

The challenge – bigger and better crops!

In today's world it is estimated that 1 billion people are going to bed hungry. The population is growing and with it the demand for sufficient supply of food.

Within the next four decades the population of the world will rise by about 30% and the demand for agricultural products is estimated to rise by 70%. Agricultural land is limited, deforestation has to stop and there is a competition developing crops for food or biofuels.

The use of more chemical fertilizers and pesticides is certainly not a solution and water supplies are becoming more and more limited. The challenge remains to find more efficient and environmentally friendly measures to address these problems .

*One possibility to increase crops in an environmentally safe way are foliar nutrients like **HERBAGREEN***

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Foliar nutrients, like **HERBAGREEN**®, are by far the most effective way to provide the plants with nutrients and trace elements. The nutrients are immediately available and easily used by the plants.

Investigations by the University of Michigan showed that the up-take of nutrients through the leaves is about 10 to 100 times faster than through the roots. Nutrient imbalances can be quickly corrected by stimulating root up-take of macro nutrients.

Foliar nutrients correct deficiencies, strengthen weak or damaged crops and speed up the growth of strong plants.

HERBAGREEN® is a 100% natural mineral product based on the patented tribomechanical activation of limestone. Limestone particles (calcium carbonate 83) from natural deposits with trace elements are treated and activated for **HERBAGREEN®** in a special technological feeding system, using high speed particle collision together with energy upload.

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HERBAGREEN® - Pure Mineral – non Toxic – non Polluting!

Sprayed on to the leaves the activated micronized particles of **HERBAGREEN®** penetrate through the stomata (pores) into the leaves.

In the leaves the particles are split into CO₂ (carbon dioxide) and C_aO (calcium oxide) and M_gO (magnesium oxide) which are immediately plant available.

Effect: highly increased photosynthesis and stress resistance resulting in fast growing healthy plants

APPLICATION:

Powder the seed or moisten the seedlings with **HERBAGREEN®** prior to planting. Spray the plants with a 0.2% dispersion (350g/Rai) after development of the first 3-4 leaves. Thereafter every 2-3 weeks with 0.2% to 0.3% dispersion

MODE OF ACTION

Photosynthesis is the most important process taking place in plants. This process is triggered by chlorophyll absorbing light resulting in Carbon dioxide (CO₂) plus water (H₂O) being converted to Carbohydrates and Oxygen (O

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The required 0.1% of CO₂ for photosynthesis is taken from the air but only 0.03 to 0.04% is actual available.

From the diluted **HERBAGREEN**[®] uptaken by the plant, now the available CO₂ increases to 0.065% resulting in significantly higher photosynthesis.

GENERAL RESULTS, valid for all cultures

Application of **HERBAGREEN**[®] results in:

shortening the vegetation period by up to 30%
increased yield (20% to 40%) in green houses even much more

improved resistance against diseases
anti-fungal protection

reduction of problems with undesired insects

significant increase of biomass (BRIX) in fruits and vegetables

longer storage life of fruits
improved organoleptic qualities and coloration

better taste

healthy seeds for the next crop.

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CERTIFICATION

The natural fertilizer □□ **HERBAGREEN®** □□ made of Calcite (CaMg)CO₃

is certified for use in organic growing.

In Europe certified as an ecological product

corresponding to the NFU44-001 standard for use in organic agriculture

in conformity with CEE No. 2092/91 regulation of 24/7-91

HERBAGREEN® has is no toxicity at all, no health risk for the farmers and no burden on the environment.

Plants and farmers love **HERBAGREEN®**

