



Stimulating Beneficial Fungi with Grower's Source Co-Enzymes

Grower's Source's proprietary co-enzymes stimulate the beneficial bacteria, fungi and protozoa in the soil, and they protect the plant from roots diseases around the rhizosphere of the plant root. The co-enzymes stimulate the good bacteria, fungi and protozoa that eat the lower life chain of low oxygen surviving bacteria, fungi and protozoa in the soil that causes disease on the plant.

One of the best known beneficial is the Trichoderma fungi that are soilborne, green-spored ascomycetes that can be found in soils all over the world. Trichoderma grows on the surface of plant roots, where it provides disease control and can enhance root growth for more nutrient uptake. Its spores survive in the soil to help provide continual disease protection. The food it lives on is mostly secreted from the root surface.

The Grower's Source proprietary co-enzymes stimulate the fungi to multiply at a fast rate. Only a small amount needs to be applied to the soil, as it will grow to continually cover and protect the root from soil-borne diseases. Because it continues to grow it will protect all the roots for the whole growing season.

When the Grower's Source products that are formulated with the proprietary co-enzymes are applied to the soil the Trichoderma fungi that is stimulated will grow around the plant roots, it can then improve the health of the soil and the plant.

Trichoderma Fungi will help control major root rot fungi: Pythium, Rhizoctonia, Fusarium and Take-all Wilt that we are seeing across the USA in Peanuts and Cotton. We have also have seen good control of Aphanomyces in Sugar Beets.

Once the Trichoderma Fungi is stimulated it is said to secrete an enzyme that dissolves the cell wall of other disease-causing fungi. The enzyme can then get inside the bad fungi and consume them. It helps it to protect crop roots from root rot fungi in the soil.