

The Complete Technology Book on Vermiculture and Vermicompost

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The production of degradable organic waste and its safe disposal have become the current global problem. The rejuvenation of degraded soils by protecting topsoil and sustainability of productive soils is a major concern at the international level. Vermicomposting is compatible process with sound environmental principles that value conservation of resources and sustainable practices. Vermicompost is known to be the world best organic fertilizer. Vermiculture is for vermicompost. Vermiculture means artificial rearing or cultivation of worms (Earthworms) and the technology is the scientific process of using them for the betterment of human beings. Vermiculture technology has improved the crop productivity by increasing soil fertility through ecological methods of farming. Vermiculture has been embraced throughout the world right from the developed countries to the developing countries. Vermicomposting is a panacea for solid waste management. It is a simple kindred process of composting, in which certain species of microorganism such as earthworms are used to enhance the process of waste conversion and produce a better end product. Earthworms serve as nature plowman to facilitate these functions. They form gift of nature to produce good humus, which is the most precious material to fulfill the nutritional needs of crops. The utilization of vermicompost results in several benefits to farmers, industries, environment and overall national economy. This contains experiments from the field, vermicomposting materials, earthworm life cycle, ecological types earthworms, role of earthworms, vermicomposting, advantages of vermiculture, vermitechology. This book majorly deals with advantages of vermicomposting, vermicomposting in daily life vermiculture v/s vermicomposting, earthworms: ecological types, physical and chemical effects of earthworms on soils, fertilizers use and deterioration of soil environment, vermicomposting materials, feeding vermicomposting materials, ideal conditions for life of earthworms, earthworms : their application in organic agriculture, maintenance of vermicomposting beds, vermicomposting : general procedures at agricultural farms vermicomposting : kiss plan, vermicomposting: a world scenario, soil fertility and texture, advantages of vermiculture, small scale or indoor vermicomposting, large scale or outdoor vermicomposting etc. This book is an invaluable resource for readers, entrepreneurs, scientists, farmers, existing industries, technical institution, etc.

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Grace McKellar Centre, Geelong, Victoria, Australia

Hobart City Council, Tasmania, Australia

National Institute of Environmental Health Sciences, Research Triangle Park, North Carolina, United States

Newcastle City Council, New South Wales, Australia Oregon Soil Corporation, Beaverton, Oregon, United States

Pacific Southwest Farms, Ontario, California, United States

Resource Conversion Corporation/Canyon Recycling, San Diego, California, U.S.

Rideau Regional Hospital, Perth, Ontario, Canada

San Quentin Prison, California

Seattle Kingdome Stadium, Seattle, Washington, United States Sovadec, La Voulte, France

Vermiculture Production Center, Pinar del Rio Province, Cuba Vermicycle Organics, Inc., Charlotte, North Carolina, United States

India

Green Cross Society of Mumbai, India

Indian Aluminum Co. Ltd, Belgaum, India

M.R. Morarka - GDC Rural Research Foundation, Jaipur

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2. *Eisenia foetida* (Sav.)

Family : Eudrilidae

1. *Eudrilus eugeniae* (Kinb.)

Family : Megascolecidae

1. *Lamptio mauritii* (Kinb.)

2. *Metaphire anomala* Mich. (= *Pheretima anomala*)

3. *Metaphire posthuma* (= *Pheretima posthuma*)

4. *Perionyx excavatus* E. Perr.

5. *Perionyx sansbaricus* Michaelson

Family: Octochaetidae

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Sub-family : Diplocardinae

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DIRECTORY OF VERMICULTURE RESOURCES

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