

Why Worms?

BioFiltro designs, builds, and operates onsite wastewater systems that employ millions of worms and microbes to remove nutrients from the process waste stream in a four hour process



Worms are professional composters who convert half their body weight of organic matter into poop, everyday



Their poop is rich in microbial activity which builds biofilm, a key component to wastewater treatment



While burrowing through the system, their tunnels passively deliver oxygen critical to treatment and biofilm health



The ultimate environmental engineers, they break down larger solids into bite size morsels for the biofilm to consume



Averaging a 6-8 year lifespan, they become specialists in the seasonality of wastewater volume and strength



Worms have ~500 babies a year, so they know that to be generational you must be sustainable



BIOFILTRO

worm powered wastewater solutions

**A NATURE BASED
SOLUTION**

**TO RESTORE WATER AND
SOIL**

**THROUGH REGENERATIVE
WINEMAKING**

**A WHOLE NEW CAN OF WORMS
FOR TERROIR NOIR AND
CLIMATE SMART WINEMAKING**

PROUD TO BE A CARBON
NEUTRAL COMPANY

OUR CAN OF WORMS



We design and provide Control Units, which include an equalization tank, pH adjustment system, solid separator, pump station, PLC, and sensors, to feed our two story twenty foot long "Wiggle Room" treatment modules. Each Wiggle Room houses worms, microbes, wood shavings, and an irrigation system while the two floors can act in parallel or series to accommodate seasonal volume and strict discharge requirements.



Each Wiggle Room handles ~10,000 cases of process water and multiple units can be installed at a facility. Modular systems can be delivered as soon as 8 weeks after the execution of a purchase agreement. For wineries larger than ~40,000 cases, custom designed options are available; our largest winery system produces the equivalent of 10M cases annually.

Equipment provided by BioFiltro is monitored by our Internet of Worms (IoW) which enables BioFiltro and clients to track flow, pressure, pH, etc in real time, and make data driven decisions around water usage.

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WHY BIOFILTRO?

By harnessing the power of hungry worms, BioFiltro uses up to 85% less energy than traditional technologies to deliver water ready for irrigation and compliant with California's new winery statewide discharge requirements.

Instead of generating sludge, we produce vermicompost, a microbial rich soil amendment beneficial to water retention, microbiome diversity, root health, and enhancing terroir noir.

By choosing BioFiltro, your process water feeds a regenerative system that cultivates a harmonious relationship between people, planet, and profit.

Wiggle with us towards regenerative winemaking.

