



LITHOVIT®

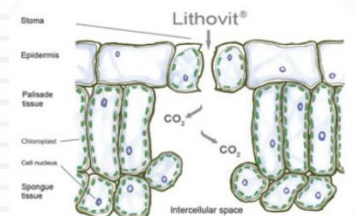
**Crop Health
Products**

is the first CO₂ foliar fertilizer that can be used to achieve an enhanced yield outdoors in the same way as under glass. In addition, **LITHOVIT®** contains numerous trace elements which have a directly beneficial impact on the plant's entire metabolism. Thanks to the combination of these effects, the use of **LITHOVIT®**

enhances the plants' vitality and markedly improves their stress tolerance. A new technology is used in the production of **LITHOVIT®** through which the properties of the natural basic material, limestone, are substantially enhanced for use in agriculture.

LITHOVIT® features:

- Improves crop yields, quality and storage properties
- Accelerates growth and intensifying the green coloration
- Increases resistance, growth and vitality
- Increases tolerance of frost, drought and other forms of physiological stress
- Enhances the supply of essential trace elements to the plants
- Reduces the water requirement



LITHOVIT®

CO₂ foliar fertilizer for outdoor use is a new top-quality nanotechnology product created by tribodynamic activation and micronization and made in Germany. Highly energized **LITHOVIT®**

particles, sprayed finely onto the leaf surfaces as a 0.5% suspension in water, are taken up directly through the stomata and converted into carbon dioxide. In this way **LITHOVIT®**

® can considerably increase the photosynthesis rate, since the essential factor limiting photosynthesis outdoors is the natural CO₂ content of the air. This leads to yield increases accompanied by a reduced water requirement, since with **LITHOVIT®**

the plants are able to keep the stomata closed longer and so withstand water stress better. In addition, the micro-nutrients also contained in the product and the trace elements such as manganese, copper, zinc etc., which have an impact on plant physiology, increase the resistance, growth and vitality of the plants and the general quality of the crop.



LITHOVIT®

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Products

Natural CO₂ Foliar Fertilizer – Tribodyn Soil Fertilizer – Made in Germany

LITHOVIT®

consists 100% of calcium carbonate made from limestone from natural deposits with trace elements, and is easily assimilated. It is approved for use in organic farming pursuant to Council

Composition:

calcium carbonate 83 from natural mineral limestone deposits, with micro-nutrients, easily assailable

79.19% calcium carbonate

11.41% silica

4.62% magnesium carbonate

1.31% iron

0.97% alumina

0.55% sodium oxide

0.33% sulphate

0.21% potassium oxide

0.06% nitrogen

0.01% phosphate

0.014% manganese

0.005% zinc

0.002% copper





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The effect of **LITHOVIT®** on the intensity of photosynthesis

Brassicas (cabbage, red cabbage, cauliflower, Chinese leaves, savoy cabbage, mangel-wurzel etc.) 1st application either directly after planting out, or, where plants are grown from seed, at the time of the first tending (approx. 2 to 3 weeks after sowing) 2nd and 3rd applications at intervals of approx. 2 weeks The last application should be not later than around two weeks before harvesting (note: later applications in accordance with the recommendations are not harmful in any way, but the time is too short for them to be properly effective). Each application should be made in a concentration of 0.3 %, representing a quantity of 1.5 kg per hectare (an application of around 500 l) or of up to 3 kg per hectare (an application of around 1,000 l).

General notes

As a rule, **LITHOVIT®** can be mixed with any customary plant protection agent or with a combination of these, with the exception of preparations that are applied in the form of an acid solution. We recommend spraying with as high a pressure as possible (from 4 bars upwards) and nozzles with a diameter of around 0.3 mm.

LITHOVIT® should be mixed to a slurry with a small quantity of water directly before use, and then poured slowly into the spraying vessels. After being mixed with water, it should be used within six hours.

