

# PHYLAZONIT<sup>®</sup>

## stubble decomposer



### Soil structure improvement and intensive soil life

With Phylazonit Stubble Decomposer, we accelerate and control the decomposition of dead plant residues into nutrients, so that the vast majority of the nutrients can be available to the plant within a year. In this way we can stimulate the microbial life of the soil. And active soil life has a positive effect on soil structure and tilth.

#### Benefits

- Decomposing plant residues have a significant nutrient content - up to 30-50% of the next crop's nitrogen, phosphorus and potassium requirements can be provided and significant savings can be made on fertilizer costs.
- The organic matter in decomposing stubble supports humus formation - regular decomposition results in significantly improved soil structure, tilth and reduced traction requirements (20-30% less fuel consumption).
- With improved soil structure, soil nutrient, heat and water management are also greatly improved - a huge advantage in extreme weather conditions.
- Decomposition will significantly reduce the habitat for pathogens - the quality of germination and initial development will improve, and the number and cost of plant protection treatments will decrease.
- pH level of the soil will change towards neutral

#### Composition

Bacteria strains (*Bacillus circulans*, *Azotobacter chroococcum*, *Pseudomonas putida*, *Bacillus megaterium*) in ration optimized to stubble decomposition, nutrient solution.

**Germ number:**  $4 \times 10^8$  CFU /cm<sup>3</sup>

### Application

**Arable plant cultures:** 10-20 l/ha

**Horticultural plant cultures:** 10-20 l/ha

The preparation can be used in all arable and horticultural plant cultures in an amount of 10-20 l/ha (150-200 l/ha quantity of liquid) applied directly on the stubble or the stem residues by means of a special device mounted on a tractor (eg. Phylazonit Phyller) or a sprayer and turned immediately into the soil.

The treatment should be carried out during the field work when a major part of stubble residues is being turned into the soil and when conditions allow to carry out ground works in 10-25 cm depth. Since the strains found in the preparation can endure dry soil well, do not time the application to the weather but to the condition of soil! The efficiency of stubble decomposition can be increased significantly if you chop the plant residues to uniformly small size previously.

### Packaging

10 liters can  
20 liters can  
1000 liters IBC tank

