



AGRITON
Actiferm

Naturally occurring Effective
Micro-organisms (EM) for enhanced
microbial activity in the soil



Actiferm is a liquid mix of fungi, yeast, lactic acid bacteria, phototropic bacteria and actinomycetes. These microbes were identified and coined by Prof. Higa in 1982 as Effective Microorganisms (EM®).

They are 100% naturally occurring and are carefully chosen for their individual benefits and ability to work together, synergistically. Applying Actiferm to the soil increases the number of positive fermentative microbes, which in turn, suppresses the negative putrefying microbes; by way of competitive exclusion.

These beneficial microbes also ferment organic matter to retain nutrients and make them available within the soil. The microbes also produce bio-active substances, like enzymes, vitamins, antimicrobials and phytonutrients which favours the development of plants and helps prevent diseases.

Benefits

Agro-vital | Actiferm

- **Nitrogen fixing microbes**
- **Carbon sequestration**
- **Ferments Organic Matter**
- **Suppresses harmful microbes**
- **Increased disease resistance**

Actiferm is a carefully selected mix of effective micro-organisms that work synergistically to restore, improve and maintain a healthy balance within the terra-biome. With 80 different microbes there are multiple benefits when applied to the soil.



Agriton, working together for a sustainable future



"We apply Actiferm onto our soil to encourage microbial activity after the winter period. It is particularly effective on fields that haven't had much cover or suffered water-logging"

*Messers Morris,
Organic Beef
Farmers*

Effective Micro-organisms (EM[®])

Yeast: Contribute to essential ecological processes such as the mineralisation of organic material and distribution of carbon and energy through the soil ecosystem.

Fungi: Important as decomposers in the soil food web. They convert hard-to-digest organic material into forms that other organisms can use.

Lactic Acid Bacteria: Speeds up the decomposition of organic matter and releases available nutrients to plants and organisms. Also suppresses harmful microbes.

Phototrophic Bacteria: Critical to nitrogen and carbon cycling within soil as well as soil productivity, water retention and soil stability.

Actinomycetes: Large family of microbes including antibiotics, nitrogen fixing bacteria and decomposers of lignin, chitin and insect exoskeletons.

Application

3-4 applications
of 20l/ha
totalling
60-80l Actiferm
per annum

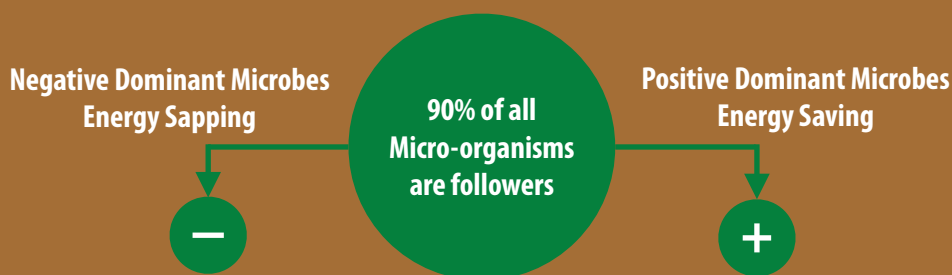
Available in:

2l, 20l, 250l
and 1000l

pH
3.8

Competitive Exclusion:

In Soil Microbiology there are three main types of Microbes. The positive dominant microbes, the negative dominant microbes and a large group of followers. By using Actiferm you increase the number of positive microbes, ensuring their dominance.



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