

Greenleaf Farms Pure Organic Worm Casting are an excellent all natural plant food that comes to you directly from Mother Nature in their purest form. For millions of years the incredible earthworm has been one of nature's greatest producers of readily available plant food. When used in greater concentrations than found in nature, this odorless, non-burning, long lasting organic fertilizer can provide remarkable benefits such as:

- **Vigorous Plant Growth - Beneficial Microbes Improve Nutrient Uptake**
- **Fibrous Root System**
- **Improved Aeration of Soil**
- **Family Owned – Produced Locally in Central Pa**
- **Not Harmful for People or Pets**

Directions For Use – Home Growers:

Vegetables and Annual Flowers

Line bottom and sides of plant holes and seed furrows with 1"-2" of Greenleaf Farms Worm Castings. Set seeds or plants in place and cover with soil. Side dress during growing seasons at a rate of 1/2 cup per plant or 1 cup per linear foot of row once every 2 months. **Transplant:** Place 1/2 handful into hole. Add plant and fill hole with soil. **Established:** Use 10-20lbs per 1,000 sq.ft. Sprinkle on soil near plant and water.

Perennials

Work 1/2 cup Greenleaf Farms Worm Castings into the soil above their root zone taking care not to damage shallow roots. Apply in spring, early summer and early fall. See below if applying as a tea mixture.

Potted Plants and Seeds/Seed Flats – New

Potting mix-use 1 part Greenleaf Farms Worm Castings to 4 parts soil. **Established** – Add 1" of Greenleaf Farms Worm Castings to top of soil. Mix in taking care not to damage shallow roots – water – repeat every 2-3 months. See below if applying as a tea mixture.

Roses, Trees, Shrubs and Berries – New or freshly transplanted

Mix 1 part Greenleaf Farms Worm Castings to 3 parts soil. Surround newly dug hole with mixture.

Established: Use 2lbs per inch of tree trunk diameter. Spread evenly over tree root area and water. See below if applying as a tea mixture.

Lawns – New

Apply 20-30 lbs. per 1000 sq. ft. Work lightly into the topsoil. Mix in grass seed and water well.

Established: Distribute 15-20lbs per 1000 sq. ft. as a top dressing. Add 2-3 times per year.

Worm Casting Tea

Soak 1 part castings in 3 parts water for 12-24 hours. Stir well and water as usual. Casting tea is excellent for fruiting, flowering or difficult to access potted plants. Aerate if possible. Best when used within 24 hours.

Compost Piles

Spread a thin layer of Greenleaf Farms Worm Castings between each new layer of material to be composted.

What Are Earthworm Castings? Greenleaf Farm Pure Organic Earthworm Castings is an all-purpose natural fertilizer that comes to you straight from nature with no alterations whatsoever. Our cultured nightcrawlers are fed a very rich organic material which contains a wide variety of minerals and trace elements. The earthworms digest this material and in its' passage through the worm, it is beneficially altered both chemically and physically. The final product is "super humus" an extremely fertile organic fertilizer properly conditioned for best root growth, containing in rich proportion and water-soluble form, all the elements required of the earth's soil for optimum plant nutrition. Earthworm castings can provide performance above and beyond that of conventional fertilization methods for all plants. At the same time, it is completely safe for all plants, pets and people in any concentration.

Why Do They Work So Well? Greenleaf Farm Pure Organic Earthworm castings contain rich proportions of water-soluble nutrients and allow plants to quickly and easily absorb all essential nutrients and trace elements. This is possible because the worm grinds and uniformly mixes the nutrients and trace elements in simple forms, so plants need only minimal effort to obtain them. This is not the case with most other natural fertilizers. Another point in favor of Greenleaf Farms Pure Organic Earthworm Castings is the high concentration of beneficial bacteria and microbes added to them by the earthworm in the digestive process. These microscopic creatures help different elements of the soil work in conjunction with each other to create healthy, working soil that provides the best possible atmosphere for optimum growth. The simple fact is that Earthworm Castings were created by nature for the purpose of promoting optimum plant growth and everything required to provide it is found in them. When you concentrate this odorless, non-burning miracle of nature in greater concentrations than usually found in nature, the results are truly spectacular.

How do I use them? Easy to follow Directions for Use for Home Growers have been provided with this flyer and on our website at www.greenleaf-farm.com. You can also call Scott Greenleaf - (814)441-4967 or email BSCOTTG@COMCAST.NET.

What are the packaging options? Multiple packaging options available. We offer 1, 2, 4,10, and 30 lbs poly bags. The smaller bags are resealable.

How much should I purchase? For houseplants start with a 1,2 or 4lb. bag. Scratch a cup of pure castings into the top layer of each plant without damaging the roots and water as normal. Repeat monthly. Give your houseplants a boost. For standard and raised bed gardens buy in larger quantities to match the size of your garden. If you are working with good soil you will need less castings. Top dress with ½" of castings and use a cupful in each transplant hole. Water as normal. Repeat top dress every 2-3 months.

What is nutrient analysis?

GUARANTEED ANALYSIS

DRY BASIS RESULT

Total Nitrogen (N)	1.97%
Phosphorus (P ₂ O ₅)	0.42%
Potassium (K ₂ O)	0.51%
Calcium (Ca)	7.20%
Magnesium (Mg)	1.00%
Copper (Cu)	22.02 mg/kg
Iron (Fe)	10335.58 mg/kg
Zinc (Zn)	159.23 mg/kg
Molybdenum (Mo)	2.5 mg/kg
Nickel (Ni)	10.0 mg/kg
Selenium (Se)	2.6 mg/kg

While worm castings offer a wide range of nutrients, they may not provide sufficient quantities of specific nutrients required by certain plants or in particular soil conditions. In such cases, supplemental fertilizers might be necessary to meet the plants' nutritional needs.

