

VERMICOMPOSTING - THE USEFUL TECHNOLOGY FOR THE CONVERSION OF BIODEGRADABLE WASTES INTO DESIRABLE PRODUCTS FOR PLANTS

K. M. HASIB

The undesirable enormous wastes created as a result of overgrowing population of this planet is increasing rapidly in the surface of soil causing pollution and affects the environment remarkably. These kinds of pollution significantly affect the various life forms. The biodegradable wastes may be used for the production of vermicompost to utilize it for the growth and development of plants. Such kind of organic fertilizers can be used effectively in both rural and urban areas. Vermicomposting is the useful to convert the biodegradable wastes to nutrient rich organic manure with the help of microorganisms and earthworms. Various species of earthworms and microorganisms plays important roles for the improvement of soil. The increasing use of inorganic fertilizer along with pesticides, insecticides etc. affect the environment adversely and also destroy the inherent properties of soil. The application of inorganic fertilizers for long time reduces the fertility of soil and is detrimental for future. Therefore, the use of these kinds of harmful substances should be reduced. Vermicompost made from biodegradable wastes in association with earthworms, microbes etc. provides essential nutrients for the plants. The article emphasized the exploitation of enormous biodegradable wastes to produce vermicompost considering various aspects of it like concept of vermicomposting, requirements, methods of production, process and dose of application, nutrients available in the vermicompost, advantages and disadvantages and precautions during vermicomposting.
