

Tetracil®

Four *Bacillus* species that decompose plant residues



Living spores of beneficial bacteria

Accelerates the aerobic decomposition of plant residues in the soil

Thorough mulching is the key to success for the next agricultural cycle. **Tetracil®** provides for a sustainable and gentle use of the soil. The product accelerates the conversion of plant residues to humus, which decreases the proliferation of unwanted organisms. The microorganisms create ideal growing conditions in the soil for the following crop.

Living spores of the beneficial bacteria *Bacillus amyloliquefaciens*, *Bacillus licheniformis*, *Bacillus pumilus* and *Bacillus subtilis* colonize crop residues. They produce digestive enzymes that accelerate the conversion of plant residues, such as amylases and cellulases that break down starch and cellulose. The decomposition releases valuable plant nutrients and creates fertile humus.

Benefits:	Increases	Reduces
	Decomposition of plant residues • Nutrient availability • Nutrient release • Ecological balance of the soil	Loss of nutrients • Loss of nitrogen • Fertilizer use
Compatibility:	Tetracil® is compatible with fungicides. However, avoid the use of biocides like hydrogen peroxide and chlorine during application. In general, Tetracil® is compatible with fertilizers. Copper: According to the present state of knowledge Tetracil® is compatible with copper concentrations commonly used in the root zone.	
Application:	<p>Tetracil® increases the aerobic decomposition of crop residues in the soil.</p> <p>Application: a minimum of 250g/ha</p> <p>The product is a wettable powder. Premix 250g of product with a small amount of water and add to the tank to the amount of water, slurry or dung that will be applied on 1ha. Spray the mix onto the plant residues prior to their incorporation into the soil. Make sure a nitrogen source is available for the microorganisms. If necessary, add nitrogen fertilizer at a rate of 10kg/ha. If possible, crush the crop residues prior to the application. Work the treated plant residues into the soil, preferably with a chisel plough, skim plough or disk harrow.</p> <p>The microorganisms contained in Tetracil® add value to high-quality compost, help control odours of dung and they regenerate contaminated soil.</p> <p>For more information on these multiple uses and the timing and dosage of applications, please contact our technical assistance.</p>	
Storage:	Store in a cool, dry place. Avoid high temperatures and direct sunlight. Product shelf life is up to 36 months.	
Ingredients:	Four bacterial species of the genus <i>Bacillus</i> : <i>B. amyloliquefaciens</i> , <i>B. licheniformis</i> , <i>B. pumilus</i> , <i>B. subtilis</i>	10,000,000,000 CFU/g (1x10 ¹⁰ CFU/g) CFU = Colony Forming Units

listed by FiBL as an input for organic agriculture in Germany

