

Liquid soil improver to prevent abiotic plant stress

■ DESCRIPTION:

MicroAktiv®-APS is a mixture of selected, naturally occurring micro-organisms for use in the cultivation of vegetables, ornamental flowers, pot plants and grass. **MicroAktiv®-APS** is a liquid containing 11 different, naturally occurring, species of bacillus strains.

Abiotic Plant Stress (APS) is a phenomenon caused by external factors in the environment of the plant. APS can originate underground, e.g. by repotting or transplanting the crop, causing damage to the roots, or by the salinity in the soil. But APS can also arise above ground due to wind and/or temperature influences, drought or too much radiation.

MicroAktiv®-APS is a liquid product consisting of 11 different Bacillus strains and is used as a soil improver. These Bacillus strains have been selected for their soil structure improving property. This results in a better growing plant, which increases the resilience of the crop. By adding **MicroAktiv®-APS** to the soil, the biological balance improves, resulting in an improved absorption of nutrients. By applying **MicroAktiv®-APS** during sowing, a better germination of the seed is created, which contributes to a good development of the root system and the cell walls of the plant. This reduces the influence of APS on the crop. **MicroAktiv®-APS** works both in greenhouses and outdoors on the ground.



■ APPLICATIONS:

MicroAktiv®-APS is used as a soil improver in the cultivation of:

- Vegetables
- Flowers
- Ornamental Plants
- Grass

■ APPLICATION PROGRAMS:

MicroAktiv®-APS can be applied via irrigation pipes or by spraying the product during sowing/planting. The dosages below can be used for these applications:

- Irrigation pipes: 3-5 litres/ha. 250 ml x 100 liters of water per 1000 m²
- Spraying: Dissolve 0.5 liters of product in 100 liters of water on 1000 m²



■ **PRODUCT CHARACTERISTICS:**

Appearance	Light brown liquid
Ingredients	Selected, naturally occurring, non-pathogenic saprophyte Bacillus strains <ul style="list-style-type: none"> • Bacillus subtilis: Improves the absorption of nutritional nutrients and organic matter • Bacillus laterosporus: Breaks down dead organic matter and improves the decay process • Bacillus pumilis: Improves the absorption of nutritional nutrients and organic matter • Bacillus licheniformis: Increases root system growth • Bacillus megaterium: Improves the absorption of phosphorus and potassium • Paenibacillus polymyxa: Binds nitrogen from the air
Nominal CFU count	10 ⁸ CFU/ml
Shelf life	1 Year (when stored properly; 5° -10° C)
Packaging	5 Liter jerrycans

■ **OPTIMAL APPLICATION CONDITIONS**

MicroAktiv® products are based on natural ingredients and bacteria. Therefore, do not use the product in combination with biocides and fungicides. Soils that have been exposed to these agents for a long time contain residues of these products and are not directly suitable for the application of MicroAktiv®. These obstacles can be overcome with the help of certain additives. Consult the MicroAktiv® product specialist for the best treatment program.

■ **STORAGE & HANDLING:**

Storage	5° - 10° C Dry Conditions; DO NOT FREEZE
Handling	<p style="text-align: center;">CAUTION</p> The product contains class 1 microbes, defined by EEC Directive 2000/54, which are unlikely to cause disease in healthy humans and animals. However, individuals with compromised immune systems or a history of severe allergic reactions/reactions should avoid contact with open wounds and/or inhalation of dust or mists from product handling or manufacturing process.

MicroAktiv® is a registered trademark

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