

# HESI PowerZyme - soil amendment

**HESI Power Zyme** is a cellulase-extract from the trichoderma fungus (a so-called ascomycete, or also ascomycota), which decomposes the cellulose of dead plants into recoverable dextrose. This dextrose serves as nutrition for roots and for soil flora.



**HESI Power Zyme** provides an oxygen-rich root environment by avoiding decay and improves the biological balance.

**HESI Power Zyme** interacts in the soil and root flora between the plants, the substrate and the microorganisms found there.

**HESI Power Zyme** is suitable for all types of cultures.

**Contents:** >20% cellulase-extract from *Trichoderma viride*

**Dosage:** all plants / all culture types - 2 ml / Litre nutrient solution use 1-2 times weekly.

"Don't spray!"

**Package sizes:** 0,5 L / 1 L / 5 L / 10 L

Ensures a clean and oxygen-rich plant medium. Strengthens the plants and the roots. Improves the microflora and increases the resistance.

The roots of a plant constantly renew their outer hull. Old cells are rejected and replaced by new ones. The faster a root grows, the more old root material ends up in the plant medium. Old plant parts mainly consist of cellulose. Only special micro-organisms can demolish cellulose. They transfer cellulose into plant-active grape sugar. The roots directly use the sugar for food. When a part of the plant (like a leaf or a root) is no longer useful to the plant, it takes all the transportable content like minerals out (that's why they turn yellow) and the cellulose is left behind. The plant then gets rid of the dead leaf or root.

A plant renews its parts constantly. This is why indigestible celluloses remain left in the medium, which is being contaminated increasingly. In nature there are special micro-organisms, especially: fungi, which digest the plant fibres with the help of enzymes. **HESI Power Zyme** is an extract made out of these specialized micro-organisms, and contains these enzymes in its pure form. The big advantage of pure enzymes is that no quaint micro-organisms can disturb the healthy microflora. Frequent use of **HESI Power Zyme** eliminates decaying sources.

