



SANBIO VITAL.

Nutrition. Stimulation. Protection.

The multi-functional fertilizer//activator for fertigation for all crops



WHY VITAL ?

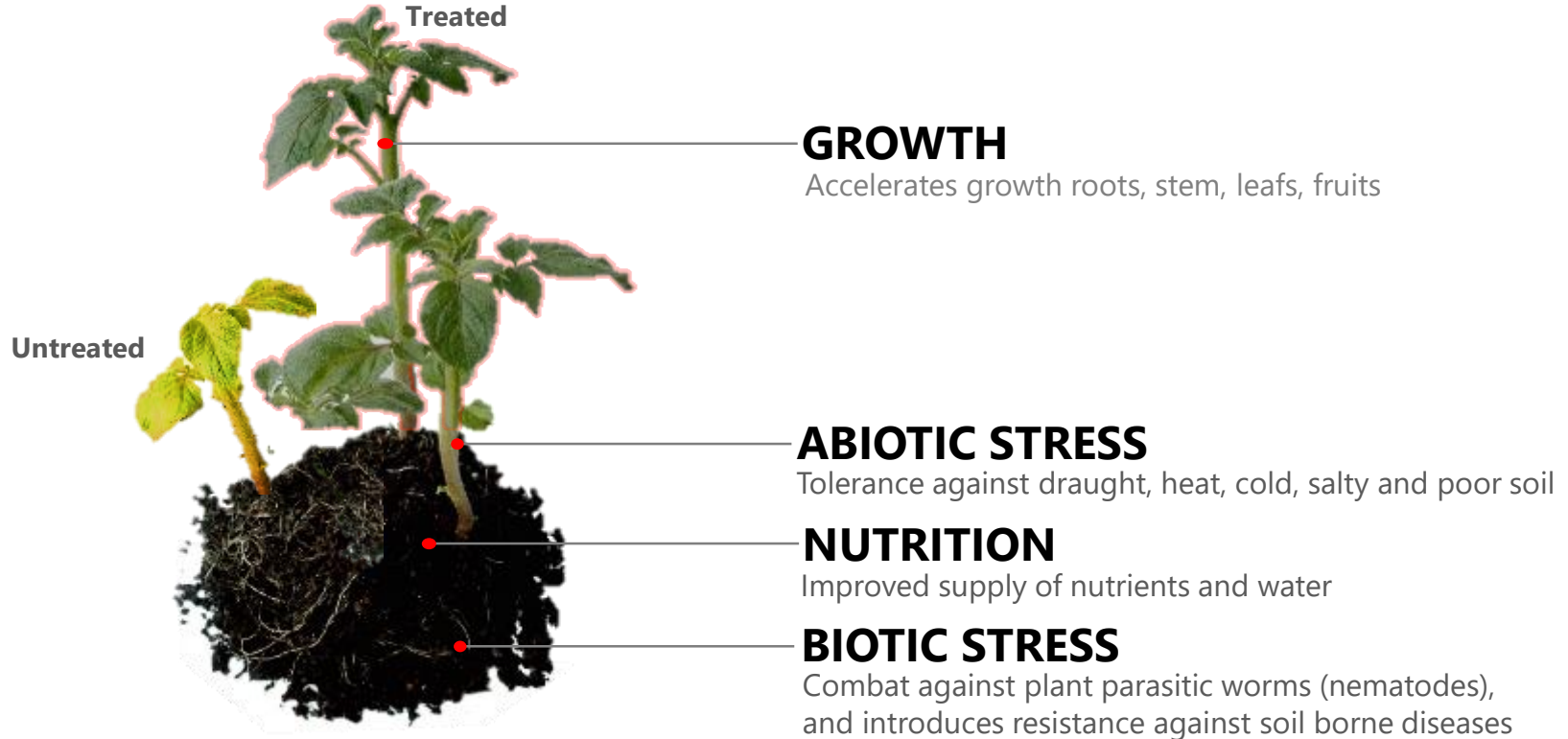
»We help you to **rescue**
your **harvest** and to make
more **money**.«

Jörg MEYER
Founder and CEO



IT GIVES YOU THE **FULL CONTROL**

Sanbio® VITAL provides strong **protection** against plant parasitic worms (nematodes) and provides control of **growth** promoting factors through its special production technology.





