

Waste Minimization through Vermicompost: An Alternative Approach

Authors : Mary Fabiola

Abstract : Vermicompost is the product or process of composting using various worms. Large-scale vermicomposting is practiced in Canada, Italy, Japan, Malaysia, the Philippines, and the United States. The vermicompost may be used for farming, landscaping, and creating compost tea or for sale. Some of these operations produce worms for bait and/or home vermicomposting. As a processing system, The vermicomposting of organic waste is very simple. Worms ingest the waste material-break it up in their rudimentary. Gizzards, consume the digestible/putrefiable portion and then excrete a stable, Humus-like material that can be immediately marketed. Vermitechnology can be a promising technique that has shown its potential in certain challenging areas like augmentation of food production, waste recycling, management of solid wastes etc. There is no doubt that in India, where on side pollution is increasing due to accumulation of organic wastes and on the other side there is shortage of organic manure, which could increase the fertility and productivity of the land and produce nutritive and safe food. So, the scope for vermicomposting is enormous.

Keywords : pollution, solid wastes, vermicompost, waste recycling

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