Making Compost with EM.1 ENVIRON

Lorem ipThis is a sandwich method where biomass is added layer by layer to make a heap on the ground. Each layer is adequately sprayed with diluted AEM

The detailed method is as follows:

Clean the site where the heap is to be made (10 X 5 X 4.5feet). Ensure there is no stagnant water. Avoid making compost on any concrete flooring or pits.

It is best to use 4 liters of AEM per heap of biodegradable waste. AEM may be diluted with water, to get correct moisture content. Higher quantity of AEM will never cause any harm.

Use molasses or Jaggery syrup quantity depending upon the biomass to fasten the process of decomposition.

EM Research Organisaton, Japan

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EM.1 Environ Applications:

1. Animal waste from poultry, cattle, piggeries ,etc.
2. Garbage dumps

- It works with or without light or oxygen
- It works in a wide range of tempera-tures, sunlight & pH values
- No special storage conditions are required
- Maple EM.1 Environ shelf life is 1 year

MAPLE EM.1 ENVIRON

Solid Waste Treatment

The Need:

Treating the variety and massive volume of waste produced by societies and human activities has become an increasingly critical issue for mankind and the global environment. In particular, currently there is no conclusive formula being used to deal with odors and production costs in garbage treatment plants (incinerators, final landfill sites, or landfills), and organic recycling composting facilites that use garbage and sewage.

The Answer:

Distinguished Professor of Horticulture, Prof Teruo Higa, developed EM.1 (effective micro-organism) at the university of the Ryukyus, Okinawa, japan in the early 1980's.Em.1 stands for 'Effective Microorganisms'.It is a consortium of different strains of beneficial and effective microorganisms. These organisms are collected from the natural environment and not imported, exotic or genetically engineered.

The main microbes are Lactobacillus, Photosynthetic bacteria and Yeast.

EM.1 Technology is the most powerful tool to carry out effective Environmental Management and has become the natural choice for carrying out waste treatment.

MAPLE EM.1 ENVIRON Benefits:

- The volume of gases discharged from solid waste like CO,NH2, SO2, H2S AND CH4 decreases to a large extent in the presence of Maple EM Environ.
- Foul Odor is substantially removed.
- Contaminated water from garbage is cleaned.
- Suspended dust (TSP) reduces sharply.
- The larva of flies and mosquitoes is minimized.
- Convert waste into safe disposable waste.
- The cost of Maple EM.1 Environ treatment is almost negligible, compared to the cost of treating garbage with time and insecticides.
- Maple EM.1 Environ reduces the fermentation period drastically.
- The volume of solid waste is reduced quickly.
- The compost processed from fermented garbage is supplemented with useful microorganism, which make the compost immediately suitable for agricultural use.

Removal of foul odour

Maple EM.1 Environ removes odour emitted from any source very swiftly and effectively.

It does in four separate ways:

Odour substances are of weak, alkaline nature and are primarily represented by ammonia. This is neutralized by organic acids in Maple EM.1 Environ.

The enzyme and antioxidants reduces odour in a synergistic way, a sort of buffer effect.

The beneficial Maple EM.1 Environ react with odour substances instantly. changing them into non-odour substances and reducing them quickly.

Putrefactive types of microorganisms emit foul odour. When applied to local environment, Maple EM.1 Environ starts to dominate if with its fermentative type of microorganism. This stops the process of putrefaction and moves towards a fermentation process.

Through the use of EM.1 Environ, odors are being eliminated inside and outside of many facilites, which improves the quality of the working environment, reduces the cost of using deodorizers, disinfectants and pesticides, and reduces the amount of time needed for compost production.