

## PRODUCT DATA SHEET

### ENERGEN FRUKTUS

**PREPARATION:**

**PRODUCER:**

EGT system spol. s r.o.

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

**CONTENT:**

**Humic substances and their salts** 13 %

**Mixture of oligopeptides and amino acids** 10 %

pH 6.5 to 8.5.

**ENERGEN FRUKTUS** further contains extracts from seaweed – adaptogens, wetting agent with adhesive effect and other substances increasing the penetration of active substances and nutrients through membranes, substances promoting the formation of yield. 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:**

• **ADAPTOGENIC EFFECT – MOST EFFECTIVE INCREASE OF RESISTANCE TO DROUGHT, COLDNESS AND SALTING.**

- **Drought** – helps retain by 15 to 30 % more water in plants for 4 to 6 weeks.
- **Coldness** – allows the plants treated function in temperatures by 2 to 3 degrees Celsius lower if compared to untreated control plants.
- **Salting** – allows plants to grow better in salinated substrate.
- **Increase of tolerance to mushroom diseases.**
- **PENETRATION EFFECT – allowed by special complex of substances**, which work as wetting agent and adhesive, and, at the same time, increase the penetration of all active substances and nutrients through the leaf epidermis and membranes of all cells.
- **Promotes intensive creation of reserve and active substances – sugars, essences and bitter substances... (Increase of the content of sugars and extract in grapevine. Increase of the content of bitter alpha acids in hop.)**
- **Increase of 1000-seed weight and the size of fruits even in the spell of drought.**
- **Stimulation of growth** – promotion of plant growth, increase of photosynthesis. Harmonizes and activates energetic metabolism of plants.

**MAIN PURPOSE:**

- **For dry areas with little or insufficient rainfall. For all crops and during the entire period of main growth till the period of flowering.**
- For vegetation of winter crops (cereals, rape) in pre-bloom, full bloom, and post-bloom periods.
- For spring crops in pre-bloom, full bloom and post-bloom periods.
- For young growing fruits and infructescences.
- Where we need to increase and prolong the effect of concurrently applied pesticides and nutrients.

**ADDITIONAL AND SPECIAL PURPOSE:**

- **Deciduous and coniferous woody plants:** only in areas with substantial spells of drought in ornamental and forest tree nurseries along the growing season.
- **Lawns:** only in areas with substantial spells of drought along the growing season.



**CROPS:**

- **Grapevine:** recommended application to berries starting with the size of pea until 6 weeks prior to the harvest.
- **Cereals:** (wheat, barley, rice...) recommended application from the end of stem elongation until the beginning of milk ripeness.
- **Rape and mustard:** recommended application in pre-bloom, full bloom and post-bloom periods in areas with little rainfall.
- **Soya:** recommended application in pre-bloom and post-bloom periods to young hulls.
- **Fruit woody plants (core-stock, stone-fruit, citruses...)** on young growing fruits.
- **Hop:** end of July until the beginning of August. For the increase in the content of alpha acids. (*The product does not contain nitrophenolates.*)
- **Poppy:** recommended application in the period of creation of buds.

- **Sugar beet:** only in areas with substantial spells of drought.
- **Onion:** only in areas with substantial spells of drought.
- **Vegetable:** only in areas with substantial spells of drought repeatedly in the time of main growth.
- **Pea, beans:** only in areas with substantial spells of drought in pre-bloom and post-bloom periods.
- **Sugar beet** - later application in drier areas.

#### 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 when 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:

In combination with 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 would lead to gradual but reversible precipitating of humic substances. 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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