

ENERGEN FOLIAR - Plant Aid Preparative

Producer: EGT system spol. s r.o. (Ltd) Opava, Kateřinky, 1669/4B U Cukrovaru Street, Postal Code 747 05

Registration ruling number: 3139

| Chemical and physical characteristics: | Value: |
|--|---------------|
| Moisture in % max. | 75 |
| Burnable substances in dry mass in % min. | 70 |
| Humic substances and their salts in % min. | 12 |
| Mixture of oligopeptides and amino acids in % min. | 5 |
| pH value | 6,5 to 8,5 |

The hazardous elements content meets the limits set down by the law (mg/kg): cadmium 1, 0; led 10; mercury 1, 0; arsenic 10; chromium 50

ENERGEN FOLIAR further comprises mixture of oligopeptides and aminoacids, a surfactant with adhesive effect and other substances improving the creation of chlorophyll, foliage growth and regeneration. It does not replace the basic fertilisation.

Scope and method of application

ENERGEN FOLIAR is intended for targeted application on potatoes, grapevine, orchards, hops, sunflower, vegetables, maize and other products. ENERGEN FOLIAR is intended for application on sugar-beet in the period from formation of six true leaves until the end of June. We recommend **2 independent 1,5l/ha applications of ENERGEN FOLIAR on the C and NC types** there, where the goal is to create yield with high sugar content, or **1 application of 1,5l/ha of ENERGEN FOLIAR after preceding application of 1 l/ha ENERGEN Activator on the NK and NC** sugar-beet types there, where the aim is creation of yield with high root yield. Generally it applies that with the combined NC types the selection of one of the two methodologies is left to the grower, so that the type of land and other conditions known to him are taken into account. When applied at the beginning of the potato tubers growth the yield and the content of starch increase considerably. On maize we recommend application from the growth height of 45 cm, and on sunflower from the growth height from above 20 cm. **ENERGEN FOLIAR** increases concentration of chlorophyll, supports creation of new foliage, improves performance of the photosynthesis and increases the foliage surface area. It increases the yield and the content of the reserve substances, and reduces aging and dying back of older leaves. It has a beneficial effect on the health condition of the plants. Details of this scope of application are available in the actual methodologies for all plants. The product is harmless to bees. More information on the product and methodology is available on www.energen.info and in the following table.

Conditions of application on special cultures:

| Hops –3 sprays - dose 1 – 3 l/ha | Grapevine – 2 sprays – 1 - 3l/ha |
|--|---|
| 1. from the first up to the third week of June (6m high growth) | Shortly before bloom |
| 2. spray after 21 to 30 days after the first spray, up to the hops butonisation stage | Up to 10 days after bloom |
| 3. end July – beginning of August | |

Instructions for use – recommended dosing: generally 1 litre/ ha in minimally 100 litres of water or N fertiliser. On properly established potato growth a half dose will suffice. As the maximum dose we recommend 3 litres per ha but applicable only in case of badly devastated vegetation or regeneration of damaged growth. For more detailed directions for use and to read methodologies applicable to all cultivated plants visit our website www.energen.info. When combining with other liquid fertilisers we recommend that a coagulation test is carried out first. When combining with pesticides, and after consulting its respective manufacturer, we recommend that a small volume test is carried out (i.e. using 0, 1 l.). When admixing with other preparative it is absolutely essential that the mixed preparative is added under continuous stirring into a sprayer which is at least 70 % filled with water! We also recommend as a preventative measure (when combining with other preparative and fertilisers) to proceed with the application within 15 hours of mixing. Rinse the container well with water and pour the preparative leftover into the sprayer. Use the measuring devices only for the purpose they are provided for! The product protection period is depended on the type of pesticide to which it is being added to. The manufacturer is not responsible for damages caused by incorrect use of the preparative!

Instructions for safety and health protection at work:

Xi



Irritant

Xi_i– Irritant. **R-phrases: R36/38** Irritating to eyes and skin.

S-phrases: **S2** Keep out of reach of children. **S26** In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. **S28** After contact with skin, wash immediately with plenty of water.
S37/39 Wear suitable gloves and eye/face protection.

First aid instructions:

General instructions: In the event of health effects or in case of doubt notify medical assistance. If unconscious, turn him/her to a stabilised position onto his/her side, and never administer anything orally.

When inhaled: Remove the casualty to fresh air. In case of breathing difficulties apply oxygen. In the absence of breathing administer artificial respiration. Call medical assistance.

When in contact with skin: Remove contaminated clothing and footwear; wash exposed areas of the body with plenty of water. Footwear to be well cleaned and the clothing washed before used again. Call medical assistance.

If case of affected eyes: Immediately irrigate the eye(s) thoroughly with a stream of water for at least 15 minutes with open eyelids. Remove contact lenses. In case of irritation consult medical assistance.

When ingested: Administer 0,5 l water; do not induce vomiting, unless it is explicitly recommended by a medical doctor. Call medical assistance in the presence of unwellness symptoms.

Storage: Store in separate and for the purpose approved premises, protected against atmospheric influences. Keep the containers in cold, well ventilated place at the temperatures ranging between 5-25 °C. Keep the containers tightly closed and sealed until usage. In terms of the enactment no. 157/1999 Coll. the preparative is not classified as hazardous.

Transport: The preparative is to be transported by transportation means which are enclosed. The public transporter rules apply for transportation. Protect against severe frost during transportation.

Information on waste and product packaging liquidation: Rinse the product's empty containers to achieve at least the recommended dilution ratio applicable to the preparative. Such obtained dilution must be applied only on the ground under treatment. The empty containers can be returned to the manufacturer for reuse or put into a separate waste outlet, or handed over to persons authorised to liquidate dangerous waste. Undiluted and unusable residue of the product (regardless in whichever manner it was made unusable), as well as the product covers contaminated with the unusable preparative **fall under hazardous waste**; the preparative must not get into canalisation, water ways or potable water supply sources, and must be returned at places so designated by the state administration organs.

The preparative **guarantee period** is 24 months.

The product is supplied packed.

Volume:

Date of manufacture is marked on the product.