YOUR BENEFIT



CARE

by combat parasites and
restore plant health



YIELD

by balancing nutrition
and promoting growth



REVENUE

by rescue and increase
your harvest

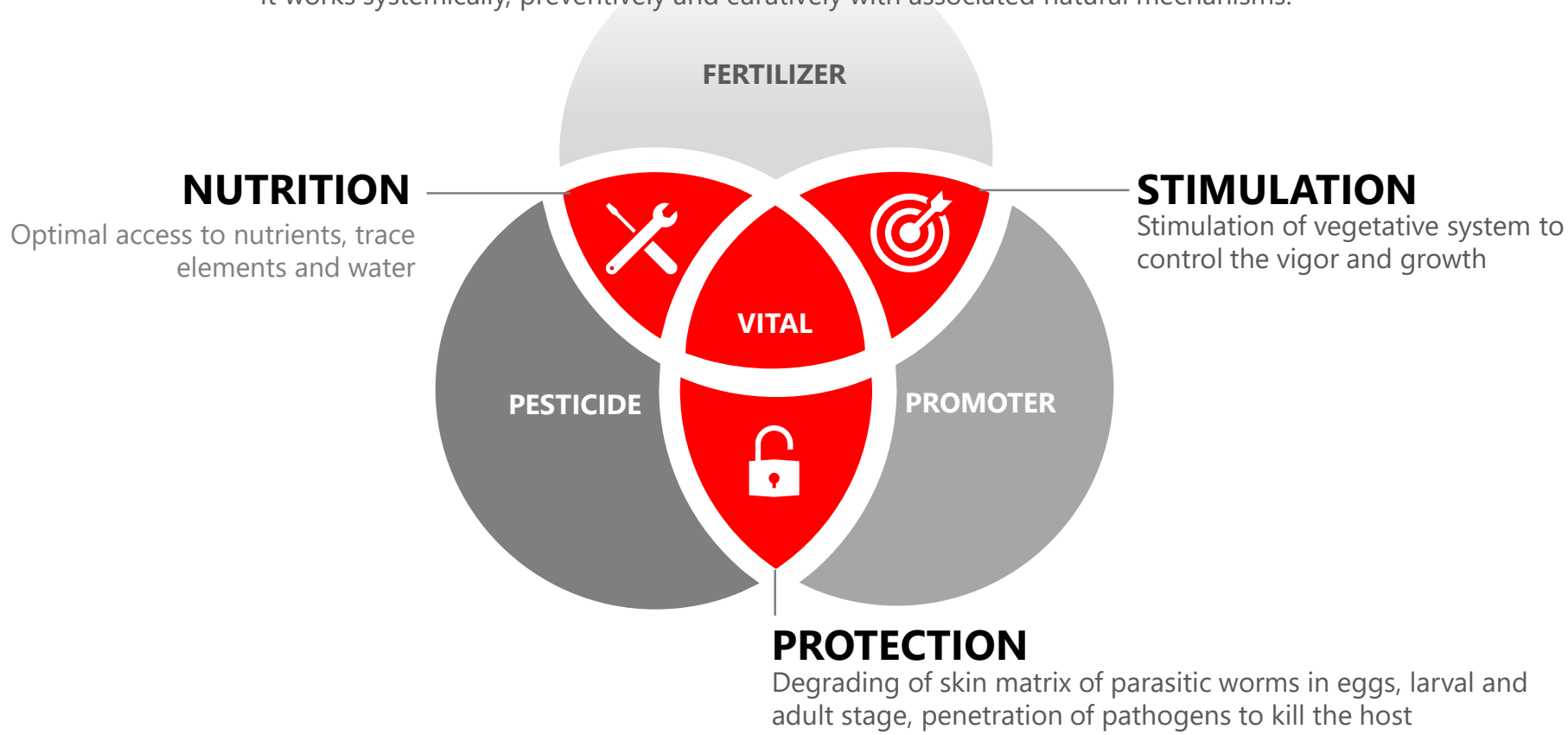


BE DIFFERENT

MULTI-FUNCTIONAL - THE BEST FROM EACH CATEGORY

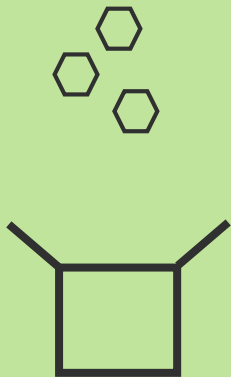
Sanbio® **VITAL** combines **core functions** from each category.

