Transforming Manure into a Valuable Resource

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supporting agriculture

SOBAC

Bacteriolit

Enhance Soil Fertility, Reduce Inputs, and Promote Sustainable Farming

www.agrassure.com

What is Bacteriolit?

Bacteriolit is a 100% natural composting additive developed by Marcel Mézy Technologies. It activates the biological transformation of manure, slurry, digestates, and green waste into humus, improving their efficiency and nutrient content. Recognised by the French Administration as a Complex of Micro-Organisms (CMO), Bacteriolit enables composting without mechanical turning, producing a high-quality organic amendment compliant with NFU 44-051 standards.

Key Benefits:

Enhanced Manure Efficiency:
Speeds up the breakdown of organic matter into stable humus.

Improved Soil Fertility:
Increases humus content, enhancing soil structure and nutrient retention.

Optimised Nitrogen Management:
Reorganises nitrogen forms for better plant availability and reduced losses.

Reduced Odours and Ammonia Emissions:
Improves the environment in livestock buildings and during manure spreading.

Compliance with Organic Farming Standards:
Suitable for use in organic farming as per EU regulations.

How does it work?

Bacteriolit introduces a diverse range of beneficial micro-organisms that:

1. **Accelerate Composting:**
   Speeds up the breakdown of organic matter into stable humus.
2. **Stabilise Nutrients:**
   Fixes minerals onto the clay-humic complex, reducing leaching and volatilisation.
3. **Enhance Soil Microbial Activity:**
   Promotes a balanced soil ecosystem, improving plant health and resilience.
4. **Improve Slurry Homogenity:**
   Prevents crust formation and facilitates easier spreading.

Application Guidelines

Dosage:
1 to 2 kg per m^3 of manure or slurry.

Storage:
Keep in a dry, sheltered location to maintain biological activity.

Application Method:
Straw Beddings or Slatted Tanks: Apply in thirds–initial bedding, before cleaning, and weekly or daily as needed.

Slurry Pits: Apply in 2 or 3 stages–beginning, mid-fill, and before emptying.

Automatic Scrapers: Apply weekly or daily in the pathway, on the pile, or in the pit.

Environmental Benefits

Reduced Nutrient Losses:
Minimises leaching and gaseous emissions during storage and after spreading.

Improved Air Quality:
Decreases ammonia emissions, enhancing the environment in livestock facilities.

Odour Reduction:
Lessens unpleasant smells associated with manure handling and application.

Contribution to Climate Goals:
Supports carbon sequestration and aligns with sustainable farming initiatives.

Economic Advantages

1. **Increased Gross Margin:**
Reduces the need for synthetic fertilisers and amendments.

2. **Lower Veterinary Expenses:**
Improved livestock environment leads to healthier animals.

3. **Enhanced Self-Sufficiency:**
Boosts on-farm nutrient cycling and reduces input dependency.

4. **Reduced Water Usage:**
Improved soil structure enhances water retention, leading to water savings.

Testimonials:

William Downes – Dairy Farmer, Tipperary, Ireland
"Since incorporating Bacteriolit into our manure management, we've noticed a significant improvement in soil fertility and crop yields. The reduction in odours and improved slurry consistency have also made manure handling much more manageable."

Sean McDermott - Dairy Farmer, Galway, Ireland
"Using Bacteriolit has transformed our approach to manure management. The composting process is more efficient, and the resulting fertiliser has greatly benefited our pastures."

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Contact Us
01293 613 600
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