

WORM POWER

The engine of nature.



The New Standard For Soil Transformation!

Our story – Growth with vision.

At Worm Power, we are innovators with a revolutionary vision. We believe there is a better, more sustainable path forward and that nature can show us the way.

When Worm Power was founded in 2003 our goal was to establish a bridge between animal agriculture and plant agriculture. We had discovered an opportunity to reduce excess nutrient loads from dairy waste by turning that waste into a professional-grade organic soil amendment through a patented vermicomposting process. A process and product that is science-based and backed by extensive University testing and research.

In 2005 Worm Power set up its first vermicompost facility in Avon, NY adjacent to Coyne Farms—a fifth generation Dairy of Distinction and the sole source of feedstock for the Worm Power operation. This exclusive partnership is a foundational element in the consistent, uniform and repeatable Worm Power process and final product—an important part of what has made Worm Power the largest process-controlled producer of worm-worked materials and castings in the Western Hemisphere.

Beneficial Impacts of Worm Power

Plant Nutrition:

- Enhanced availability of plant nutrients
- Manure-based VC has a diverse nutrition profile

Enhanced Efficiency of Water Use:

- Better Biome, Better Soil. Better Roots.
- Improves Drought Tolerance
- Watershed safe

Soil Inoculation:

- Vermicompost & Liquid Extract delivers a robust and diverse microbial population
- Promotes soil fertility and healthy soil biome

Natural Source of Phyto Chemicals:

- High humic content
- Makes nutrient delivery more efficient over an extended period

The Engine of Nature:

- Roots: Increases root development and establishment, accelerates bridging into native soils.
- Increases: bio-availability and uptake of nutrients, uniform crop ripening, and fruit brix
- More compact internodes
- More uniform flowering and bud set

We employ a four-stage process, leveraging the natural pathways of organic matter conversion.

1. Feedstock Mixing:

Selected dairy manure is de-watered and blended with small quantities of silage to constitute the sole input for composting.

- Manure is free of plant based pathogens
- Source of manure is a single farm, not multiple sources, promoting consistent results

2. Thermophilic Composting

The material is composted in oxygenated bins for three weeks. Temperatures are maintained at a range between 140°-170°F.

- Time and temperature regime meets and exceeds USDA/NOP requirements for pathogen reduction in compliance with O.M.R.I. standards
- Weed seeds are destroyed
- Proliferation of beneficial bacteria is supported

3. Vermicomposting

Heat-processed compost is allowed to cool before filling onto continuous-flow beds, populated with millions of compost earthworms (*Eisenia fetida*).

- The worm species consumes compost material and reproduces rapidly
- Fresh compost is layered on top
- Finished Vermicompost is auto-harvested from the bottom after about six weeks of worm work

4. Screening & Extract Production

Within our fully-enclosed processing facility, finished castings and worm-worked material are screened to a uniform particle size for consistent performance. Worm Power has developed a proprietary process that yields a high quality, consistent, and fully solubilized Liquid Extract ready for immediate application throughout the growing season.



Feedstock
Mixing



Thermophilic
Composting



Vermicomposting



Screening &
Extract Production



Tighter internodes for a more compact, sturdy plant.



Worm Power after 6 applications *Control*

Root Development



No Worm Power *Worm Power*

Drought Tolerance Trial (After 10 days with no water)