

## PRODUCT DATA SHEET

### ENERGEN FOLIAR

**PREPARATION:**

**PRODUCER:**

EGT system spol. s r.o.

U Cukrovaru 1669/4B, PSČ 747 05, Opava, Kateřinky

**CONTENT:**

Humic substances and their salts 12 %

Extract from seaweed 5 %

pH 6.5 to 8.5.

**ENERGEN FOLIAR** further contains a mixture of oligopeptides and amino acids, wetting agent with adhesive effect and other substances enhancing the creation of chlorophyll and the growth and recovery of leaves. The content of hazardous elements complies with the limits in mg/ 1kg: Cd 1, Pb 10, Hg 1, As 10, Cr 50 stipulated by law in the Czech Republic.

**EFFECTS:**

- **THE INCREASE OF CONCENTRATION OF CHLOROPHYLL AND THE RATE OF PHOTOSYNTHESIS.**
- Slows down and even reduces ageing and dying off of older leaves.
- Causes quick flow of nutrients and assimilates to the leaves and parts of plants sprinkled.
- Promotes the creation of new leaves and enlarges the leaves of plants.
- Stimulates most the kinds of plants whose increase of yield is closely related to the size and performance of leaf apparatus.
- Increases the content of reserve substances (starch in potato, sugar in sugar beet, sugar cane and the content of sugar in grapes, fruit and fruit vegetables)
- Accelerates metabolism and water relations. (apply only where there is sufficient moisture).
- Quickly removes the consequences of chemical and mechanical damage.
- Contains wetting agents and adhesives that create coating on leaves resistant to rain. Receives moisture from morning dew and repeatedly doses active substances to leaves.

**MAIN PURPOSE:**

- **FOR PLANTS WHOSE FORMATION OF YIELD IS CLOSELY RELATED TO THE SIZE AND PERFORMANCE OF LEAF APPARATUS.**
- For crops where the goal is quick growth of leaves and the plants proper. The necessary condition is, however, sufficient amount of moisture. (e.g. vegetable in a greenhouse or vegetable under irrigation.)



**ADDITIONAL AND SPECIAL PURPOSE:**

- **Recovery after damage:** after chemical (herbicide) and mechanical (hails) damage of vegetation.

**CROPS:**

- **Potato:** from the beginning of flowering till the creation of tuber.
- **Sugar beet:** in the period from 6 leaves to 15 leaves, not later.
- **Grapevine:** for young growing sprouts.
- **Hop:** from the height of plant of 4 m till the beginning of flowering.
- **Fruit woody plants – citrus, litchi, aktinidia, small fruit, stone-fruit, corestock:** for young growing sprouts.

**OTHER CROPS:**

**Apply only on plants with sufficient moisture! (greenhouses and fields with irrigation; naturally damp areas).**

- **Cereals – wheat, barley, rice, maize, rye, oat, triticale:** recommended application in the period of stem elongation.
- **Soya:** recommended application at the beginning of the main period of growth.
- **Sunflower:** recommended application from the height of 20 cm till the beginning of creation of buds.
- **Maize:** recommended application during the period of main growth. (around 10<sup>th</sup> leaf)
- **Cauliflower, kohlrabi, all kinds of lettuces and cabbages, other kinds of vegetable:** from the emergence till the harvest.
- **Melons, cucumbers, pumpkins, peppers, tomatoes:** all along the growing season.

**SPECIAL CROPS – APPLICATION:**

- **Deciduous and coniferous woody plants:** recommended application in ornamental and forest tree nurseries all through the growing season and with irrigation.

Further information and methodologies to the product are available on [www.energen.info](http://www.energen.info).

### RECOMMENDED DOSAGE:

**Basic dose 1 litre/ha** in 100 to 300 litres of water or N fertilizer. **For cereals, we recommend the dose of 0.5 litre/ha** in 100 to 300 litres of water or N fertilizer. **For vegetation in good condition and with good reserve of nutrients, half of the dose recommended applies.** The total range of recommended dosing is 0.25 to 1 litre/ha. We only recommend max. dose of 2 litres per ha for extremely weak plants. **Risks** – plants may only be damaged if the dose 5 times higher than the maximum recommended one is applied.

### GREENHOUSE CROPS:

For inner greenhouse crops, we recommend the dose between 0.15 and 0.3 ml per m<sup>2</sup> at the dilution of 0.05 to 0.1 % (it is advisable to test higher concentrations individually). We prefer lower repeated doses for greenhouse crops.



### NOTICE CONCERNING PLANT NUTRITION:

The application of ENERGEN preparations shall always be accompanied by quality fertilization. The stimulation creates conditions for better yield. If the stimulation is not accompanied by good level of nutrition, the stimulation effect may not be fully utilised for the increase of yield. We assure higher return of financial means by the combination of stimulation and nutrition. The nutrition shall ensure basic level of yield, and the stimulation shall even increase this yield level. The Energen preparations with adaptogenic (anti-stress) effect shall then sustain the yield level even under unfavourable conditions (drought, coldness, salinity).

### MIXING:

The combination with liquid N fertilizers is possible. In combination with other liquid fertilizers we recommend to carry out the test of precipitation. When mixed with other preparations, full volume of water must always be used! We recommend testing the combination with pesticides (after the consultation with their producers) in small volume (e.g. in 0.1 litre). As a preventive measure, we recommend (in combination with other preparations and fertilizers) to apply the preparation within 15 hours after mixing. Do not mix with fertilizers with low pH. Substantial decrease of pH of the application solution (acidification under pH 5) would lead to gradual but reversible precipitating of humic substances. Do not mix with herbicides as the recovery of weeds may result! The aids for dosing of the preparation shall only be used for this purpose!!!. The term of protection depends on the pesticide the preparation is added to. The producer shall not be liable for any loss incurred by inappropriate use of the preparation! The product is not harmful to bees. **The instructions concerning the safety and health at work, storage, transport as well as other information are provided on the label. Full wording of the label may be found on [www.energen.info](http://www.energen.info).**

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