

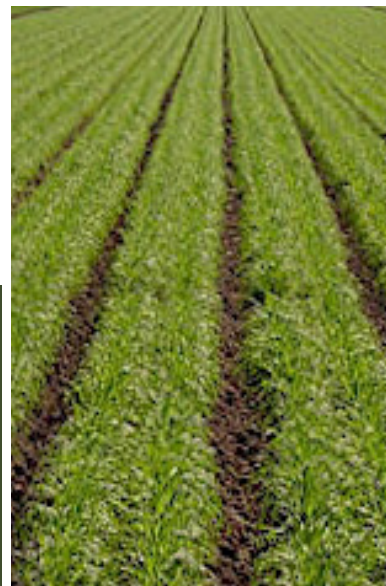


www.VermiOrganicos.net



Leader in Organic Fertilizers

Compost | Earthworms | Solid Humus | Liquid Humus



ABOUT US



OUR HISTORY

VermiOrganicos is a family owned and operated company that specializes in the production of organic fertilizers generated from earthworms and sugar cane waste. Our organic fertilizers can be used in agriculture, livestock, and fish farming. Our company was founded in 1988 and our main offices are located in Tamazula de Gordiano, Jalisco, Mexico.

We began operating thanks to our proximity to the main source of our products, which is the cachaza (sugar cane waste). The “cachaza” is the waste generated by the Ingenio Tamazula, a sugar cane factory, after grinding sugar canes. We use this waste to produce compost, feed our earthworms, and consequently to produce solid and liquid earthworm humus.

Our main products include compost, Red Californian earthworms, liquid humus, and solid humus. All of our products and processes are certified by various national and international organizations, such as Bioagricert, CERES (Certification of Environmental Standards), and Metrocert (Mexican tradition organic).

GOAL

Our goal is to be the leader in Mexico in the production of organic fertilizers.

MISION

Our mission is to contribute to the global ecological recovery in an economic, sustainable and profitable way by producing and providing quality organic products that generate positive and healthy results in agriculture.

WHY US?

- Certified Quality
- Over 15 years of Experience
- Products Good for the Environment
- Personalized Service
- Competitive Prices
- Qualified & Friendly Staff
- Products Without Expiration Date

DISTRIBUTORS

Our products can be purchased directly from us or from one of our distributors throughout the Mexican Republic. For the full list of distributors or to find one near your residence please visit our website.



BENEFITS

BENEFITS

The benefits of organic fertilizers are many. Many studies have shown that organic fertilizers benefit the plants, soil, environment, and the economy. They increase the productivity of plants, and when compared to chemical fertilizers, they generate better results in the long term.

One benefit of our organic fertilizers is the slow release of nutrients. When the organic fertilizer is mixed into the soil, the microorganisms that are in the soil, have to work on the fertilizer, break it up and release the nutrients. This is a slow process and so there is no danger that too many nutrients are ever available to the plant. As such there is no chance for a 'plant burn' when organic fertilizers are used.

Another very important benefit is the long-term benefits to the soil. Chemical fertilizers contain certain harmful elements that can cause acidity in the soil; on the other hand, organic fertilizers stimulating the growth of microorganisms in the soil, thus ensuring long-term fertility of it.

Our Organic fertilizers generate long-term benefits to the environment as they are made of biodegradable contents. They do not have an expiration date, and they can be used on any type of soil and plan. They are safe to use and are no harmful to humans or animals.

Our organic products are also cost-effective. Many of our clients have saved up to 50% in costs while increasing quality and productivity.

Benefits to the Plant and Farmer

- Production cost can be reduced by up to 50%.
- Improve the ventilation and penetration of the water in the soil.
- Increases water storage capacity on the ground as it has the capacity to absorb and retain water five to six times its own weight.
- No expiration date.
- Releases nutrients slowly-over months or years, unlike synthetic fertilizers.
- Non-toxic or harmful to humans and animals.

Benefits to the Consumer

- Improves the taste and color of the fruits and vegetables.
- Prevents exposure to chemicals that could be harmful to the consumer.

Benefits to the Soil and Environment

- Avoids pollution by not using chemical fertilizers.
- Reduces soil loss by erosion because it increases the capacity of water penetration in soil or infiltration.



PRODUCTS

RED CALIFORNIAN WORMS

Red Californian worms can be raised anywhere on the planet that has a temperature not exceeding 40 °C. The minimum temperature in which they can survive is 0 °C, and a temperate of around 20 °C is the optimal temperature for them to reproduce. Worms that live in an area with a temperature between 14 °C to 27 °C are more fertile. During hotter and colder months they reproduce slower than normal. When the temperature is below 7 °C, earthworms do not procreate.

