

Vermicompost

An Organic Gold

(Vermiculture and
Vermicompost, Earthworm Farm
Business, Worm Composting)

Introduction

Vermiculture is the culture of earthworms. The goal is to continually increase the number of worms in order to obtain a sustainable harvest. The worms are either used to expand a vermicomposting operation or sold to customers who use them for the same or other purposes. Vermicomposting is the process by which worms are used to convert organic materials (usually wastes) into a humus-like material known as vermicompost. The municipal wastes; non-toxic solid and liquid waste of the industries and household garbage's can also be converted into vermicompost in the same manner. Earthworms not only convert garbage into valuable manure but keep the environment healthy.

Conversion of garbage by earthworms into compost and the multiplication of earthworms are simple process and can be easily handled by the farmers.

Vermiculture method is simple, effective, convenient, and noiseless. It saves water, energy, landfills, and helps rebuild the soil. The worms ability to convert organic waste into nutrient-rich material reduces the need for synthetic fertilizers. The term vermicomposting means the use of earthworms for composting organic residues. Earthworms can consume practically all kinds of organic matter and they can eat their own body weight per day. Vermicompost improves soil structure, texture, and aeration as well as increasing its water-holding capacity.

Many gardeners use vermicomposting systems for all their garden and kitchen wastes, many more use both types of composting, and thousands of households without gardens use neat and unobtrusive worm boxes indoors to compost their kitchen scraps (as well as newspapers and cardboard boxes), reducing their garbage by up to a third and providing their own organic soil for pot plants and container gardens on balconies and roofs to grow their own healthy food.

Vermicompost organic fertilizer production has now become a major component of agri-business models across the country with a very low initial investment.

Vermicompost is the product or process of composting utilizing various species of worms to create a mixture of decomposing vegetable or food waste, bedding materials, and vermicast.

Presently the demand of vermicompost has been increased due to many programmes on organic production undertaken by different government agencies like Spices Board; Agriculture Marketing Board. Vermicomposting is increasingly being adopted by businesses, institutions, farms, and municipalities for managing organic waste.

Organic materials can be vermicomposted on-site or transported to a centralized facility.

Based on the increasing trend in the number of vermicompost technology adoptors, it was popularized among local entrepreneurs for the reason that it is considerably profitable and furthermore maximizes the flow of materials within the farm level.

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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Family : Lumbricidae

1. *Bimastos parvus* (= *Allolobophora* (*Bimastosparvus* Eisen)

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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2. 2. Ramiella bishambari (Steph.)

Sub-family : Diplocardinae

1. Dichogaster bolau (Mich.)

2. Dichogaster affinis (Mich.)

3. Dichogaster curgensis (Micha.)

4. Dichogaster saliens (Bedd.)

5. Ramiella bishambari (Steph.)

6. Erythodraeodrilus suctorius (Steph.)

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DIRECTORY OF VERMICULTURE RESOURCES

Niir Project Consultancy Services (NPCS)
can provide Process Technology Book on
Vermiculture and Vermicompost

See more

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<https://goo.gl/8IWEuQ>

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Our Approach

Requirement collection



Thorough analysis of the project



Economic feasibility study of the Project



Market potential survey/research



Report Compilation

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- *Aluminium And Aluminium Extrusion Profiles & Sections,*
- *Bio-fertilizers And Biotechnology*
- *Breakfast Snacks And Cereal Food*
- *Bicycle Tyres & Tubes, Bicycle Parts, Bicycle Assembling*

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- *Building Materials And Construction Projects*
- *Biodegradable & Bioplastic Based Projects*
- *Chemicals (Organic And Inorganic)*
- *Confectionery, Bakery/Baking And Other Food*
- *Cereal Processing*
- *Coconut And Coconut Based Products*
- *Cold Storage For Fruits & Vegetables*
- *Coal & Coal Byproduct*

- *Copper & Copper Based Projects*
- *Dairy/Milk Processing*
- *Disinfectants, Pesticides, Insecticides, Mosquito Repellents,*
- *Electrical, Electronic And Computer based Projects*
- *Essential Oils, Oils & Fats And Allied*
- *Engineering Goods*
- *Fibre Glass & Float Glass*
- *Fast Moving Consumer Goods*
- *Food, Bakery, Agro Processing*

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- *Fertilizers & Biofertilizers*
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- *Hospital Based Projects*
- *Herbal Based Projects*
- *Inks, Stationery And Export Industries*

- *Infrastructure Projects*
- *Jute & Jute Based Products*
- *Leather And Leather Based Projects*
- *Leisure & Entertainment Based Projects*
- *Livestock Farming Of Birds & Animals*
- *Minerals And Minerals*
- *Maize Processing(Wet Milling) & Maize Based Projects*
- *Medical Plastics, Disposables Plastic Syringe, Blood Bags*
- *Organic Farming, Neem Products Etc.*

- *Paints, Pigments, Varnish & Lacquer*
- *Paper And Paper Board, Paper Recycling Projects*
- *Printing Inks*
- *Packaging Based Projects*
- *Perfumes, Cosmetics And Flavours*
- *Power Generation Based Projects & Renewable Energy Based Projects*
- *Pharmaceuticals And Drugs*
- *Plantations, Farming And Cultivations*
- *Plastic Film, Plastic Waste And Plastic Compounds*
- *Plastic, PVC, PET, HDPE, LDPE Etc.*

- *Potato And Potato Based Projects*
- *Printing And Packaging*
- *Real Estate, Leisure And Hospitality*
- *Rubber And Rubber Products*
- *Soaps And Detergents*
- *Stationary Products*
- *Spices And Snacks Food*
- *Steel & Steel Products*
- *Textile Auxiliary And Chemicals*

- *Township & Residential Complex*
- *Textiles And Readymade Garments*
- *Waste Management & Recycling*
- *Wood & Wood Products*
- *Water Industry(Packaged Drinking Water & Mineral Water)*
- *Wire & Cable*

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