*Label*

**ENERGEN**© **GERMIN**

**EC FERTILISER Marketing authorisation number:**

Liquid mixture of trace nutrients

**Applicant:** EGT system spol. s r.o. Na Kopci 38, 747 81 Otice

**Producer:** AV EKO-COLOR, s.r.o. Peškova 527, 40031 Ústí nad Labem, výroba – Jižní 210, 561 46334 Hrádek nad Nisou

**Chemical and physical properties:**

|  |  |
| --- | --- |
| **Quality characteristic** | **Value**  |
| **Iron** soluble in water as **Fe in %** min. | **1** |
| **Zinc** soluble in water as **Zn in %** min.  | **1.0** |
| **Manganese** soluble in water as **Mn in %** min.  | **0.6** |
| **pH value**  | **6.5 – 8.5**  |

# The fertiliser also contains N, P, K, Mg, Cu. Mo, B in the amount required for the initiation of quick start germination. Trace elements Fe, Cu, Zn, Mn are bonded in the form of EDTA. Also contains: Proven and functional combination of auxins, auxin precursors and seaweed extract (Ascophytum nodosum) synchronising the process of quick breakdown of reserve substances. The fertiliser is free of chlorine.

**Scope and method of application:**

**ENERGEN**© **GERMIN** is a liquid fertiliser of a special composition designed for foliar application to young germinating plants and “under heel” application during sowing. Also, the fertiliser is intended to be used as an addition to liquid mordants. The fertiliser supplies plants in the germinating process with nutrients required for initial quick development. It also contains substances inducing quick formation of large root volume. Other biologically active substances positively affect the intake of nitrogen and directly affect the steadiness and energy of germination. The fertiliser improves the exploitation of moisture and supplied nutrition. The product is relatively harmless to bees. Further information and product methodologies are available at [www.energen.info](http://www.energen.info).

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| **RECOMMENDED DOSING** |
| **CROPS** | **Approximate volume of water in l/ton of seed** | **ENERGEN**© **GERMIN in l/ton of seed** | **ENERGEN© GERMIN in l/ton of seed** | **ENERGEN© GERMIN in l/ha when applied “under heel”** |
| **Light to medium soils** | **Heavier to heavy or waterlogged soils** |
| **winter wheat, winter barley, triticale** | **8 litres**  | **0.5 litre** of GERMIN **+ 0.5 litre** of ENERGEN FULHUM | **0.5 litre** of GERMIN **+ 1 litre** of ENERGEN FULHUM | **0.5 litre/ha** |
| **spring wheat** | **8 litres**  | **0.5 litre** of GERMIN + **0.5 litre** of ENERGEN FULHUM | **0.5 litre** ofGERMIN **+ 1 litre** of ENERGEN FULHUM | **0.7 litre/ha** |
| **spring barley** | **8 litres**  | **0.5 litre** of GERMIN **+ 0.5 litre** of ENERGEN FULHUM | **0.5 litre** of GERMIN **+ 1 litre** of ENERGEN FULHUM | **0.7 litre/ha** |
| **oats** | **10 litres** | **0.75 litre** of GERMIN **+ 0.5 litre** of ENERGEN FULHUM | **0.75 litre** of GERMIN **+ 1 litre** of ENERGEN FULHUM | **0.5 litre/ha** |
| **winter rape**  | **10 litres** | **5 litres** of GERMIN **+ 5 litres** of ENERGEN FULHUM | **5 litres** of GERMIN **+ 10 litres** of ENERGEN FULHUM | **0.7 to 1 l/ha** |
| **poppy** | **20 litres**  | **15 litres** of GERMIN **+ 15 litres** of ENERGEN FULHUM | **15 litres** of GERMIN **+ 20 litres** of ENERGEN FULHUM | **0.5 to 0.8 l/ha** |
| **maize** | **9 litres**  | **0.75 litre** of GERMIN **+ 0.5 litre** of ENERGEN FULHUM | **0.75 litre** of GERMIN **+ 1 litre** of ENERGEN FULHUM | **0.7 to 1 l/ha** |
| **sunflower** | **9 litres**  | **0.75 litre** of GERMIN **+ 0.5 litre** of ENERGEN FULHUM | **0.75 litre** of GERMIN **+ 1 litre** of ENERGEN FULHUM | **0.7 to 1 l/ha** |
| **Due to proven optimum concentration of growth substances, it is not recommendable to combine the agent with other stimulation agents when mordanting. This applies in particular to agents with a content of substances with auxin-like effect. Increasing the stimulating effect does not result in a greater effect; the effect can be inhibited with high doses.**  |

**Instructions for use:**

**ENERGEN**© **GERMIN** agentis to be applied to seed together with mordant in approved continuous and charging seed dressers, ensuring accurate dosing and even covering of the seed surface with the mordant liquid. It is diluted in water as stated in the table. When mixing and applying, the instructions to the mordant selected shall be followed. Before use, it is recommended to stir **ENERGEN**© **GERMIN** fertiliserproperly, and rinse the container with water. For the sake of prevention, it is recommended (when combining the agent with mordant) to proceed with the application within 24 hours after the mixing. **The agent does not substitute mordants.** The producer shall not be liable for any damage caused by improper use of the agent!

When combining the agent with other agents, it is always absolutely essential to admix the preparations while stirring; at least 70% of the mixing tank must be filled with water. Mordants shall first be combined (after consulting their producers) in a small volume (e.g. in 0.1 litre). Rinse the container properly with water, and pour the agent remnants into a sprayer. Agent dose measuring aids shall only be used for this purpose!!! The protection period depends on the pesticide the agent is admixed to. Do not mix with herbicides. The producer shall not be liable for any damage caused by improper use of the agent!

**Instructions for health and safety at work**

 P102 Keep out of children’s reach.

 P270 Do not eat and smoke when using this product.

 P262 Avoid contact with eyes, skin or clothes.

 P305+P351+P338 UPON EYE CONTACT: rinse carefully with water for several minutes. Remove contact lens (if any), if the lens can be removed easily. Continue rinsing.

 P337+P313 For ongoing eye irritation: Seek out medical help.

 P280 Make use of protective gloves/protective clothes/goggles/face mask.

P301+P330+P331+P315 UPON INGESTION: Rinse the mouth. DO NOT INDUCE vomiting. Immediately seek medical help

 P303+P352 UPON SKIN CONTACT: Wash with a large amount of water and soap.

**In more serious cases, upon ingestion and eye contact, always seek medical help.**

**Storage:** Store in separate rooms, approved for such purpose, protected from weather effects. Containers shall be kept in cold well-ventilated places at the temperatures ranging between 5 and 20°C. Containers shall be tightly closed and sealed until used. The agent is not classified as hazardous as per Act no. 157/1999 Coll.

**Transport:** the product shall be transported by covered means of transport. The transport is subject to common carrier regulations. During transport, the products shall be protected from heavy frost.

**Information concerning the disposal of waste and product packaging:** Empty product packages shall be rinsed with sufficient amount of water so that the minimum recommended solution for application is reached. The solution shall be applied solely in the area treated. Empty packages may be returned to the producer for reuse, or dumped in separated waste, or may be handed over to persons authorized for the disposal of hazardous waste. The remainders of further unusable product (even deteriorated in any way) that cannot be used as the product, as well as packages contaminated by unusable, impaired product shall be disposed of as hazardous waste, shall not be discharged into sewage system, water courses and sources of drinking water, and shall be submitted at places reserved for this purpose by state authorities.

**Guarantee period of the agent is 24 months.**

**The product is delivered packed. Volume: Date of production**