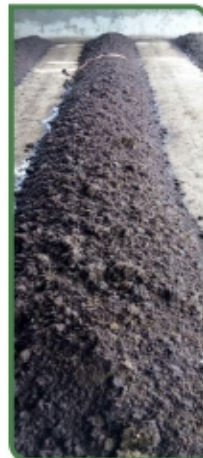
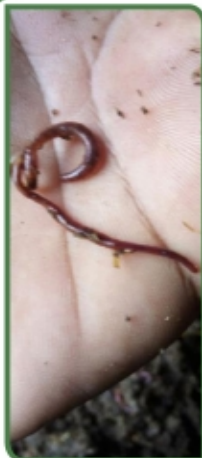


Darshana Vermicompost

Darshana Vermicompost is a leading name among companies in the market of manure. A promising Manufacturer and Supplier of Earthworms and Vermicompost Manure, it offers products of top-notch quality. The company supplies products that are of genuine nature and which have lesser effects on the environment. For all the needs of agriculture that deal with composts, we are a reliable name. Our company caters to the vast demands of the domestic market and we supply all such products at competitive rates.



company profile

Established in the year 2002, Darshana Vermicompost is based in Baghpat, Uttar Pradesh (India). The company CEO, Mr. Prashant Vats, leads the company with the motive of making it among the most preferred in the country. The company offers nothing less than unmatched products.

Reliability

Years of appreciation and trust of customers, suggest the high level of reliability that is associated with our company. We prioritize the demands of customers and we supply them products by taking care of such requirements.

Customer Service

We do not just supply products, but we also suggest customers, the most suitable products with respect to their needs. We believe in serving our customers with sincerity. Meeting their requirements is our sole responsibility!

Team of Experts

Our team of experts is always indulged in research and development. By prioritizing the concept of sustainability, we want to supply products, which are of supreme quality and which possess the least threat to the environment.

Name of CEO	Mr. Prashant Vats
Year of Establishment	2002
Nature of Business	Manufacturer & Supplier

Earthworms

Our quality analysis wing comprises deft professionals who conduct strict checks for ensuring zero-defect products. The raw material used for the wide array of products we deliver are quality checked and are completely certified by the professionals. For the utmost client satisfaction, we conduct regular quality checks of the raw material.



Vermicompost Manure

The offered assortment of quality products is a result of complete quality inspections done at varied stages of sourcing raw material, which plays a vital role in delivering the finest products. We have hired a team of professional warehousing personnel who takes care of the entire lot and keep it protected. Our unit is installed with all necessary amenities required for safe storage.



Manufacturing of vermicompost (An Organic Fertilier)

INTRODUCTION

Charles Darwin (1881) drew attention to the role of earthworms in the breakdown of Organic material in soil and forest litter and in maintenance of soil structure, aeration and fertility. Darwin's work gave an impetus to earthworms research particularly in Europe. Paper, wool and food industries in Japan are now intending to utilize earthworms as decomposer organisms for industrial waste matter (Wattanabe and Tsulamato, 1976). Review on earthworms have been published by Avel (1959). Tembe and Dubash (1961), Edward and Lofty (1972) have reviewed extensively the biologicals of earthworms. Earthworms is physically as aerator, crusher, mixer, chemically a degrade and biologically a stimulator for decomposition or composting process.

NEED OF VERMICOMPOSTING:

Enhancement of environmental quality is accepted national goal. Waste biomass from domestic, agriculture, urban and industrial sources are the main cause of organic pollution in developing countries like India. India has annual potential of about 200 million tons of solid and Liquid waste biomass production. Organic manures in agroecosystems help in soil conservation and increase water retention capacity of soil. Inorganic fertilizers are costly because of their price linkage to the escalating price of petroleum. Thus appropriate disposal of waste through vermicomposting has at least three advantages namely.

Environment protection-(Waste management)

Production of Vermiprotein – it can be used as a feed for poultry, fish, pigs and other domestic animal.

Vermicompost – For healthy plant growth.

HISTORY OF VERMICOMPOSTING :

Eventhough earthworm activity in soil is known from the time of Darwin (1881) Vermicomposting has not been realised before mid 20th Century. At Hoilands, Landing, Ontario, Canada the first pioneering vermicomposting of waste was attempted in 1970. a pilot scale demonstration of Vermicomposting of Municipal solid waste was conducted in 1975 at Ontario.

American Earthworm company (AEC) demonstrated Vermicomposting during 1978-

Manufacturing of Vermicompost

1980 in Florida involving 500 tons of Soilds waste. Two farms are actively engaged in commercialising vermicomposting in Japan. They are AOKA SANGYO CO. LTD. and Toyahire Seiden Kogyo Co. They have designed vermicomposting of plants capable of producing 1000-3000 tons of manure per month from waste of food processing units, rice straw, municipal solid waste, etc. Japan has procured 3000 tons of earthworm from USA for Vermicomposting of waste pulps from paper and spinning mills during 1985. In some European contries like Itly small farms are engaged in designing Vermicomposting plants and many universities in Europe are engaged in vericomposting research. In USA several vermicomposting farms have now been established involving more than 10000 earthworms ranchers and engineer Roger. E. Gaddie is taking the lead. In asian countries, Philippine has made the pioneering effort form small scale vermicomposting with the leasership of engineer.