It works systemically, preventively and curatively with associated natural mechanisms.



INNOVATIVE **PROGRAMMING** MAKES THE DIFFERENCE

Raw materials



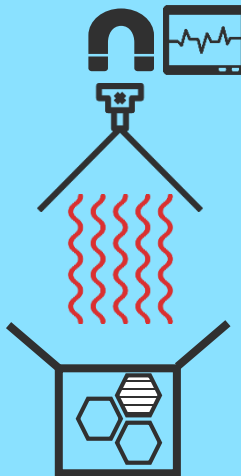
1. SELECTION

Mixing and filling



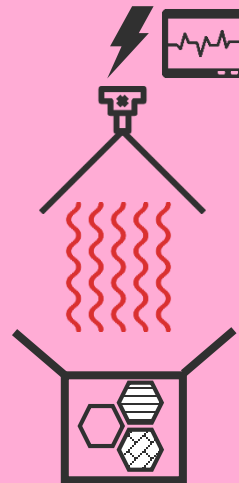
2. COMPOSITION

Magnetic field



3. MODIFICATION

Electric field



4. POLARISATION

Transportation



5. FINAL PRODUCT

THE BEST A FARMER CAN GET

ORGANIC-MINERAL FERTILIZER/ACTIVATOR

Suitable for all crops

TARGETED CONTROL BY BIOLOGICAL ACTION

Potent liquid formulation
with 100% solubility



COMPOSITION

Algae / seaweed extract..20.0 %w/w
Yucca extract.....30.0 %w/w
Nitrogen.....4.5 %w/w
Magnesium sulphate.....5.5 %w/w

ACTIVATED

Iron-Sulphur-clusters to trigger
protection and growth functions

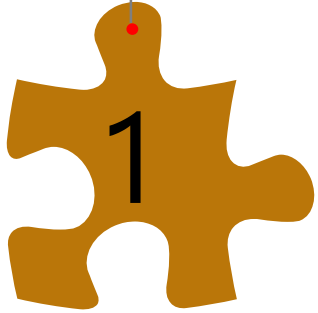


MODE OF ACTION

SCIENCE AT **WORK**

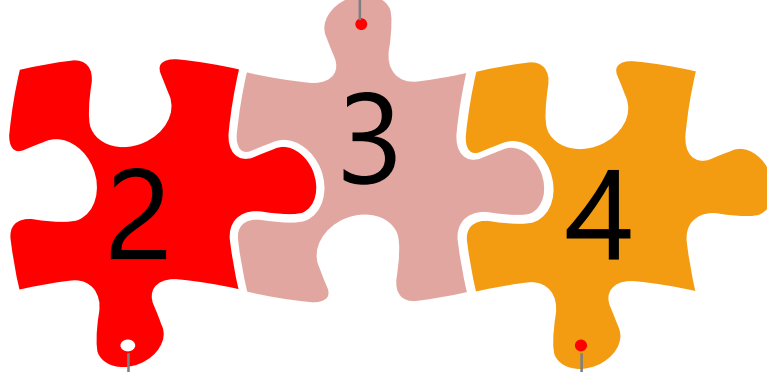
APPLICATION

Transfer of product into root zone and into plant cell



CROP PROTECTION

Secretion of polysaccharides, degrading of skin matrix of parasites and subsequently killing of host by antagonistic pathogens



STIMULATION

Electrical stimulation of plant cells

GROWTH & STRESS CONTROL

Secretion of phyto-hormons

SUCCESS

Rescue and increase of harvest



SAVE TIME. **SAVE MONEY.**

The soluble product is applied directly into the root zone. This saves time and effort.
The fertigation ensures fast protection and accelerates the growth.

