farmers in your area.

Companies like **TechnoServe** in Uganda work with farmer's groups. They help farmers like you to:

- Increase your yields
- Improve business skills
- Find markets for your crop, including exporters and processors
- Access credit.

Solar Lights

Kerosene is expensive and bad for your health. Solar lights use sunlight (which is free!). Solar lights do not give fumes like kerosene and the light is 3 times brighter, so they are better for your eyes.

Use solar lights from d.light to light your home, or even your chicken house.

d.light products have a 2-year warranty. If your light breaks within 2 years they will give you a new one.

Buy your d.light solar lights in Total petrol stations countrywide.



These solar lights from d.light will give you 4 hours of light on the high setting, or 8 hours on the low setting



Put your solar lights in the sun to charge. They will be ready to use by evening.

How much do solar lights cost?

Kerosene



720/- each week

37,440/- each year



Solar



Buy 4 lights at 600/- each

2,400/- in first year

Light your chicken house with solar and save more than 35,000/- in 1 year.

For more information, SMS "SOLAR" to 30606

Produced by Mediae



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

For another leaflet
or more information,
SMS 30606



European Union



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