



TERRAPOD

Patented Technology

Enhancing the biological functionality of soil with
Terraforma's custom bioreactor



TERRAFORMA

Terraformasoil.com

Confidential

All Rights Reserved 2018-2025



TERRAPOD

Patented Technology

The TerraPod is Terraforma's keystone in improving soil's biological functionality. Located on site, the bioreactor cultivates microorganisms specific to your soils and climate. Terraforma monitors and controls the TerraPod remotely to ensure quality. When the TerraPod is ready, the microorganisms are extracted, delivering a high-quality microbial product to the client in a liquid form for soil or foliar applications.



- ✓ Customized: Soil Analytics allow Terraforma to design the TerraPod to target your soil's deficiencies
- ✓ Localized: TerraPod Microorganisms are cultivated on site, ensuring they are compatible in your soil and climate
- ✓ Active: TerraPod Microorganisms are never put into dormancy and are delivered fully active

Terraforma Monitors the TerraPod
Remotely for Quality Control



Terraforma trains clients on
TerraPod operation and usage



Terraforma provides guidance
for best results





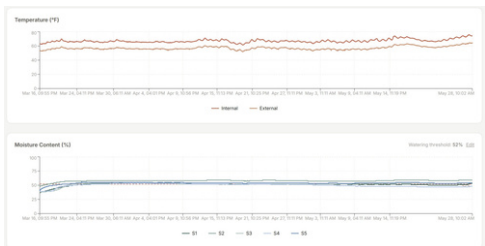
TerraPod 1
Finca San Cayetano

Sensor	Reading	Value
S4	Love	41%
S5	High	71%
S6	100%	100%
S3	Optimal	61%
S1	Optimal	51%
S2	Optimal	45%

Internal **90.0°F** External **-94.0°F** Jul 14, 12:30 PM

● All alerts resolved ▼ show

By selecting a TerraPod, the client is taken into a detailed breakdown of data showing historical trends, stocking dates, harvest dates, fan actuation, watering events, and can activate pumps manually for systems checks.

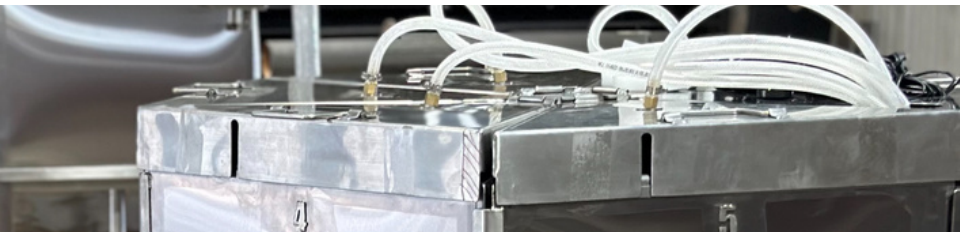




TERRAPOD

Patented Technology

What's Inside?



*Typically found in the TerraPod.
Results vary as each project is unique.



Bacteria

400+ species of beneficial and native species including:

Plant Growth Promoting Rhizobium

Bacillus aryabhattai, *Pseudomonas* sp.

Nitrogen Fixing and Oxidation

Azospira sp., *Azoacrus* sp., *Bradyrhizobium* sp.,
Mesorhizobium sp., *Nitrolancea* sp. (Nitrite
Oxidation) *Nitrosomonas* sp. (Ammonia
Oxidation), *Nitrospira* sp. (Nitrite Oxidation),
Paenibacillus sp.

Nutrient Solubilization (OM Degrading)

Actinomyces sp. (Degrades OM, Chitin, and Lignin)

Contaminant Degrading

Bacillus aryabhattai (glyphosate modifier),
Azoacrus sp., *Brevibacillus* sp., *Lysobacter* sp.
(heavy metal)

Pathogen Suppression/Biocontrol

Flavobacterium sp., *Lysinibacillus* sp., *Brevibacillus*
sp. *Paenibacillus* sp., *Streptomyces* sp.,
Pseudomonas sp.



Depending on the Crop, Terraforma will provide between 2,500 and 15,000 gallons of this high quality microbial solution tailored to your soil deficiencies and crop requirements.

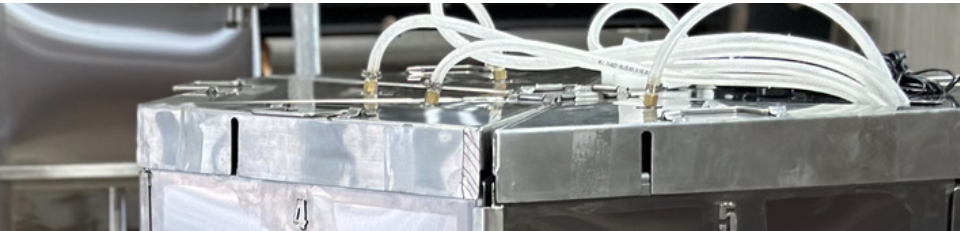




TERRAPOD

Patented Technology

What's Inside?



*Typically found in the TerraPod.
Results vary as each project is unique.



Fungi

150+ species of beneficial and native species including:

Plant Growth Promoting Rhizobium (PGPR)

Diversispora epigaea, Mortierella sp.

Nitrogen Fixing and Oxidation

Glomus sp., Rhizophagus sp., Piriformospora sp.

Nutrient Solubilization (OM Degrading)

Acremonium sp., Chrysosporium sp., Hypoxylon notatum, Mortierella sp.

Pathogen Suppression/Biocontrol

Acremonium sp., Beauvaria sp., Epicoccum nigrum, Metarhizium anisopliae, Myrothecium sp., Trichoderma harzianum, Purpureocillium lilacinum



Depending on the Crop, Terraforma will provide between 2,500 and 15,000 gallons of this high quality microbial solution tailored to your soil deficiencies and crop requirements.

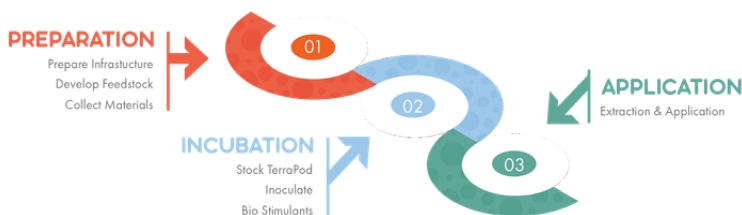




TERRAPOD

Patented Technology

How it Works



Our clients are trained to create or receive a customized feedstock recipe that is cultured with local microbes and then used to fill the TerraPod. The microbes grow within the TerraPod for a minimum of 2-months before the solid biomass can be extracted into a liquid biological product that is ready to apply.

Once in the soil, the diverse microbes within the extract begin to associate with plant roots, solubilize nutrients, and build soil structure. The microbes are local species that are never put into dormancy, so they can easily integrate into the soil and begin supporting plant growth. The microbes that are found in the TerraPod secrete hormones that encourage root growth and plant health. They also help to hold nutrients in the soil profile decreasing run-off and improving plant nutrient uptake.

As a community of beneficial microorganisms develops in the soil, disease pressure can be reduced through competition and predation creating optimal growth conditions for plants, leading to higher yields and healthier produce.





TERRAFORMA

Terraformasoil.com

Contact

+1 415-806-4535

info@terraformasoil.com

San Francisco, California

Denver, Colorado

Confidential

All rights reserved

Terraforma International Inc 2018-2025