



# Fermentstart

**Fermentstart** - is a uniquely modified complex of beneficial special symbiotic microorganisms (lacto-bacteria, bifidobacteria, mesophilic bacteria, yeast) intended for accelerated fermentation of various organic wastes and fast preparation of high-quality organic compost / fertilizer for all types of soil. The drug is also modified to destroy unpleasant odors inside livestock farms and drain holes.

## CHARACTERISTICS (TYPICAL FIGURES)

Parameter name	Unit	Method	Indicators
pH	pH unit		6.0 ±0.5
QMAFAnM 35°C	CFU in 1ml	Plate Count Agar	1x10 <sup>6</sup> - 1x10 <sup>9</sup>
Lactic acid bacteria 30°C,37°C		MRS and M17 Agar	1x10 <sup>6</sup> - 3x10 <sup>9</sup>
Yeast 25°C		DRBC Agar	1x10 <sup>2</sup> - 5x10 <sup>7</sup>
Bifidobacteria 37°C		MRS Agar	1x10 <sup>6</sup> - 1x10 <sup>9</sup>

**Instructions for use: Compost:** Mix 100 gr of the product with 30 L. of non-chlorinated warm (38 C<sup>0</sup>) water. Before spraying layers add straw or any dry silages at the rate of 200-250 kg per 1 ton to each layer of waste. Spraying the organics (organic waste, manure, birds excrement, sawage sludge) with resultant solution layer by layer at the rate of 31 liters of solution per 1 ton to achieve humidity in the hear of 60-65%. If the humidity stays under 60-65%, then add non-chlorinated water mixing a heap until heap humidity reaches 60-65%. To prevent access of air the heap is to be covered with plastic film. Every day two times check the temperature of the hear at a depth of 40-60 centimeters. You need to wait for the temperature to rise 60-70 C<sup>0</sup>. After the temperature reaches the specified level, need to wait 2 days. Total waiting time can take a maximum 10 days. After that the film is removed from the heap is to provide air for bacteria. Every 4th days the heap is stir up along with measuring the temperature. Upon reaching ambient temperature, the compost is ready for application to the soil. Depending on weather conditions, the compost may be ready for 30-60 days. **Odor removing:** Mix 100 gr of the product with 30 L. of non-chlorinated warm (38 C<sup>0</sup>) water, spraying of the surface of source of the smell and mix. After 7-10 days smell is going on. To keep the place odorless repeat procedure every 21 days. **Drain pits:** Mix 100 gr of the product with 30 L. of nonchlorinated warm (38 C<sup>0</sup>) water and pour into the pit. For every 1 cub/m. of volume use 100 gr of the product with 30L of water.

**CAUTION: We do not recommend starting the process if the air temperatures below 10 C<sup>0</sup>.**

When spraying, do not exceed a pressure of 3.4 atmospheres (50 psi). Finish using the solution within 6 hr's after mixing with water. Wear a medical mask and goggles when using. Do not freeze the drug.

**FERMENTSTART** has a natural sediment. **Shake before use.**

**Ingredients:** a complex of special beneficial symbiotic microorganisms, sugar syrup, water.

**Storage:** 12 months store in a dark place at a temperature of + 5 - + 15 C.

## APPROVALS AND CERTIFICATES:

- BIOCONTROL CERTIFICATE
- ÖKO GARANTİ CERTIFICATE
- IAS ACCREDITED lab.

**Packaging:** 1L. of plastic bottle,  
10L. of polyethylene can,  
20L. of polyethylene can.