



--- production of biofertilizers / biostimulators ---



# MICROBIAL BIOSTIMULANTS



## FOR APPLICATION ON LEAVES AND SOIL

ekofertile™ is ecological, innovative, value adding, the scope and the contribution of an innovative technology to the achievement of the global sustainability goals are exceptional.



**NO  
CHEMICAL  
INGREDIENTS**

**100%  
ORGANIC  
AND  
ECOLOGIC**



## MICROBIAL SOIL AND PLANT STIMULANTS

Biostimulants contain microorganisms that promote plant growth and activate soil life. This in turn accelerates the transformation of organic substances and thereby increases humus production, shortens the vegetation period, improves soil conditions for greater root mass, increases yield due to improved nutrient availability, and improves nutrient and soil conditions for better crop quality. Microorganisms in the root microbiome develop the immune system of plants, even increase growth and thus play an important role in the plant ecosystem.

The need for biostimulants is now more than ever felt for several reasons, not to mention the explosion in the price of chemical fertilizers. On the one hand, the new restrictive fertilization rules are increasing the pressure on farmers. Despite the tightening of the guidelines, they want to continue to collect high yields and good quality. On the other hand, active substances known for a long time are failing due to resistance.



## A BIOLOGICAL TOOL

**ekofertile™** uses natural heterotrophic microorganisms as a biological tool. Our biostimulant for soil and plant products offers a unique combination of microorganisms, organic acids, and dissolved micronutrients (minerals). They guarantee greater root growth, therefore a greater number of fine roots and better phosphate absorption. Amino acids, in combination with trace elements, stimulate plant growth. Fulvic acids, water-soluble short-chain humic acids, improve nutrient absorption and thus lead to corresponding benefits in plant growth.

## ekofertile™ soil

**ekofertile™ soil** (soil supplement) primarily serves to promote or restore the microbiome in the soil, our biostimulants strengthen or even rehabilitate the microbiome. While conventional liquid fortifiers can only be applied to a limited extent in the root zone, **ekofertile™ soil** is mixed into the surface layer of the soil and becomes part of the root space. The contained organic acids and humic acids are very stable and form clay-humus complexes in the soil, which bind water and nutrients. They are effective against abiotic stress such as lack of water.

Probiotic lactic acid bacteria contained in **ekofertile™ soil** improve the soil, fight against plant diseases, strengthen your immune system and defend against abiotic loads and stimulate plant growth.

The use of **ekofertile™ soil** helps sustainably maintain the functionality and performance of the soil with reduced use of pesticides and fertilizers. By using it, considerable amounts of fertilizers can be saved with long-term protection of biodiversity and soil.





## ekofertile™ plant

Our liquid biostimulant contains living, growth-promoting microorganisms (PGPM), various organic acids produced by the microorganisms, and trace elements, which are applied to the leaf surfaces of the crop plants or to the soil. The PGPM specifically colonize the root area and the inside of the plant and increase the health, resistance and growth of the plants.

The microorganisms contained in *ekofertile™ plant* directly influence plant growth.

They also buffer the effects of biotic (fungi, bacteria, viruses and insects) and abiotic stress factors (heavy metal levels, periods of drought, lack of nutrients, high salt levels and extreme temperatures). They produce the plant's own hormones, which act as messenger substances and thus control and coordinate both growth and development.

The microorganisms produce metabolites that are said to have an antifungal, antibacterial, antiviral or phytotoxic effect. In addition, pathogens are pushed back within the rhizosphere simply because of increased competition from the mere presence of the PGPM.



## ADVANTAGES

*ekofertile™ plant* is a natural biostimulant (organic - mineral NK fertilizer) for the biological strengthening of ornamental and crop plants - *ekofertile™ soil* (soil additive) primarily serves to promote or restore the microbiome in the soil - and the growth of the plants. *ekofertile™* :

- ✓ ensures increased root growth
- ✓ increases root mass and fine roots
- ✓ improves food and phosphate absorption
- ✓ stimulates plant growth
- ✓ revitalizes the microbial life in the soil
- ✓ increases humus production
- ✓ improves the water storage capacity of the soil
- ✓ shortens the growing season
- ✓ increases the yield as well as the quality of plants and crops
- ✓ increases the health, resistance and growth of plants
- ✓ increases efficiency and reduces the need for fertilizers
- ✓ acts against abiotic stress
- ✓ increases seed germination and germinating root development.



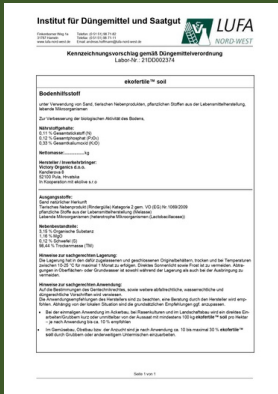
*ekofertile™* is completely organic, contains no chemical elements, and has a lasting impact on nature and the environment when used and manufactured without fossil fuels.

Soil and plant biostimulants from **Victory Organics** support ecological transformation.



## U.S. ETV VERIFICATION CERTIFICATE

The Environmental Protection Agency (EPA) has issued a certificate confirming the safety of the by-products of *ekofertile™* leachate obtained by bioleaching technology using Microlive® heterotrophic bacteria. Microlive® heterotrophic bacteria bioleaching technology improves the quality of quartz sand. The test results confirmed the safety of using the product in organic farming.

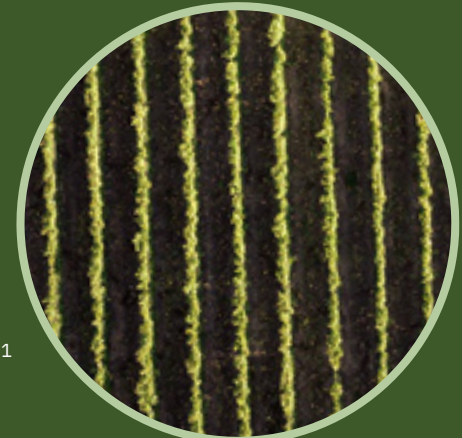


## GERMAN CERTIFICATE LUFA

The German institute "LUFA" conducted a large number of analyzes that received permission to register the product as a stimulant for the improvement of plants and soil. The certificate authorizes the sale of the product. Local registration may be required in certain countries.

## NL LIST FOR ORGANIC FARMING

The EU organic legislation refers to the VO. 2018/848 and 2021/1165. Our implementation is in accordance with the Basic Administration Criteria for the European Input List.



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