

Who Are We?

CSRplus VERMICAST INDUSTRIES INC. is committed to returning waste organic matter back to the land as a top quality growth substrate (worm castings) for a wide range of agricultural applications, including organic crop production in greenhouses, urban agriculture, green roofs, or the field.

We support sustainable, environmentally safe, organic waste management through the design, building and operation of turn-key industrial scale applications of vermicasting to a wide range of urban and agricultural waste streams.

CSRplus Vermicast Industries technology produces a consistent supply of top quality worm castings at an affordable price, all year long. We're a wholly Canadian owned and operated company with head offices in Calgary, Alberta, and operating throughout North America.

THE IMPORTANCE OF SOIL

Healthy high quality soils are the key to a sustainable environment and our own quality of living.



Worm castings can "turbo-charge" the soil allowing plants to get off to a quick, well-nourished start.

- Worm Castings hold 5 to 9 times the amount of water as top soil
- Accelerates the germination of seeds
- Contains slow release nitrogen
- 30+ trace minerals
- Increases the biodiversity of the soil

Vermicasting - What is it?

Vermicasting – the production of Worm Castings is quite simply Mother Nature's soil enhancement process of choice. Worm's digest organic compost material and 'produce' a humus-like output which includes an almost complete range of nutrient and microbial life for supporting the health and growth of plant life.

Nothing matches worm power in turning organic compost matter into the most natural soil enrichment available.

And most importantly, it's environmentally friendly, all natural, easy to use, and safe to handle, with a pleasant earthy aroma.

What does it do?

Castings increase soil health by providing a natural source of organic matter with high nutrient and moisture holding capacity.

The addition of active, slow release microbial life to the soil supports the natural development of tender plant roots with valuable and needed nutrient and trace minerals.

Naturally produced organic matter improves soil appearance, texture, water retention and drought resistance. Castings contain no toxins and doesn't contaminate ground water. Increased oxygen flow to the root zone improves drainage and encourages root growth.

Why is it better?

Worm castings contain a more diverse microbial population. These micro-organisms enhance soil fertility by mineralizing complex substances into plant-available nutrients.

Bacteria in the worm's digestive system synthesizes a whole series of biologically active substances, including plant growth regulators.

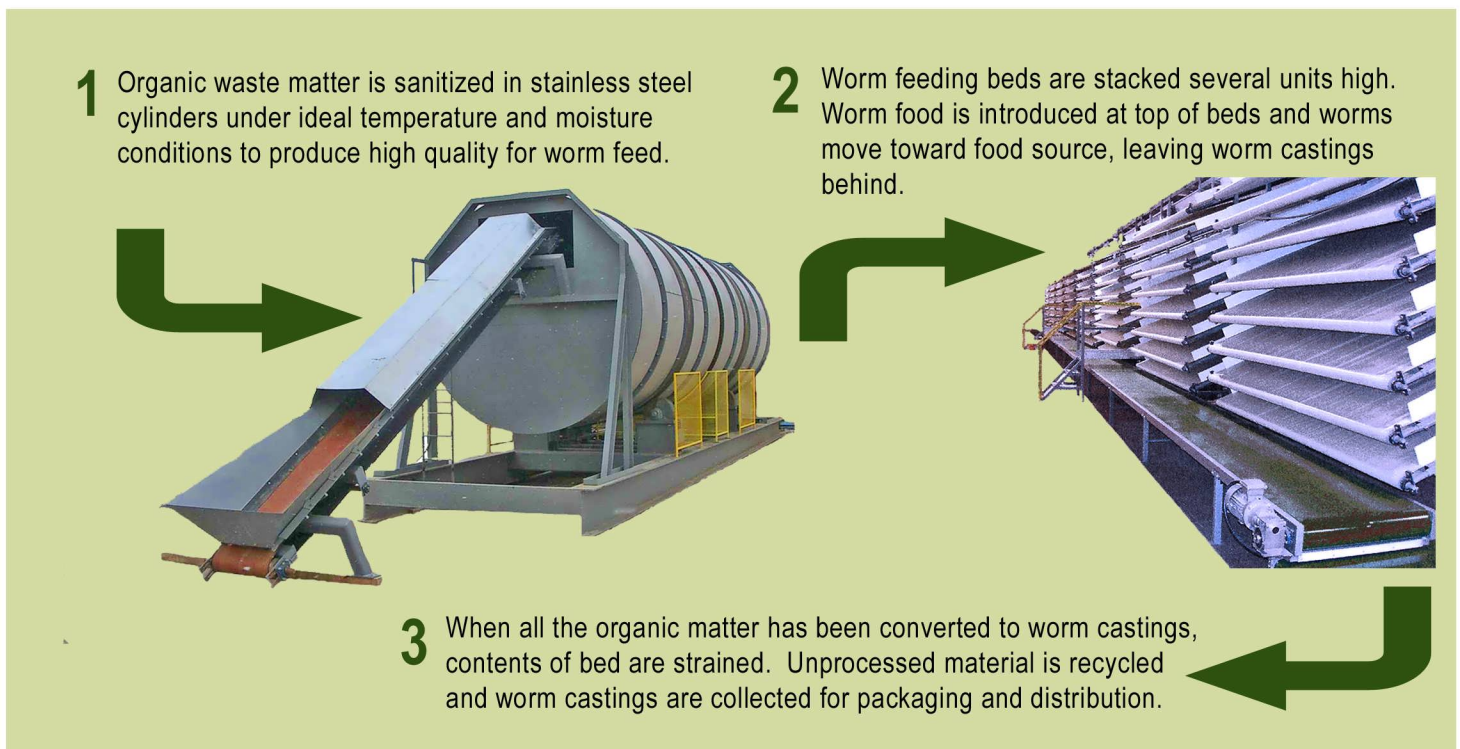
Castings contain up to 5 times the plant-available nutrients found in average potting soil.

Unlike other potting soil mediums, nutrients in castings are water soluble and immediately available to plants.

What makes us different?

- CSRplus Vermicast Industries offers a commercially unique, state-of-the art, quality controlled waste reduction–soil amendment manufacturing process. Our process and equipment are designed to quickly and effectively produce top quality worm castings from a wide range of waste streams including: vegetables; sewage sludge at 20% solids; septage; and mortalities. The system works on a continuous flow basis and in less than 20 days throughput time produces a high quality product that will meet all government and industry standards.
- The front-end “In-vessel” rotary composting system processes organic material aerobically without producing offensive odours. Unlike “open” windrow systems, in-vessel processing excludes air, earth and pest-introduced contaminants like weed seeds and bird droppings. To save on building costs the in-vessel composters are designed to be housed out of doors.
- The specially designed worm beds are housed indoors in a closed, temperature-controlled, contaminant-free environment. We produce a consistent supply of top quality worm castings for a full range of market applications at an affordable price, all year long. The plant design and building configuration are fully scalable processing from 10–100+ tons of waste per day with daily production yields from 20-30% in worm castings.

Three steps for reclaiming organic matter:



Our Design-Build-Operate solutions provide all of the required engineering, site selection support, LEEDS building design, construction, processing equipment, installation, and training required to quickly and safely recycle high volume waste organic matter from a range of municipal, agricultural and industrial sources. We provide the professional, technical and management resources required for addressing the unique needs of individual municipalities, industries and agricultural operations. Our team includes experts in municipal waste management, soil sciences, engineering, vermiculture, composting and management sciences.

Worm Casting Applications include:

Vineyards	Organic Farming
Green Roofs	Organic Turf Care
Golf Courses	Land Reclamation
Green Houses	Organic Soil Replacement

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