

What's In WORMGOLD®?

WORMGOLD®, Pure Worm Castings are 100% material that has been vermiculture processed. The feeding beds start at 10 inches deep. Each bed is 12 feet wide and 600 feet long. At the date of this writing, the production beds extend for three (3) miles giving a production capacity of 50,000 tons per year.

The worms used for the vermiculture processing are the small red earthworms. The scientific name is "eisenia foetida". The worms will eat anything, which has been living, including paper, food waste, landscape trimmings, etc. The worms eat from 50%-75% of their body weight every day, so 2,000 pounds of worms will eat from one to one and a half thousand pounds of feed every day.

The WORMGOLD® facility feeds landscape trimmings that have been allowed to cure for at least 60 days. This curing process allows the landscape trimmings break down while the heat produced destroys any weed seeds or bermuda grass. After the trimmings have cured, the small particles are then screened for worm feed. Each bed is fed four inches of feed every week. The beds are watered, as needed which can be twice per day in the summer and every few days during the rainy season. The worms consume all of the feed that is small enough to ingest. The thickness of the feed shrinks from four inches down to less than an inch. When the beds are over three feet tall, the top ten inches are removed to start new beds. If the worm population needs to be increased, the worm layer is divided into two beds. The reason ten inches are removed is that the adult worms, baby worms and worm egg capsules are contained in the top six inches. This assures all of the worm population is kept on the farm working and not delivered with bags of WORMGOLD®.

The remaining material in the beds is all material, which has been processed by the worms and particles, which were too large for the worms to consume. This material is removed from the bed area and allowed to air dry from over 80% moisture content to less than 30%. The 30% moisture level is needed to allow screening. The bed material is then screened to 1/8 inch. This produces the final WORMGOLD® product. A small percentage of the final WORMGOLD® product is made up of particles smaller than the 1/8 inch holes in the screen but too large for the worm to consume. Nothing is added.

Most worm castings are sold mixed with compost. Few companies sell these mixes with more than 1% worm castings. WORMGOLD®, Pure Worm Castings, are not mixed with compost, soil, or anything else, but sold in the pure condition as taken from the beds with screening as the only process.

Improved Growth with Worm Castings - The fact that plants will show dramatically improved growth with the use of worm castings has been known for over 100 years. Flowers grow bigger with brighter colors, vegetables grow larger and far better tasting, orchards produce far more fruit and nuts with better taste, and vineyards produce far more fruit that makes higher quality wine. All applications where worm castings are used give far improved plant growth.

General Usage Instructions - WORMGOLD®, Pure Worm Castings contain all of the microbiological colonies for healthy soil. Pure Worm Castings have over 10,000 separate biological organisms needed for healthy soil. These colonies are the engines, which convert fertilizer so that plants can use it. Without these colonies, plants will not grow.

Research by Ohio State University has shown the optimum mix of WORMGOLD®, Pure Worm Castings to be 10%-20%. This ratio equals a 1 – 2 cm (1/2"-1") layer.

New Plants in Pots - Mix 10% WORMGOLD® with any potting soil, and then add a 1 cm (1/2") layer on top before planting.

Plants already in Pots - Scratch the top of soil. Add 1 – 2 cm (1/2 " -1") layer of WORMGOLD® Pure Worm Castings. Add a layer of compost on top. The layer of compost will hold moisture. Water through. If insufficient room is available, remove a portion of the soil before adding the layer. Be cautious about damaging the top layer feeder roots.

New Gardens or Flower Beds - Add a 1 cm (1/2 ") layer of WORMGOLD® Pure Worm Castings and work into the top of the soil. Then add another 1 cm (1/2") layer around new plants or on top of the soil where new seeds have been planted. The WORMGOLD® is needed where the plant roots will be located. Areas between the rows do not require WORMGOLD®

Existing Outdoor Plants - Rake the top of the soil. Add a 2 cm (1") layer of WORMGOLD® to the base of plants sufficient to cover the root pattern. Cover with a 2 cm (1") layer of compost. Water through.

Sick Plants - In most cases sick plants will quickly show positive results. WORMGOLD® provides the necessary means for plants to get the missing elements needed. Add a 2 cm (1") layer of WORMGOLD® Pure Worm Castings to the soil of any sick plant for positive results. Cover with a 4 cm (2") layer of compost. Water through.

Compost - A large selection of quality-cured compost is available. Be cautious to not use any "nitrilized" compost products. These are produced by adding anhydrous ammonia to composting products. "Nitrilized" composts are toxic and will damage the viability of the WORMGOLD®.

100% Organic and Nontoxic - WORMGOLD® Pure Worm Castings are the feces from earthworms and are produced when earthworms are fed landscape trimmings. The process by the earthworms eliminates pathogens. Pure Worm Castings are nontoxic, nonpoisonous, and safe to handle.

Won't Burn - WORMGOLD® Pure Worm Castings do not contain the salts found in chemical fertilizers that will burn a plant. Pure Worm Castings will not burn plants.

Caution - WORMGOLD® Pure Worm Castings contain living biological organisms. These can be killed with the use of chemical pesticides, fungicides, and herbicides. In most cases, these chemicals will no longer be needed with the use of Pure Worm Castings. If they are needed, use them vary lightly to limit the damage to the soil biology.