

SOIL DEGRADATION COSTS THE FARMING INDUSTRY MILLIONS OF RANDS EACH YEAR IN REDUCED PRODUCTIVITY AND INCREASED INPUT COSTS. VITASOIL IS HELPING TO ADDRESS THIS PROBLEM

Intensive farming practices deplete the natural organic matter and micro-organisms that are normally present in healthy soil. Over time, growing conditions in the soil are degraded, so crop yields tend to diminish, and diseases become more prevalent. To counter these effects, farmers are forced to use more fertiliser and more pesticide, which further degrade the soil in a never-ending downward spiral. VitaSoil helps to restore the biological balance in soil, recolonising the micro-organisms and replenishing essential elements that are depleted by intensive farming. VitaSoil is a unique, patented blend of many living microbes, bio-carbon, humic acids and micro-nutrients that bring soil to life.

BIGGER CROPS, WITH LESS FERTILISER

Vitasoil provides essential enablers for plant growth, including humic acids and trace elements to the root zone. Field trials indicate that, with Vitasoil, roots can grow ten times bigger.

REDUCE DISEASES WITH LESS PESTICIDE

VitaSoil reduces plant diseases by using the natural effects of beneficial microbes, including probiotics, in the formulation. Lab tests show that VitaSoil inhibits the growth of six major pathogens: fusarium, rhizoctonia, sclerotinia, pythium, phytophthora and pseudomonas. There are no chemical pesticides in VitaSoil as attested by Ecocert.

USE LESS WATER

Vitasoil reduces water usage by improving soil structure and drainage. It does this using the microstructure of biocarbon (also known as biochar or terra preta). Seen under a microscope, bio-carbon resembles a porous sponge. The microscopic pores enable the biocarbon to absorb water, which is available to the plant roots as needed.

VERMICAST

One of the secrets behind VitaSoil's organic blend is the power of vermicast. Worms and their castings play an integral part in maintaining soil health by providing essential microbial enablers that help increase the uptake of nutrients by the plant. This also has various other benefits including:

- More efficient cationic exchange rate
- Better water retention and run-off through the formation of soil aggregates



VITASOIL

BRINGING SOIL
BACK TO LIFE

PLANT HEALTH

The microbial activity in Vitasoil works to transform the nutrients in the soil into a plant- soluble form, drastically increasing the uptake of nutrients by plants. Farmers are thus less dependent on traditional fertilisers and can reduce the use of these products by up to 50% without compromising yields.

RISK FACTORS FOR SOIL DEGRADATION

The biological health of soil will be at risk of degradation if any of the following factors are present:

- High tillage
- Single cropping
- No fallow periods
- Burning stubble

Applying Vitasoil will help reverse the negative effect of these practices on the soil.



APPLYING VITASOIL

Application rates vary, depending on the type of crop and the condition of the soil. Typically, 50kg per hectare is enough to make a real difference to the soil. This should be repeated every year for healthy soil.

100% ORGANIC, 100% NATURAL

VitaSoil is made from 100% organic components and is ideal for growing certified organic produce. Vitasoil is approved by Ecocert.

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SYMPTOMS OF SOIL DEGRADATION

The biological health of your soil may already be degraded if any of these symptoms are evident:

- Little or no visible life in the soil
- Soil is compacted poor drainage
- Crop yields declining each season
- Plant diseases are more prevalent
- More fertiliser needed each season
- More pesticides needed each season
- Soil is excessively acidic
- Toxins building up in the soil
- More water needed each season

Use Vitasoil to help the process of returning health to your soil.

VitaSoil is manufactured and distributed in South Africa by:

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