

Series 8, Episode 9

Christine's Farm, Trans Nzoia, KENYA

This leaflet contains information on: potatoes, broilers, cabbage pests, Mahindra Bolero pick-up



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

Potatoes

For more information, SMS "FERTILIZER" to 30606

Do a soil test to see if your soil is good for growing potatoes. **CropNuts** do soil tests. Call **Daktari wa Udongo** on **0790 499 190**. Collect your own soil sample and send it to **CropNuts**, or ask them to come to you.

Your soil test results has 2 pages. **Page 1** shows you the nutrient levels in your soil. **Green** means that the level is good, **red** means that it is too high or too low. **Page 2** tells you what to add based on your crop.

Complete Soil Analysis with Recommendations

CROPNUTS Laboratory Services ISO 17025 Accredited

Customer: Mediae Company
Address: 72874533
Farm Name: Mediae Company
Contact Person: Oscar Akiba

Crop: Potatoes (Irish)
Crop Stage: Comments: Conditions: Dry

Field: Christine Kakai

Date Received: 10 Jun 18
Analysis Date: 17 Jun 18
Report Date: 17 Jun 18
Sample ID: CM1145A005

Parameter	Unit	Result	Grade Low	Grade High	Low	Optimum	High	Symbol	Current	Method
pH (H ₂ O)		5.50	5.50	7.00						
EC (Saturated)	mS/cm	21.2		800						
Phosphorus	ppm	16.0	50.0	100						
Calcium	ppm	130	750	1000						
Magnesium	ppm	989	1000	1400						
Sulphur	ppm	178	125	275						
Sodium	ppm	4.81	20.0	300						
Boron	ppm	3.35		118						
Manganese	ppm	96.6	50.0	< 118						
Strontium	ppm	215	30.0	300						
Copper	ppm	0.36	0.80	750						
Zinc	ppm	5.16	2.00	200						

SOIL FERTILITY CORRECTION & FERTILIZER PROGRAM

PROBLEM	SOLUTION /INPUT	RATE	COMMENTS	STAGE (Input Type)	
		Kg/Ha			
	GYPSUM (20-24% Ca, 18% S) [See label for application]	300	Very good source of calcium and sulphur for potash. If available use alternative.	PREPLANTING (Soil Correction)	
	ROCK PHOSPHATE [See label for application]	230	Work into soil at planting with basal fertilizers	PLANTING (Soil Correction)	
Potassium fertilization required	MCP [See label for application]	140	Apply before planting	PREPLANTING (Fertilizers)	
Strate phosphorus needed	NPKS (18:21:12 + 8S) [See label for application]	320	130	Apply at planting	PLANTING (Fertilizers)
Nitrogen fertilization required	Calcium Ammonium Nitrate (CAN) [See label for application]	290	115	Apply during re-ridging and incorporate/cover with soil	TOP DRESS (Fertilizers)
Low sulphur in soil	Ammonium Sulphate [See label for application]	50	20	Apply during re-ridging to incorporate into soil	TOP DRESS (Fertilizers)
Low potassium levels	MCP [See label for application]				

Mavuno for Potatoes

Mavuno makes fertilizers specific to your crop. **Mavuno Planting for Potatoes** 15:10:18 is high in **Nitrogen** and **Potassium**. It also contains **Sulphur**, **Calcium** and **Magnesium** which are all very important for a good potato crop. The 5 nutrients increase the size, yield and quality of the potatoes.

Use **Mavuno** fertilizers to increase your yield by up to 30%.



Use **Mavuno Top Dressing** at the flowering stage. Your potatoes will be bigger.

Mavuno Planting
(N:P:K: 10:26:10) + S + CaO + MgO + 5 micro nutrients

Mavuno fertilizer is a crop specific and soil specific fertilizer. It is compound blended and contains 11 essential plant nutrients. When combined in various formulations and blends Mavuno fertilizer has been proven to give superior crop yields.

Mavuno fertilizer reduces soil acidity and improves nutrient uptake in plants by improving the flavor, texture and nutrient value of farm produce.

Application Instructions

- Pour fertilizer
- Add soil
- Mix well with soil

Mavuno Top Dressing
(N:P:K 26:0:0) +S + CaO

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Cabbage Pests

Diamondback Moth



The Diamondback Moth attacks your cabbage as soon as it has leaves.