Characteristics:

- Dark red color.
- Breaths thru the skin.
- Measurements: 6 to 8 inches long and 3 to 5 millimeters wide.
- On average they eat 1 gram per day and weight about 1.4 grams.
- Temperature needed to survive: Minimum 0 °C - maximum 40 °C - optimum 20 °C.
- Does not tolerate solar light; a worm exposed to sunlight dies in a few minutes.
- Live approximately 5 years, and under certain circumstances, is able to produce 1,300 new worms per year.
- The worms are hermaphrodites, and therefore all individuals can reproduce.
- Breed once a week and reach the reproductive maturity at 3 months of age.
- Two thousand worms produce 1 kilogram of humus per day.
- The population doubles every 40 days.
- Processes organic wastes via its intestines, decomposes, digests and transforms them into humus.

VERMICOMPOST

Vermicompost is the product or process of composting utilizing various species of worms to create a heterogeneous mixture of decomposing vegetable or food waste, bedding materials, and vermicast. Vermicast, similarly known as worm castings, worm humus or worm manure, is the end-product of the breakdown of organic matter by a species of earthworm.

Containing water-soluble nutrients, vermicompost is an excellent, nutrient-rich organic fertilizer and soil conditioner. The process of producing vermicompost is called vermicomposting. The earthworm specie (or composting worm) that we use is Red California worms (*Eisenia foetida*). To produce vermicompost in large-scale, we use a windrow, which consists of bedding materials for the earthworms to live in and acts as a large bin; sugar cane waste is added to it.

Vermicompost is ready for harvest when it contains few-to-no scraps of uneaten food or bedding. Vermicompost has been shown to be richer in many nutrients than compost produced by other methods. It is rich in microbial life which converts nutrients already present in the soil into plant-available forms. Unlike other compost, worm castings also contain worm mucus which helps prevent nutrients from washing away with the first watering and holds moisture better than plain soil.

COMPOST



COMPOST

The compost that we produce is controlled and it is generated by the “cachaza,” which is made of the sugar cane waste generated by Ingenio Tamazula, a sugar cane factory. We mix the “cachaza” with liquid humus generated by Red Californian worms to enrich its microorganisms until it reaches the point in which it can be use as organic fertilizer.

The compost has thousands of microorganisms (bacteria and fungi) that are responsible for decomposing the organic waste until it converts to an organic material that is rich in nutrients. These nutrients are then absorbed by the plants with the help of soil moisture.

The nutrients found in our compost are balanced, and unlike other types of sources needed to create compost, our source, the “cachaza,” has the advantage of containing a large percentage of sugars (from sugar canes), 58% of carbohydrates, and 11% of protein; all of which allow a rapid decomposition.

Studies have demonstrated that plants benefit greatly by using compost. The following are some of its benefits:

- Helps to improve the ventilation and penetration of the water in the soil.
- Avoids pollution by not using chemical fertilizers
- Increases water storage capacity on the ground as it has the capacity to absorb and retain water five to six times its own weight.
- Releases nutrients slowly-over months or years, unlike synthetic fertilizers.
- Holds nutrients tight enough to prevent them from washing out, but loosely enough so plants can take them up as needed.

- Buffers the soil, neutralizing both acid & alkaline soils, bringing pH levels to the optimum range for nutrient availability to plants.
- Loosens tightly bound particles in clay or silt soil so roots can spread, water drain and air penetrate.
- Reduces soil loss by erosion because it increases the capacity of water penetration in soil or infiltration.
- It reduces compaction, so it is easier to work on the land.
- Houses millions of micro-organisms and beneficial insects that help the plants to absorb nutrients and at the same time acts as natural “enemies” of pests and diseases, minimizing the need to use pesticides.

Best of all is that the compost is natural, organic, and economic. The compost can be used in any kind of cultivation. The amount needed depends on the type of plant and soil. For more information on the compost, its use, or the amount needed for your plant contact us or contact one of our representatives.

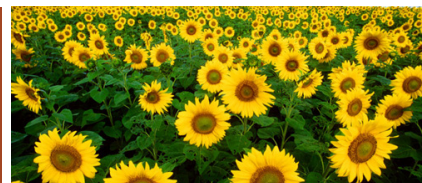
Process

Our compost is generated from the mixture of sugar cane waste and liquid humus generated by Red California worms. The process of creating compost takes more than 90 days, and it is ready to be used when it reaches a humidity of 30%.



PRODUCTS

LIQUID & SOLID HUMUS



LIQUID HUMUS

Our liquid humus is an organic nutrient, breeder of soil, accelerator of natural compost, and a healer of soils. It also helps the plants to grow healthier by protecting them from diseases and pests, as well as sudden changes in temperature and humidity. Our liquid humus is generated by sugar cane waste and by Red Californian worms (*Eisenia Fetida*).