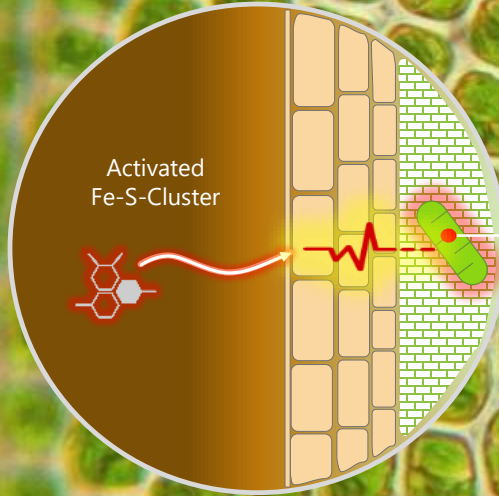
FERTIGATION

Fast effectiveness

1

UTILIZE YOUR **FULL POTENTIAL**

The raw material is activated in a special process: bio-catalytic stimulation by surface modification. The contained Iron-Sulphur-Clusters are encoded in an electromagnetic field. In the plant cell, the frequency-coded signals are transmitted from the clusters to the plant cell. This electromagnetic stimulation can affect specific phytohormones, proteins, amino acids, immune system and can trigger specific functions.



STIMULATION OF PLANT CELL

Interaction of electrical signals

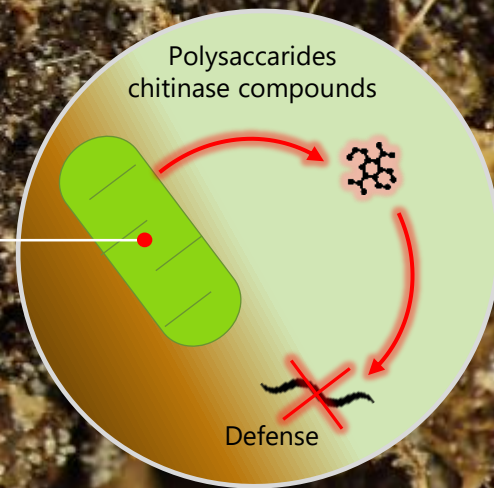
2

INTEGRATED CROP PROTECTION

The selective secretion of polysaccharides - chitinase compounds leads to degrading of skin matrix of nematodes in egg, larval and adult stage. As a result, the permeability of worm skin is increased. Consequently, pathogens can penetrate the skin, weaken and kill the host.

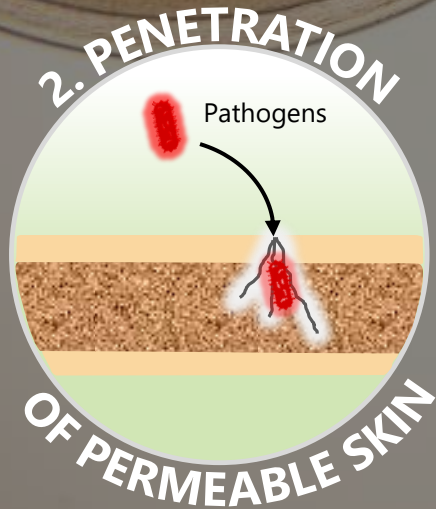
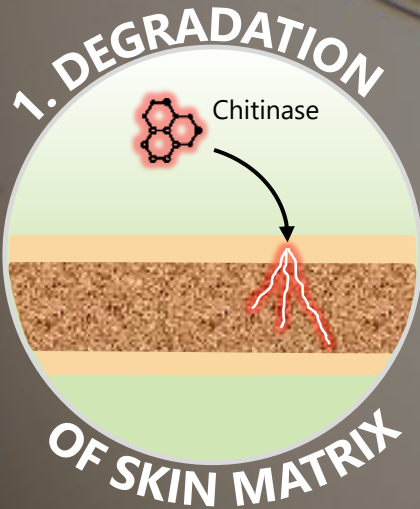
SELECTIVE SECRETION

