

# Fermented Compost



## A step by step approach to creating healthy soil

The use of Multikraft Probiotics in agriculture is opening up new opportunities, both for organic businesses and in the conventional agricultural industry across a wide range of applications. Multikraft Probiotics promote the regenerative forces of nature and are particularly beneficial in the anaerobic areas of the soil and the plant – especially in areas where problems with decomposition and pest infestation occur.

Multikraft Probiotic Micro-organisms create an environment that represses pathogenic germs and prevents environmental pollution. With the help of Multikraft Probiotics, it is now possible not only to create more fertile soil and more resistant plants and animals, but also to produce high quality foods that are particularly rich in antioxidants.

## Benefits of Multikraft Compost

Compost is the end product of the fermentation of various biogenic wastes and with the help of **Multikraft Micro-organisms**, our compost matures **anaerobically**, it is not ventilated. **Multikraft Compost** when added to the soil promotes the microbial activity, invigorating the physical, chemical and biological condition of the soil to improve yield and quality of the harvest.

- ③ the health and fertility of the soil is promoted
- ③ the development of the humus (formation of the clay-humus complex) is increased
- ③ biological activity of the soil is revitalised
- ③ the moisture and nutrient retention capacity of the soil is improved
- ③ root growth is stimulated
- ③ the resistance of the plants to disease is increased
- ③ fruit matures more evenly
- ③ plants and/or fruits contain more antioxidants and bioactive substances such as vitamins, trace elements, etc.
- ③ the harvest can be stored for longer

### THIS PROCESS PROVIDES THREE CENTRAL ADVANTAGES:

1. **The use of Multikraft Micro-organisms in the compost eliminates rotting from the compost heap.** The process completely represses unpleasant smells and toxic metabolic by-products, but it produces vitamins and bioactive substances.
2. **Labour-saving:** it is no longer necessary to frequently turn over the heap during composting, as it now ferments anaerobically.
3. **The nutrients, and especially the nitrogen, are retained in the Multikraft Compost** and are not lost as greenhouse gases into the atmosphere. The nitrogen is mainly locked in with organic bonds, i.e. relatively little is mineralised and so more nutrients are retained in the soil.

## Difference between Multikraft Compost & Traditional Compost

MULTIKRAFT COMPOST	REGULAR COMPOST
Fermented	–
Anaerobic	Aerobic
Ready in 6 – 8 weeks	Ready 12 (plus) weeks
Fermentation microbes manage heat	Overheat easily, requires frequent turning and the addition of water
Turning only necessary when additional material is added or when the substances are too dry or too moist.	A large number of the valuable materials are lost in the atmosphere in this way as they are repeatedly turned.
The germination capacity of all seeds is suppressed by fermentation.	High temperature kills seeds but is difficult to control.
Minimal release of odours	Odour problems with some raw materials and during turning.
No loss of nutrients by constant oxygenation.	The organic substances oxidise due to high temperature.

