

VermiTech

by Riverm

**SOLID AND LIQUID
WERMICOMPOST PRODUCTION SYSTEM**

HEALTHY SOILS ● **HIGH YIELD** ● **ECO-FRIENDLY PRODUCTION**



**Who
are
we?**



- ✦ Other name of the Vermicompost Production Technology which is the result of extensive collaboration between Ukrainian and Turkish engineers.
- ✦ A pioneering enterprise in organic vermicompost production and soil improvement technologies dedicated to developing innovative and eco-friendly vermicomposting (*worm compost*) production technologies.
- ✦ Produces not only organic and organomineral vermicompost but also innovative vermicompost processing technologies.

VermiTech[®]

by Riverm

- ✦ Is the venture of Riverm located in the United States takes pride in bringing this advanced technology to the United States.



Our Mission

- ✦ To advance sustainable agriculture and environmental stewardship by optimizing resource efficiency and rehabilitating chemically degraded soils.
- ✦ Backed by a team of experts with years of experience, we have successfully enhanced production processes to achieve high quality and efficiency.

Global Vision

- ◆ To make a difference not only locally but also on a global scale with our cutting-edge technology.

What do we do?



Solid Vermicompost

- To make a difference not only locally but also on a global scale with our cutting-edge technology.

Liquid Vermicompost

- ◆ Colloidal suspension of solid vermicompost and water mixture contains particle sizes as low as 700 nanometers quickly absorbed by plants, ensuring higher efficiency.

Solid and Liquid Vermicompost Production

Rivo Harvesting System

- ◆ Processes worm castings to produce high-quality solid vermicompost.
- ◆ Provides a more homogeneous and effective product widely preferred by producers in Turkey.

Rivo Liquid Vermicompost Processing System

- ◆ Converts solid vermicompost into liquid form reducing particle size down to 700 nanometers by hydrocavitation cleans chemical residues in the soil, contributing to the environment.

Hydrocavitation in liquid vermicompost production

HYDROCAVITATION

- ✦ Advanced processing technology that uses microbubbles and intense pressure changes to break down organic materials effectively.
- ✦ Helps to liquefy solid worm castings into fine particles, ensuring a uniform and highly absorbable fertilizer product
- ✦ Triggers beneficial bacteria to go dormant, preventing spoilage, swelling, and unpleasant odors for an extended period
(Upon mixing with water, the dormant bacteria are reactivated, ensuring optimal effectiveness)

ADVANTAGES

- ✦ **Higher Efficiency:** Ensures faster processing compared to conventional methods
- ✦ **Improved Absorption:** Produces nano-sized particles, allowing plants to absorb nutrients more effectively
- ✦ **Eco-Friendly:** Reduces energy consumption and minimizes waste during the production process
- ✦ **Enhanced Quality:** Delivers a more consistent and nutrient-rich liquid vermicompost

Why Riverm Vermicompost Production Technology?





Innovative Technology

- ✦ First system in the world to process and liquefy vermicompost at fertilizer standards.

Eco-Friendly Solutions

- ✦ Completely eliminates residues left by chemical fertilizers in the soil.

Global Experience

- ✦ Established for more than 40 companies in Turkey.
- ✦ Exported and being successfully used in Ukraine, Italy, Belarus, Libya, Lebanon, and Romania.

High Quality

- ✦ Offers organic solutions for more efficient and healthier products.



Why Liquid Vermicompost?



Easy Application

- ◆ Allows for quick and more effective use in fields and gardens
- ◆ Can be used in drip and sprinkler irrigation systems without causing clogging

Eco-Friendly Solutions

- ◆ Nano particle size ensures maximum benefit for plants.

Global Experience

- ◆ Completely organic
- ◆ Does not harm the environment
- ◆ Improves soil quality

What makes Riverm Technology Different?





Efficient and Sustainable Systems

- ◆ Riverm's systems make organic vermicompost production more efficient, cleaner and sustainable.

Unique Technology

- ◆ Riverm's technology delivers faster and more effective results compared to other systems.

Global Trust

- ◆ Preferred by both local and international producers.



**Together,
let's shape the future of organic
farming.**

Thanks!

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