

Bio waste composting using EM technology

We recommend using 1-2 liters of Eco product EM Plus (or EM Natural Aktiv) on each cubic meter of organic waste. It dilutes with (non-chlorinated) water to 1:5 to 1:100 depending on the humidity of the compostable material.

Any excess water does not disturb the process!

If a new compost pile is formed, it would be best if the organic waste is stacked layered (30-50 cm) and each new layer is sprayed with a solution of EM and water, but in the way that the entire area is covered.

If a pile for composting is already formed, the entire surface should be thoroughly soaked with the solution and, if possible, a hole should be made in the middle of the pile into which a solution of EM and water should also be poured, so that the composting process would start from the inside as well.

With this method compost is produced much faster (in 2 - 3 months); frequent turning of the pile is not required; all pathogens (including mycotoxins) are eliminated; calcination is prevented; high content of organic matter...

When it comes to temperature, it only needs to be controlled during the high summer heat. If the compost pile reaches a temperature of about 50-60 degrees Celsius (notable evaporation) it should be cooled - by adding water or shaking it, so it doesn't lose nitrogen, and if necessary, maintain the temperature and humidity for the next three weeks (the temperature during that period drops from 60 to 40 degrees).

After that, the compost goes into the state of "ripening" (from the 40th to the 90th day), after which it becomes ready for use ie. when its temperature is around 15-20 degrees Celsius.

Note: to speed up the process, after layering and spraying, the piled-up compost can be covered with foil or tarpaulin, which establishes the process of anaerobic fermentation.