

COMPSTART

A MICROBIAL COMPOSTING AID

GENERAL INFORMATION:

Composting is the controlled natural breakdown of organic refuse into useable humus which, when applied to a field in quantity will raise organic matter content, increase moisture holding capacity, raise the cation exchange capacity, and provide a comfortable home for the soil bacteria and fungi whose job it is to see that minerals in the ground can be taken up by roots.

COMPSTART assists natural composting by initiating and expediting the process, thus producing a superior, stable compost in time to use it.

The bacteria in COMPSTART are a research-selected mixture of "mesophiles" that metabolize and grow at medium temperatures (77-113 deg F), and "Thermophiles" which are effective at temperatures of 95-140 deg F. These bacteria, Bacillus megaterium, B. licheniformis, B. subtilis, and B. subtilis produce several enzymes including amylase, cellulase, pectinase, protease, and xylanase - all of which effectively decompose organic matter into compost. COMPSTART also contains a yeast culture, Saccharomyces cerevisiae, to provide vitamins and other nutrients essential to the support of the bacteria cultures.

INGREDIENTS:

Dried fermentation product of Bacillus megaterium, B. licheniformis, B. subtilis, and Saccharomyces cerevisiae (50 billion bacteria per pound), fermentation extract of Trichoderma reesei, and Aspergillus niger, dried whey, and silicon di-oxide (diatomaceous earth) to prevent caking.

DIRECTIONS FOR USE:

For each 4 cubic feet of compost, mix 8oz (1/2 lb) of COMPSTART to one gallon of chlorine-free water at room temperature. Let stand for 30 minutes, stirring occasionally. Spray or sprinkle over compost pile and water in. Cover pile with at least 1 inch of topsoil and keep pile moist - about 50% moisture. Turn over every 3 to 5 days. Compost is ready when dark and crumbly and individual components are no longer identifiable.