W.V. Tan. There is urgent need of development of appropriate mode (s) for Indian conditions. It is hoped that Government and other Organisations will come for financial support.

VERMICOMPOSTING PRODUCTS AND THEIR UTILITY :

Earthworm Castings (Vermicompost)

Vermicompost is very important of biofertilizer for healthy plant growth. It contain 2-10 times more nutrients in bio-available form than the soil. It not only add nutrients to plants but also help in soil conservation and water conservation. It contains cocoons of earthworm hence earthworm multiplication proceeds in the farm it self. The waterholding capacity of Vermicompost is increased by 350% than the soil. The native species of earthworm will attract towards the vermicomposting layer resulting improvement in the soil porosity.

Earthworm : (Elsenia Foctida)

Earthworms could be used as a feed material for poultry, aquaculture and domestic animal. Earthworms used for fish bait is very well known in india. Earthworm produced from vermicomposting can be reinoculated or can be applied in agricultural field. Earth worm tissue contains 50-70 % protein, 7-10% of fat and good amout of calcium phosphorus and other minerals. It's tissues contain 4100cal/gm on dry weight basis. Earthworm can multiply 2-5 times or more per year when grown on orgainc waste. Earth worm tissue contains very high concentration of critical aino acids namly Arginine, Tryplophan and Tyrosine. It is more stable then any other protein feed aviable in market. Earthworm fed to

Manufacturing of Vermicompost

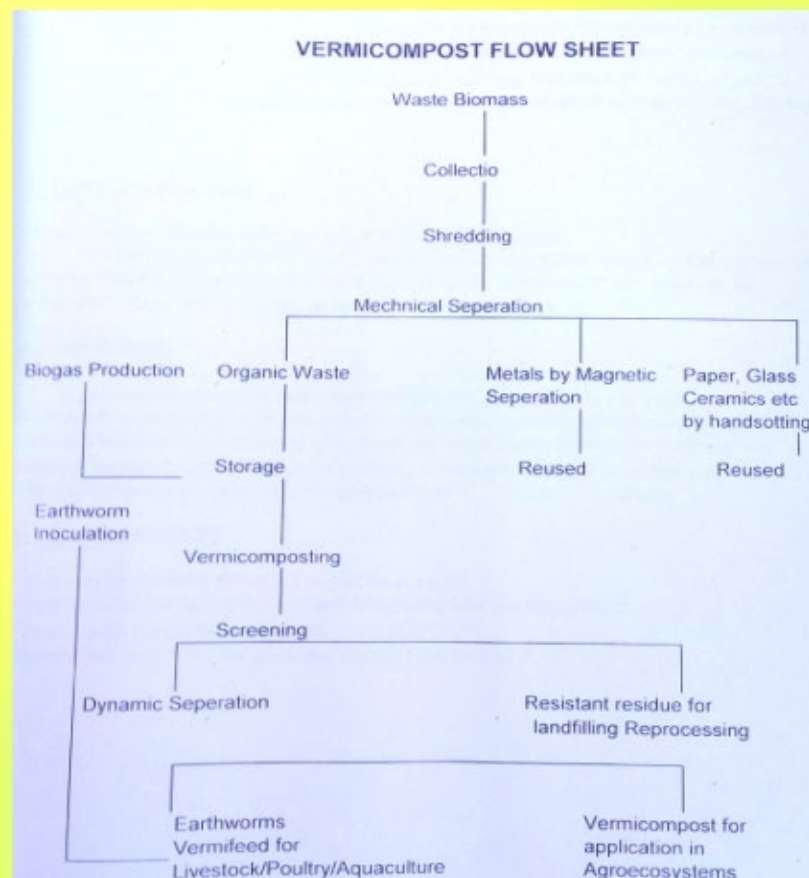
chickens, fishes, cattle have shown encouraging results for stimulating enhanced growth rate. Earthworms grown in sterilised filter paper are being utilised as human food in U.S.A. and U.K.

Market Potential

Millions of farmers in developing countries need adequate resources for augmenting the crop productivity. The vermicompost influence favourably, plant growth and yield directly as well as indirectly.

The indirect effects include augmentation of vermiculture and beneficial microbial population and their activities such as organic matter decomposition, biological-nitrogen fixation solubilisation of insoluble phosphate and availability of plant nutrients. Organic fertilizer (Vermicompost) improve the soil structure, seed germination, waterholding capacity, drainage, Cation exchange capacity and check soil erosion.

The direct effect relates to the resistance power of plant against various pest and insect attack and improvement in keeping quality (Lustre, taste, sweetness, shelf life) of the agriculture product.



contact us



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