



LITHOVIT®

NATURAL CO₂ FOLIAR FERTILIZER

FOR OUTDOOR AND INDOOR USE

Suitable for all field crops, grassland, fodder plants, floriculture, horticulture and forestry

LITHOVIT®, a natural intensified CO₂ foliar fertilizer for indoor/outdoor use, is a top-quality natural technological product created by tribodynamic activation and micronization to levels of 10-20 microns. 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.

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.

Highly energized Lithovit® particulates, sprayed directly onto the leaf surface, are taken up directly through the stomata and converted into carbon dioxide.

Lithovit® intensifies CO₂+ Neg Charge+ Intensified Oxygenated delivery platform. In this way Lithovit can considerably increase the photosynthesis rate, since one of the essential factors limiting photosynthesis outdoors is the lower natural CO₂ content of the air. This leads to yield increases (up to 50% and more), accompanied by a reduced water requirement (by up to 75%), since with Lithovit® plants are able to keep the stomata closed longer in case of water stress (balancing of nutrients). In addition, the micro-nutrients also contained in the product and the trace elements that influence plant physiology and increase the resistance, growth, vitality and general quality of the crop.

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

Composition:

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

79.19% calcium carbonate, 11.41% silica, 4.62% magnesium carbonate, 1.31% iron, 0.97% aluminum, 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

Regulation (EEC) No. 2092/91 - European Community, is harmless to humans and animals and does not represent a hazard to water.

Instructions for use:

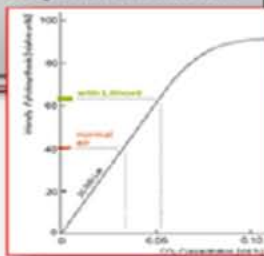
There are three different times at which Lithovit® can be applied:

- At the beginning of foliation,
- At the time of flowering and
- During the period when the fruit is growing.

Lithovit® may be used once or several times, at the most every 3-4 weeks, separately or in combination with a plant protection agent. Minimum dosage 1kg/ha (0.3-0.5 % water suspension [300-500 g of Lithovit per 100 l of water]). **Roses and ornamentals 0.2% solution (1000-1200 L)**

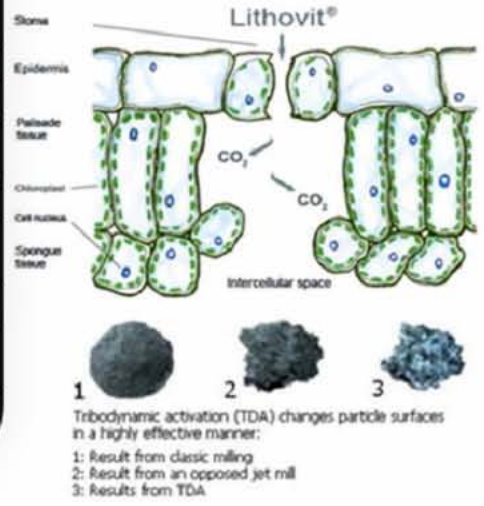
pH of 6-10 must be strictly adhered to in the spray mixture. It can be applied using any agriculture sprayer with agitation or hand operated sprayer.

The low CO₂ content of normal air (0.04 vol.%) means that most cultivated plants fail to achieve an optimum level of photosynthesis. Assuming that temperature conditions are favorable and there is sufficient supply of nutrients and water, the maximum level of photosynthesis is achieved at around 0.1 vol.% CO₂. The use of Lithovit® Natural CO₂ Foliar Fertilizer can thus improve the photosynthesis performance. In addition, the effect is further enhanced by micronutrients contained in Lithovit®.



Examples of Recommended Application:

Crop	Recommended Applications
Grain (wheat, Barley and Rice)	2 applications; 1st at 3-5 tillers and the 2nd after appearance of the last leaf.
Maize	2 applications – the first between the 4th and 6th leaf, the second at 10th leaf.
Potatoes	2 applications – 15 days after first foliation and again after a further 21 days.
Salad crops & vegetables	2 applications – the first at 4-6 leaves, the second 21 days later.
Peas and French beans	3 applications: 3-5 leaves, leaves fully developed and at 6 weeks later
Tomatoes, Aubergines, and paprika	3 to 5 applications at intervals of 15 days, commencing with the second leaf.
Fruit crops	3 applications at intervals of 15 days, commencing approx. 10 days after the first foliation.
Flowers and Ornamentals	3-4 applications/flush. 0.2% solution (1000-1200L/ha) at 14 day intervals.
Oil-seed rape	2 applications: 3; 5 leaves and 2-3 side Shoots detectable.
Pine apples	3 applications; first at 3 leaves; second after 4 weeks and third after another 4 weeks.
Tobacco	2 applications - 5-7 leaves and between 12th leaf and beginning of flowering.



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.

The garden planted on 20 Jun'12: after apply 7 days
 Ruộng lớn: Sau khi phun 7 ngày

After being mixed with water, it should be used within six hours.



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