

VRM Topsoil Regeneration System

A global farming breakthrough.

VRM's patented bacterial photosynthesis process results in much richer soil and therefore increases crop yields. It increases phosphorus in the soil by 100% VRM is more effective than traditional fertilizer. VRM's equivalent input cost is approximately 54% lower than traditional chemical fertilizer.

14 Patents granted.

- ✔ Soil restoration
- ✔ Animal husbandry
- ✔ Water/ environment
- ✔ Cleaning
- ✔ Carbon capture
- ✔ Drought solutions
- ✔ Food security

Unique regenerative sustainable farming technology that:

- ✔ Restores degraded and suboptimal topsoil.
- ✔ Naturally boosts soil moisture as a buffer for drought affected farms.
- ✔ Guaranteed to increase nutrient availability and create soil moisture -without rainfall.
- ✔ Natural biotechnology that cleans, restores, and neutralizes damaging environmental pollutants, accidental spills, polluted wastewater outflows, and controls organic degradation odor-without the use of harmful dispersion chemicals or superficial fragrances.

The science behind our world changing breakthrough

Only VRM uses a profoundly different, vastly more effective way to harness and boost soil health and vitality. This process creates better, richer, healthier soil, 100% chemical free.

- ✔ Soil quality massively improves
- ✔ Soil nutrients increase
- ✔ Yields significantly improve
- ✔ Fertilizers can be replaced
- ✔ Drought is mitigated
- ✔ Farm values increase

The old paradigm creates topsoil erosion - how the world currently grows crops - green plant photosynthesis and chemical fertilizers Green Plant Photosynthesis does not work at night. So, the plant production system is working only half the time. In fact, at night CO₂ and water leave the plant Through constant land use over time, chemical-based farming practices deplete the soil of water and nutrients, requiring the use of ever more chemical fertilizers and pesticides. This promotes the long-term erosion and degradation of topsoil

The new paradigm - VRM farmers naturally grow crops, using bacterial photosynthesis. Water producing bacteria use nonvisible light including Infrared and UV rays as their key energy source. This light is present day and night which enables at least 2x yields from energy production 24 hours a day. This unique process of bacterial photosynthesis also notably improves yields through its unique ability to manufacture water in dry soil, without the need for rain or irrigation. This organic waste residue undergoes a continuous fermentation (patented process) using IR and UV light. It sequesters carbons from the air and converts the organic matter into natural fertilizers, through bacterial photosynthesis.

Application: When spread like a fertilizer over degraded topsoil, it reinvigorates the soil, and bacterial photosynthesis continues by stimulating the live bacteria in the soil. This process continuously produces water and nutrients, without the need for rain. The additional water produced in the soil, unlocks 'trapped' Phosphorus restoring soil health and releases nutrients without chemical fertilizers' natural boost of important nutrients is unlocked by soil microbes using the additional moisture, to make it soluble and therefore bioavailable to the plants.

Action: <https://www.greensafeworldwide.com/> Use Contact Info - We'll assist with your grow test.

Hydrosynthesi Tech Intro

Creates and holds soil water (even in times of zero rainfall). Water producing bacteria use nonvisible light including Infrared and UV rays as their key energy source. This light is present day and night which enables at least 2x yields from energy production 24 hours a day. This unique process of bacterial photosynthesis also notably improves yields through its unique ability to manufacture water in dry soil, without the need for rain or irrigation. Water producing bacteria use nonvisible light including Infrared and UV rays as their key energy source. This light is present day and night which enables at least 2x yields from energy production 24 hours a day. This unique process of bacterial photosynthesis also notably improves yields through its unique ability to manufacture water in dry soil, without the need for rain or irrigation.