It drills holes in your cabbage head to lay its eggs.



It lays its eggs on the leaf.



The eggs hatch into caterpillars. They eat the cabbage leaves.

The Diamondback Moth stops your cabbages from growing. Your cabbages will be small.

White Fly



White flies fly off the leaves when you shake them.

Leaf Miner



Leaf miner caterpillars feed between the upper and lower surface of leaves making whitish tunnels inside the leaves.

Snail



Snails eat your cabbage leaves, and leave holes in them.

Kill Cabbage pests with Alpha

Alpha kills lots of different insects, including Diamond Back Moths, White Flies, Leaf Miners and snails. It kills pests on contact and remains on the leaves. Pests then eat the leaves and the poison.



Mix 10ml of **Alpha** with 20L of clean water in a knapsack. If the water is dirty, the chemical might not work.



Post-Harvest Interval (PHI)

This is the time that you have to leave between spraying and harvesting your crop.

The PHI for **Alpha** is 7 days. This means that after 7 days, all of the chemical is gone and the cabbages are safe to eat.

Spray your crop. Make sure that you spray the leaves well.



Cabbages like soil to be neutral (pH7) If your soil is too acidic (pH 1-6), your crop will not absorb nutrients well. The cabbages will look burnt.

If your soil is too acidic, use **Black Earth** at planting. Mix 1kg **Black Earth** with 50kg of fertilizer.



Broilers

Feeding

In the broiler business, feed costs can be up to 80% of total cost. It is therefore important to have high quality feeds that will ensure that you sell your broilers as early as possible.

Home feed may not have all the nutrients broiler needs for fast growth. It could also have aflatoxin which is harmful to birds and humans who eat their meat.

Unga Farmcare EA feeds have all nutrients needed by broilers, including vitamins. They have no Aflatoxin. When you give **Unga** feeds, broilers will reach 2kg live weight in 35 days.



Fugo Fast-Gro Advanced Starter Crumbs



The **Starter Crumbs** prepares the chicks' body frame for putting on muscle.

Fugo Fast-Gro Advanced Grower Pellets



The **Grower Pellets** helps the chicken to put on body fat. It also helps the chicken to change body fat into muscle.

Fugo Fast-Gro Advanced Finisher Pellets



The **Finisher Pellets** helps the chickens to put on muscle. After 35 days, the chicken should weigh 2kg (1.5kg dead weight).

The feeds are dry. Always have water available for your chicken. You will need 1 drinker for every 100 birds and 1 feeder for every 50 birds.

Build a good chicken house

Chicken need a good, safe house to do well. Keep your chicken house locked. This will stop people going in and out. People can bring diseases to chicken. Divide your chicken house into 3 areas so the chicken eat the correct feed for their age.

A footbath with disinfectant will stop you from bringing diseases to your chicken through your feet. Always wear a dustcoat and sanitise hands when attending to your chicken.

Build your house from east to west. This stops hot sun and strong winds.



Put curtains on the window to stop cold breezes. Close them at night.

A flat cement floor is easy to clean. Wood shavings on the floor will absorb droppings.

Keep 1 metre around your chicken house clean and free of weeds. Weeds hide pests and diseases.

For more information, SMS "TRANSPORT" to 30606

Mahindra Bolero pick-up

With the **Mahindra Bolero** pick-up truck from **Simba Corp**, you can transport your harvest direct to the cereal board or to market.

By cutting out the 'middle man', you will save money.



Features of the Mahindra Bolero pick-up

Big tyres and good clearance

This makes it very comfortable on rough roads. It is longer and wider than most other trucks.

Fuel

- Uses diesel. It is fuel efficient.
- 2,500 cc. It is moderately powerful.



Easy loading and unloading

- It can take 25-30 bags of maize.
- It has a flat floor. There are no wheel arches to get in the way of loading and unloading.
- The high sides of the truck can fold down.

Multipurpose

- Add a tank to transport milk.
- Don't travel with an empty truck. Once you have dropped your produce in town, return with fertilizer, or with livestock feed.
- When you are not using it, make money by renting it out.

Affordable

There are different financing options:

- Buy outright with cash.
- Share the cost and benefits. Buy with your neighbours or farmers group.
- Pay a deposit and then take a bank loan for the rest.

Produced by Mediae



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

For another leaflet
or more information,
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