

Vermicompost

A Natural Life Enhancer for Land & Plants

Farmers of a few Villages came up with their issue, saying that their land quality is deteriorating. In discussion with them, we could understand that it was due to heavy usage of heavy chemical fertilizers and pesticides in their farm. They also have complained of Skin Diseases due the use of chemical fertilizers and pesticide.

An alternate to this could be Vermicompost – was a suggestion given by one of the Experts.



Vermicomposting is basically a managed by a process of worms digesting organic matter to transform the material into a beneficial soil amendment.

It is also defined as organic matter of plant and animal origin consisting mainly of finely-divided earthworm castings, produced non-thermophilic ally with bio oxidation and stabilization of the organic material, due to interactions between aerobic microorganism and earthworms, as the materials pass through the earthworm gut.

Vermicompost enhances plant growth, suppresses disease in plants, increases porosity and microbial activity in soil and improves water retention and aeration. Vermicompost also benefits the environment by reducing the need for chemical fertilizers and decreasing the amount of waste going to landfills.

- It is very easily available for the plants to uptake minerals and nutrients.
- It reduces the cost of farming.
- It increases in crop fertility, growth of plants, and quality of Plants.
- It helps in maintaining humidity in farm. So reduces water requirements .
- It is more economical than other compost.
- It requires quantity. Very easy to use. It does not harm human and farm.
- It can be made at home.
- Vermicompost is Easy, Economical, Qualitative.

Making farmers aware about Vermicompost, by holding training sessions covering practical.

Training was imparted to interested farmers & Vermicompost Units were Setup. This enables them to make fertilizers in their farm out of Biowaste & without incurring Expense.

Coverage : Vermicompost Units in

- 14 Units in Halol-
- 7 Units in Jambughoda
- 2 Units in Ghogha

A secondary project to the Vermicompost which Compliments this Concept is...

“Jivamrut”:

Jivamrut is an excellent source of natural carbon, nitrogen, phosphorous, potassium and other micronutrients which are mainly use as natural manure in organic farming. As compared to other forms of manure, compost & Vermi Compost, Jivamrut can be prepared very easily and quickly. It along with other can also be very beneficial for Crops.

It is a Concoction where cow urine, fresh straw and pulses flour are mixed in certain proportion & over period od 30 days this can be used as a pesticide. Farmers usually have cattle, husk, flour. They only need to invest in pulses.

This Setup is parallel to the Vermicompost Set up. 23 such units have been set up along with Vermicompost.

This is usually used as Pesticide.



“Panchgavya”:-

A second project which complements the Original Vermicompost is “ Panchgavya”

Panchgavya is made from Cow’s Urine as a base plus other ingredients used for healthier crop yield. It is applied on crops / plants reaching a ripening stage.

This is in pipeline & will soon be implemented.



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An Experience shared by one of the Beneficiary...

“My name is Naginbhai Rathva and I live in Amrapura. I am doing farming since 25 years. I have10 Bigha land. I used to spend Rs.7000 for farming in a Bigha land. I used to earn very little. I could only grow 2 crops in a year. Moreover, the plant was not growing

properly. I used to spend money on DAP, Urea fertilizer and also used chemical fertilizers for pests, insects, caterpillars etc. Due to this type of farming my expenses were increasing and even labor work increased. Plus the land was also deteriorating. Plants were not growing properly which had an impact on crop production. Due to this I had to face many financial difficulties. While using chemical fertilizers in the farm, the consumption of food from it had an effect on the body parts too. Due to chemical fertilizers, the soil became less fertile & the plants do not grow properly. Even the land has become very hard”.

After:

“I was guided about Vermicompost through Polycab Social Welfare Foundation. By PSWF I got 1 Unit set up. I have been trained to make earthworm compost at home. I made earthworm compost at home and it took about 60 days to prepare. I also received training for Jivamrut where cow urine, fresh straw and pulses flour were used & I use it from time to time. In single time I got around 450 kg of compost which I used in my land.

I have been trained in making organic medicine at home through PSWF where I made medicine using the plants growing in the forest which I further used in my farm crops. I do not have any health related problems from its use till now.

I did Maize and chilies crop this year. My expenses were minimal and Savings were used for the education of my children. Using natural fertilizers and natural medicine gave me a decent yield this year. Also the plant has developed well. My land looks better now”.