



Soil Health Care

PROGRAM

Laboratory Advisory Agtech



We are specialists in sustainable soil management. Good soil fertility management is critical for growing high yielding, quality vegetables and flowers with reduced fertilizer and chemical costs. Our **SOIL HEALTH CARE PROGRAM** is a complete package for growers who want to build and sustain soil fertility, for both field & greenhouse crops.

The package includes:

1. Soil sampling Fields or Greenhouses (once every year)
2. Complete Soil Fertility Analysis in our laboratory.
3. Full recommendations for building fertility in your soils including applications of Gypsum for Sodium and salt control, lime to supply Calcium and correct the Calcium: Magnesium ratio, rock phosphate, soil conditioners and compost requirements to build and maintain a healthy, biologically active rooting environment.
4. Specialist "**Soil Health and Crop Nutrition**" farm visits are made every 6 months.

The Benefits of signing up for our Soil Health Care Program include:

- 1 **Save you money by reducing your fertilizer rates** - many of our soils have large amounts of nutrients present in an unavailable form and many of our fertilizer nutrients are leached from our soils. This is due to soil imbalances and excess acidity and poor soil aeration, leading to a poor environment for promoting biological activity. Correct soil biology, including Nitrogen-fixing bacteria, is the key to building and holding soluble nutrients in the root zone and for releasing locked up nutrients. So when your soil minerals are balanced, pH corrected and soil biology is built up, you will benefit from applying lower rates of crop fertilizers. In addition, soil testing indicates exactly how much fertilizer to use, so when levels of a particular nutrient are high, we can give you recommendations to reduce fertilizer rates that match the exact needs of each of your fields.



Who would buy a tractor and never change the oil?

You know that regular maintenance protects your investment, and protecting your investment is investing in the future. But what are you doing to protect your largest asset, your soil?

RE-VITALISE YOUR SOIL WITH OUR SOIL HEALTH CARE PROGRAM....

- Increase soil life and health
- Minimize soil loss
- Improve tilth and structure
- Increase crop yields
- Reduce diseases and pests
- Build organic matter to increase water retention and air flow to your roots

START YOUR PROGRAM TODAY!

- 2 Save you money by reducing your requirement for insecticides and fungicides** - minerally deficient crops fail to convert Nitrates to protein and amino acids resulting in a build up of Nitrates and reducing sugars - these are the exact conditions that attract pests and diseases.

Crops on your farm that are correctly mineralized from good nutrition will always make this successful conversion of Nitrates, and so will not be readily attacked by insects and diseases, allowing large savings on pesticides and reducing chemical residues.





- 3 Save you money by reducing your requirement for applied pesticides and herbicides** - soils that have great soil microbial diversity will be able to control soil-borne disease pathogens and plant parasitic nematodes from dominating the soil environment by direct competition for food sources.



Additionally, well adapted weeds grow much stronger than commercial crops in poorly balanced soils. As soils are balanced and mineralized, pest and weed pressure reduces.

- 4 Save you money by improving your crop water use efficiency and reduce soil degradation** - well managed crop rotation and cover cropping on your farm will build humus levels (organic matter levels). Humus holds four times its own weight in water - therefore for every 1% organic matter that you build up in your soils, you can hold approximately 48,000 (48 cubes) more liters of water for your crop which greatly reduces irrigation requirements.

Besides, increased humus and balanced minerals in your soils creates a healthy soil structure which resists soil and nutrient loss (pollution) through erosion.



Analysis with Recommendations

Crop: Capsicum
 Crop Stage:
 Comments:
 Condition: Moist

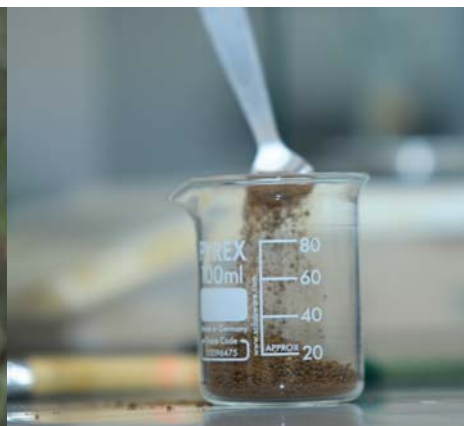
Date Received: 26-Jun-18
 Analysis Date: 3-Jul-18
 Report Date: 5-Jul-18
 Sample ID:

To maintain the correct history ensure that the next sample sent from this Field is labelled: GH 1-5

Unit	Result	Guide Low	Guide High	Low	Optimum	High	History (Last 3 analysis)		Method
							Symbol	Current	
	6.88	6.00	6.80				pH	6.88	Potentiometric
	621		< 800				EC(S)	621	Potentiometric
	130	50.0	100				P	130	Spectroscopy
	2360	359	957				K	2360	Spectroscopy
	3260	368	736				Ca	3260	Spectroscopy
	678	20.0	200				Mg	678	Spectroscopy
	80.8		< 353				S	80.8	Spectroscopy
	169		350				Na	169	Spectroscopy
	79.3	50.0	250				Fe	79.3	Spectroscopy
	333	30.0	2.00				Mn	333	Spectroscopy
	1.62	0.80	2.00				B	1.62	Spectroscopy
							Cu	1.69	Spectroscopy
							Zn	18.8	Spectroscopy
							C.E.C.	30.7	Spectroscopy

5 Features of our lab reports:

1. Fast, accurate results.
2. Colour coded for easy interpretation.
3. Experienced guideline levels based on the crop and soil type.
4. History of results on same report - no looking through old files!
5. Comments indicating likely deficiency symptoms.
6. Full Soil Fertility Correction Recommendations including rates of lime, gypsum, phosphate and compost.
7. Fertilizer and Foliar feed recommendations.



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Get in touch with us and we will put you in contact with the local agronomy adviser in your area

Crop Nutrition Laboratory Services Ltd.

Limuru

+254 711 094 444 | +254 720 639 933

support@cropnuts.com

www.cropnuts.com



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