



VermaPlex™ & Black Castings™
Natural Organic Plant Food produced by Earthworms
<http://www.prairiesedgeorganics.com/>

Black Castings™

1.0– 0.5 – 0.2

**Mother Nature's Purest Form of Slow Release
Natural Organic Plant food produced by Earthworms**
Manufactured indoors in climate controlled facilities by a patented process.

Guaranteed 100% Odor Free
Add to create a healthy living soil out of sterile potting soil

**Enhance either chemical or organic fertilizers
Help invigorate sick plants
Keep the soil healthy after applying chemicals
Earthworm castings won't burn plants - a little goes a long way**

What are Earthworm Castings?

- * 100% Pure Organic Worm Castings = 100% Natural and Organic
- * Naturally biologically-active soil health supplements
- * Teeming with beneficial microorganisms, enzymes, and bioactive substances
- * Natural, safe, and odorless
- Special high quality organic fertilizer high in minerals

How do Earthworm Castings work?

- * Stimulation of natural activity of beneficial soil microorganisms
- * Promotion of enzyme activity and natural plant growth regulators
- Regulates the availability of essential plant nutrients and enhance fertilizers

What will Earthworm Castings do for plants?

- * Naturally improve plant health and appearance
- * Invigorate and rejuvenate potted plants and perennials
- * Enhance germination and early growth of seedlings and cuttings
- * Stimulate root growth, plant development, and flowering
- * Improves fruit set and quality
- * Suppress fungal diseases (phythium, fusarium, dollar spot, etc)
- * Reduce algae in greenhouse and ponds, lagoons – no nitrogen run-off
- * May be applied to phosphate sensitive areas
- * Reduce irrigation cost up to 50%
- * Increases drought resistance
- * Not toxic - No ground water contamination



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Why Black Castings? The science and the facts.....

Earthworm castings do some pretty remarkable things in the soil:

- * Regulate the ability of essential plant nutrients and enhance fertilizers
- * Promote a diverse and active community of beneficial microorganisms in the soil
- * Teeming with beneficial enzymes, microorganisms, humic acids, and other growth factors.
- * Provide an organic energy source for biological activity in the soil.
- * Stimulate root system development and activity
- Promote plant health, stress tolerance, pest and disease resistant.

What microbes are found in each tiny worm cast?

The family of microbes contained in **each tiny cast** are all compatible with one another, neatly wrapped in a calcium coating produced by the worm's calciferous gland. Various thicknesses of this coating make for a great sustained release organic fertilizer.

Phototropic bacteria synthesizes useful substances from secretions of roots, organic matter or harmful gases by using sunlight and heat from the soil as energy sources.

Lactic acid bacteria produces lactic acid from sugars of other carbohydrates produced by phototropic by phototropic bacteria and yeast. The occurrence of nematodes gradually disappears as the lactic acid suppresses the propagation and functions of fusarium.

Yeast synthesizes antimicrobial and useful substances for plant growth from amino acids and sugars secreted by phototropic bacteria.

Actinomycetes structures is intermediate to that of bacteria and fungus. These antimicrobial substances suppress harmful fungi and bacteria, but coexist with the phototrobes.

Fermenting fungi such as Aspergillums and Penicillium decompose organic matter rapidly to produce alcohol, esters, and antimicrobial substances, suppressing odors, harmful insects, and maggots.

Visit our website to learn more - <http://www.prairiesedgeorganics.com/>