



VermaPlex™ & Black Castings™

Natural Organic Plant Food produced by Earthworms

<http://www.prairiesedgeorganics.com/>



Worms at Work

Red wigglers fed an all natural vegetarian grain diet

Worm locations in North Carolina and Illinois

New Vermi-Central production and research facility
coming soon to Charlotte, NC



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Mother Nature's Purest

form of slow release NATURAL ORGANIC

plant food produced by earthworms

OMRI
Listed

BLACK CASTINGS (1-0.5-0.2)

ALL NATURAL ORGANIC PLANT FOOD



LAWNS, TURF,
TREES & SHRUBS



FRUITS



GARDENING &
HOUSEPLANTS



VEGETABLES

ALL NATURAL ORGANIC PLANT FOOD

ALL PURPOSE

INDOOR/OUTDOOR

Environmentally friendly ~ Does NOT burn
Promotes vigorous root growth ~ Increases root growth
Reduces watering requirements ~ Promotes greater root systems

ODOR
FREE

Net Wt. 5 lbs.

Black Castings™ Front Label



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<https://www.vermitechnology.com/>

OMRI™
Listed

VTU's Black Castings™

ALL NATURAL ORGANIC FERTILIZER

A Little Goes A Long Way! Mother Nature's Finest Worm Castings provides the essential NPK. Bio-humus provides organic matter (humate) which retains water, and the humic acid may enhance soil nutrient availability. It is fantastic!

Guaranteed Analysis:

Total Nitrogen (N)	1.0%
0.1% Water Soluble Nitrogen	
0.9% Water Insoluble Nitrogen	
Available Phosphate (P205)	0.5%
Soluble Potash (K2O)	0.2%
Calcium (Ca)	1.0%
Total Iron	0.02%
Derived From: Worm Castings	
0.9% Slow Release Nitrogen	
#F1408	

Non-Plant Food Ingredients:

Humic Acid	0.02%
Derived From: Humate	

Directions for Use:

Root Crops:

Layer 1 to 2 inches of Worm Castings in bottom and sides of the seed furrows and plant holes. Set seeds or plants in place and cover with soil. In 4 to 6 weeks side dress with 1/8 inch of castings.

All Types Tomatoes, Peppers, Eggplants, Beans, Cucumbers & Melons:

Mix 1 part Earthworm castings to 4 parts of soil. Line newly dug hole with mixture, place plant in hole and cover. Top dress each plant or hill with 1/4 cup of pure castings after budding. Water and repeat every two months.

Potted Plants & Planter Boxes:

Add 1/2 to 1 inch of Earthworm Castings to surface of the soil. Water and repeat every 3 to 4 months.

Compost Bins:

Spread a thin layer of Earthworm Castings between each layer of compost material.

VTU's pure worm castings is an excellent all-natural plant food when used as directed. Mother Nature's all-natural organic fertilizer provides remarkable benefits such as:

- All-Natural Fertilizer
- Increased yields
- Reduces transplant shock
- Reduces germination time
- Vigorous plant growth
- Larger flowers

Roses, Shrubs & Trees:

New or Transplanted - Mix 1 part Earthworm Castings to 2 parts compost or organic peat. Surround the newly dug hole with mixture, spread roots over mound of mixture in the hole. Cover & water well to eliminate air pockets.

Established Roses & Shrubs -- Mix 4 cups of earthworm castings into the surface of each plant & cover with mulch.

Established Tree -- Use 2 cups of earthworm castings for each 1 inch diameter of the tree. Top dress from the trunk to drip line, cover with mulch or compost & water.

Lawns (established) -- Top dress with 5 lbs. per 100 sq. ft. and water well.

Lawns (new) Great for seed and sod

Use 10 lb. per 100 sq. ft. Broadcast seed into seedbed, rake in and water. Use 1/8 inch earthworm castings to sod bed surface, apply sod and watch it grow.

Worm Casting Tea:

Add 1 cup to gallon of water and let steep for 24 hours. Shake well and water as usual. The clear liquid may be used as a foliar spray as needed.

VTU'S BLACK CASTINGS CONTAIN
MICRONUTRIENTS AND LIVING SOIL
MICROORGANISMS THAT HELP TO MAKE
THIS SUCH A FANTASTIC ORGANIC
PLANT FOOD.



ORGANIC FERTILIZER

Black Castings™ Back Label



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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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Black Castings™

1.0– 0.5 – 0.2

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/>



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Derived From PURE BLACK CASTINGS™
Plant Probiotic and Soil Inoculant
Made from Natural Products

ORGANIC MICROBIAL SOIL INOCULANT

VermaPlex™

ALL NATURAL SOIL AMENDMENT



**Orchards &
Vineyards**



**Agriculture
& Turf**



**Lawns, Gardens
& Nurseries**

CONTAINS LIQUID HUMATE, YUCCA, SOLUBLE SEA KELP, & AMINO ACIDS

Enhances Plant Growth, Flowering, and Fruit Production

LIQUID CONCENTRATE - Will not burn or damage plants from direct contact!

VermaPlex™ Front Label



Microbial Soil Inoculant

Guaranteed Analysis

Total Nitrogen (N).....	<0.01%
Available Phosphate (as P ₂ O ₆).....	<0.1%
Soluble Potash (K ₂ O).....	<0.23%
Humic Acid.....	<0.01%

NOT FOR HUMAN CONSUMPTION - DO NOT FREEZE

This product is packaged by volume. To determine weight, calculate at 8.38 lbs per gallon (1.00 kg per liter).

DIRECTIONS FOR USE		
Spray...	...foliage and soil surface around plants. ...lawn & shrubs after each cutting.	Mix 4 oz. VermaPlex to 1 gallon of water (1:20 to 1:40 ratio)
Drench...	...with each watering or as needed. ...after surface dressing of Black Castings™ .	Mix 2 oz. VermaPlex to 1 gallon of water (1:50 to 1:80 ratio)
Special Applications	Dip roots of all transplants before planting. Paint large cut areas to inoculate. Apply to compost to increase microbial activity.	Use straight or mix 8 oz. VermaPlex to 1 gallon of water (1:0 to 1:15)

**FOR MORE INFORMATION ON HOW TO OBTAIN
VermaPlex™ OR Black Castings™ CONTACT:**

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