This humus balances the microelements of the plants, thus generating healthy, highly productive plants with long life that produce high quality products. This humus improves the land by helping it to absorb and retain more nutrients, and by improving its capacity to retain more water. It contains 40 millions of micro-organisms per gram, of which the most important are: *Azotobacter*, *Clostridium*, *Nitrobacter*, *Nitrisomonas*, and *Nitrococcus*.

It also contains the following: *Pseudomonads*, *Micrococcus*, *Lactobacter*, *Termoactenomiceti*, *Klebsiella*, *Bacillus cereus*, *Bacillus megaterium*, *Bacillus lactobacillis*, *Cytokinin extract*, *Bacillus subtilis*, *Suillus Lutus*, *Suillus Granulatus*, *Tricholoma*, *Higrophorus SPP*, *Psolithus Tinctorius*, *Scleroderma Verrucosam*, *Laccarea Laccata*, *Scleroderma SPP*, *Cyathus Oila*, *Tuber SPP*, and *Cantherellus SPP*.

Process

The creation of liquid humus goes through a similar process as the creation of solid humus. To generate liquid humus the worms are fed with sugar cane waste (cachaza) and their droppings are enriched with solid humus.

SOLID HUMUS

Our solid humus is a very efficient organic fertilizer. It is generated by the droppings of Red Californian worms that are fed with sugar cane waste. This very nutritious humus helps plants to grow healthy and strong, and it helps the soil to remain clean and fertile. It also helps to retain humidity and to prevent erosion. This humus can be applied on gardens, grass, sports fields, orchards, and on any other type of plants.

Process

Our solid humus is generated by feeding our worms with the sugar cane waste (cachaza). The worms are removed from their waste, and the humus is dehydrated until it only has a humidity of 40%. It is that that point when this humus can be sold and used as organic fertilizer.

APPLICATION

All of our products can be applied to any type of soil and to any type of plant. The quantity applied varies depending on the soil and type of plan.

PRESENTATION

Red Californian Worms

Worms with solid humus sold by the kilogram. We recommend a minimum of 100 kilograms to obtain solid humus.

Compost

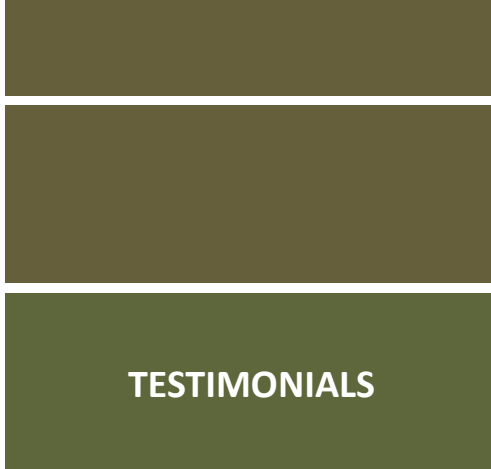
Wholesale in cubic metres or bags of 50 liters with a humidity of 30% - 40%.

Liquid Humus

Containers of 25 liters.

Solid Humus

Bags of 50 liters with a humidity of 30% - 40%.



TESTIMONIALS

TESTIMONIALS

The best way to compare chemical fertilizers with organic fertilizers is by using them. Below are the testimonials of some of our clients who have experienced many benefits when they switched from chemical fertilizers to our organic fertilizers.

“The use of VermiOrganicos’ humus is giving us great results. We have gained an increase of 25% in our production; we were collecting 50 tons and now we are collecting between 65-70.” — Mario Ordoñez

“The plants are healthier and look better. We also reduced cost by half.” — Luis Felipe

“The use of solid humus has helped me because it retains the humidity.” — Enrique

“We have over three years using the humus from VermiOrganicos and it has helped us a lot. Our production increased 20%. I highly recommend it because you can see the benefits in the color of the plants, its development, and the quality of the final product.” — Everardo

“Several years ago I had tomato plants in a bad condition, so I decided to test on them humus that I had stored for years. To my surprised the plants improved and gave me one of the best tomatoes I have ever produced.” — Mario Macias

“I have more than eight years using VermiOrganicos’ humus. At the beginning I had doubts, but by testing it and comparing it with chemical fertilizers I noted a difference in production. Before we used to have a production of 60-70 tons, and now, with the use of liquid and solid humus, we have a production of 110-115 tons.” — Owner of Rancho La Venta

“The change is very noticeable. With chemical fertilizers I never harvested so much as I do now that I use compost and liquid humus. I also saved between 40% and 50% in the long term by using organic fertilizers from VermiOrganicos.” — German Martinez

“When we applied the humus we saw a change in the color of the plants, from a yellow to a dark green. After that we decided to permanently incorporate the use of humus.” — Hector Martínez



VermiOrganicos

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