



WORM CASTINGS TEA

WHERE MOTHER NATURE
GETS DOWN TO BUSINESS



What is Worm Castings Tea?

As we already know, our Worm Castings contain beneficial soil microorganisms. Our worm castings can be “brewed” in highly oxygenated water under conditions that are optimum for extraction and proliferation of the micro-organisms present in the castings. Soluble micronutrients and beneficial organic compounds from the Worm Castings are also extracted during the “brewing” process. When finished, this “Worm Castings Tea” is full of living microbes and beneficial plant-growth compounds that go right to work when applied to your crop as a foliar spray or soil drench.

Benefits of using Worm Castings Tea:

- For setting blossoms, blooms or development of fruit and vegetables.
- Quick recovery from lack of moisture, damage from wind & poor foliage color.
- Increased nutrient source when roots can not provide enough nutrients for maximum yields.
- Better use of water and soil to deliver needed nutrients and nourishment to plants throughout their life cycle
- Improves plants' resistance to pests and disease
- Absolutely no toxins, pesticides, or synthetic chemicals to harm plants, or contaminate the water supply or environment in any way.
- Safe around children, animals, and homes

There is evidence that Worm Castings Tea will cure tomato blight and leaf curl on fruit trees. It can also be a safe alternative to conventional fertilizers used in areas such as schools, municipal parks and playgrounds. Many of these products are perceived as unfriendly to the ecosystem and are now, or will soon be banned because of the dangers they pose.

Methods of Use:***Foliar Spray***

Worm Castings Tea foliar spray is used as a means of enriching minor and major nutrients, plant hormones, stimulants, and other beneficial substances. Benefits of this foliar spray include yield increases, resistance to diseases and insect pests, improved drought tolerance, and enhanced crop quality.

Foliar applications are often timed to coincide with specific vegetative or fruiting stages of growth. Applications may also be used to aid plants in recovery from transplant shock, hail damage, or the results of other weather extremes.

Soil Drench

When applied as a drench, Worm Castings Tea will enrich soil structure. The microorganisms found in organic teas excrete organic gums and resins that, together with fungal hyphae, bind soil particles into structural aggregates, improving both soil structure and water-holding capacity.

How to apply it?

Plan ahead – it is important that you apply the tea the SAME DAY that you purchase it because the tea will become less oxygenated over time. Remember, the tea is alive!

- Use the Worm Castings Tea as a foliar (spray on the leaves); apply in the morning or early evening to limit the damaging effects of UV rays on the microorganisms.
- For larger areas like lawns, use water on the area either immediately before or after so the microbes can easily move down into the soil.
- Spray Worm Castings Tea as it is or with equal volume of water on indoor and garden plants
- Apply the Worm Castings Tea by pouring directly on the soil as a soil drench.

Application Types:***Lawns***

Grass can be sprayed with Worm Castings tea using a pump sprayer. The best time for application is as the grass starts to green up in the spring and once a month throughout the growing season.

Perennial shrubs and trees

Soak the ground with Worm Castings Tea as they break from dormancy in the spring as well as during vigorous early summer growth, flowering, and fruit set.

Garden Plants

Regular applications of Worm Castings Tea throughout the growing season will improve tilth and aeration of depleted soils. Plants in garden soil benefit from direct soil application or foliar spray at critical growing points such as the vigorous growth stage in early summer, flowering, and fruit set. This effect will be enhanced with periodic applications of solid Worm Castings.

Houseplants and Container Plants

Potted plants really love Worm Castings Tea! They often struggle to grow because they are left in the same sterile planting mix for many years.

How do you make it?

When prepared properly, Worm Castings Tea is virtually odourless. In the last few years, research in the soil food web has led to the development of Worm Castings Tea brewers.

Worm Castings Tea is brewed using Worm Castings as a starter and then water is added. A pump with special nozzles is then used to oxygenate the mixture over a 22-24 hour period. The microbes are increased exponentially and the mixture, with a shelf life of 70 hours, can be sprayed on lawns, flowers, vegetables, and trees with complete safety.

Worm Castings Tea Report

BBC Laboratories, Inc.

PARAMETER	ENUMERATION	SPECIES RICHNESS DIVERSITY (SRD) ¹
Heterotrophic Plate Count (aerobic)	2.6 x 10 ⁶ CFU/ml	1.4
Anaerobic Bacteria	3.0 x 10 ⁴ CFU/ml	0.0
Yeast and Molds	1.3 x 10 ³ CFU/ml Yeast = 2 x 10 ²	1.0
Actinomycetes	4.7 x 10 ⁴ CFU/ml	0.9
Pseudomonads	7.3 x 10 ⁴ CFU/ml	2.1
Nitrogen-Fixing Bacteria	5.0 x 10 ³ CFU/ml	0.5
Total Species Richness Diversity (SRDT)²	-----	5.9

CFU/ml – Colony Forming Units/ milliliter sample

Any results reported as "<" is below the detection limits for that analysis

1. The species richness diversity index is derived by weighting the variety of species within a functional group (species richness) from a normalized analysis against the total number of microorganisms associated with that functional group.
2. The total species richness diversity index (SRDT) is the sum of the individual SRD's for the six functional groups

SUGGESTED APPLICATION RATES

Worm Castings Tea is not just a great source of nutrients for your lawn and garden – it is also alive, containing a variety of beneficial bacteria and fungi that help to improve the soil and thus improve your plants.

Worm Castings Tea has been shown to deter plant diseases and destructive fungi when used as a foliar feed.

Directions for General Use:

Mix 1 part of Worm Castings Tea with 5 parts water that has been aired for 30 minutes to release chlorine. Worm Castings Tea can also be applied at full strength.

Note: Mix rate is based on minimum Tea volume requirement. Applying Worm Castings Tea full strength will not harm or burn your plant, and is recommended when trying to re-establish soil health as a Soil Drench.

For best results use every 2-4 weeks.

Foliar Spray

Indoor and outdoor plants, shrubs, trees and lawns

- Using a pressurized sprayer or spray bottle, apply to leaves both top and bottom until dripping.
- Apply in the early morning or evening for best results (once per week for indoor application).

Soil Drench

Indoor and outdoor plants, shrubs, trees and lawns

- Use watering can to drench soil, using normal watering techniques and soaking the root zone of the plant (once per week for indoor application).

Turf Areas

Water turf before application of Worm Castings Tea. May be applied with pressure sprayer or watering can.

General Coverage Guide for Turf with Pressure Sprayer 4L Jug:

- Diluted as recommended, will cover approximately 10,000 Square Feet
- Full strength will cover approximately 1,700 Square Feet

This is just a general guide and depends on dilution and application of user.

Note: Since Worm Castings Tea is an active liquid containing live beneficial organisms, it is recommended that it be used within 24 hours of its brew date for best results.