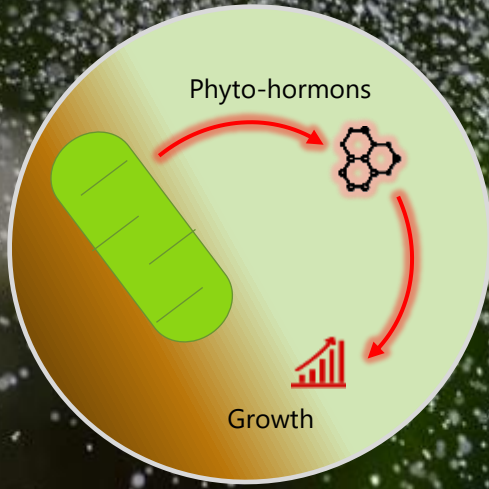
Release of targeted compounds



3

THE NATURAL WAY





4

GROWTH CONTROL

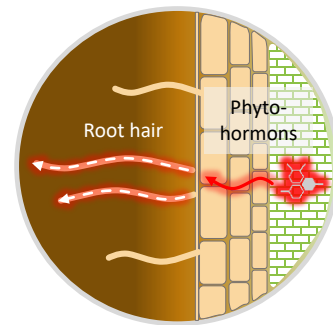
The forced secretion of phyto-hormons such as Gibberellin, Cytokinin, Auxin, Ethylene, etc. can control the vegetative growth of roots and leaves, plant vigor, ripening and development of fruits.

WITH LARGE ROOTS COMES **FULL ACCESS**

The activation of proteins which contribute to root elongation regulates the asymmetric cell division and cell proliferation in the root meristem. The significantly enlarged root mass can absorb much more water and nutrients and anchors the plant better in the soil.

ROOT SYSTEM

Development of root mass and root hairs to improve the supply



RECOVERY OF HEAVILY INFESTED CUCUMBER ROOTS



BEFORE TREATMENT

Heavily infested cucumber roots



2 WEEKS LATER

Development of new roots
(1 treatment per week)

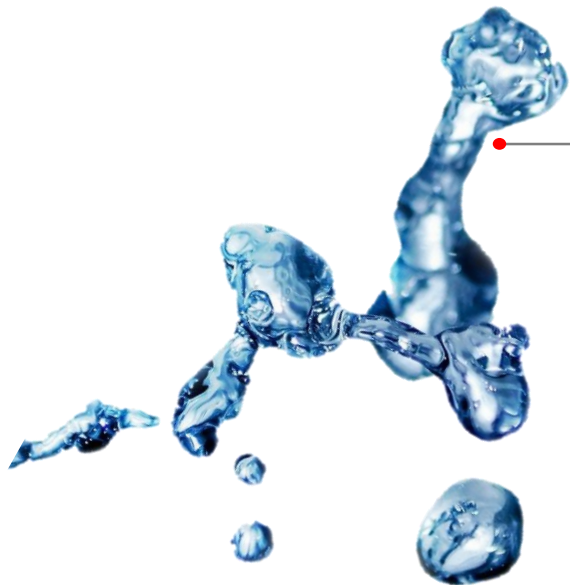


8 WEEKS LATER

Total recovery of large root mass

DON'T ABDICATE THE **ESSENSTIALS**

Optimized utilization of water and nutrients helps you to save valuable irrigation and expensive fertilizer.

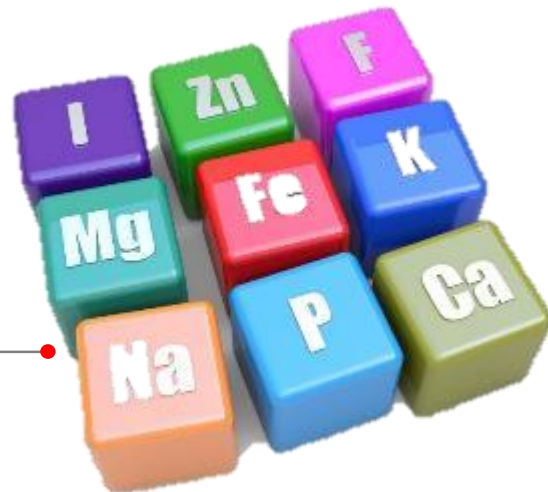


WATER

The most crucial and precious asset

NUTRIENTS

Balance deficiencies





ABIOTIC STRESS TOLERANCE

EXTREME TEMPERATURE

Tolerance towards heat, cold and frost

The activation of specific proteins on cellular level strengthens the tolerance and resistance towards abiotic stress factors. By that the crop plant is able to adopt and balance disorders, thus maximize growth, development and productivity even under unfavourable conditions.

SOIL TOXICITY

Tolerance towards salinity and heavy metals

DROUGHT & WATERING

Tolerance towards water deficit and flooding

RESCUE YOUR HARVEST





JUST DO IT



5

Liter product

+500

liter water

=1

hectare



fertigation spray



preventive &
curative care

1-2

applications



FARMER APPROVED







GET IN TOUCH WITH US

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