What is Humus? Humus is the most important part of the soil. It is decomposed organic matter that has been transformed into rich earth, by worms and other microbes in the soil. It is the BUILDING BLOCK and foundation of healthy soil. Essential Organics™ Premium Worm Castings are pure humus enriched with beneficial microbes, nutrients and biostimulants. ADD THEM TO YOUR GARDEN FOR THE HEALTHIEST SOIL.

Use Essential Organics™ Worm Castings for

- Increasing soil humus and organic matter
- Adding plant available nutrients including Calcium
- Adding beneficial microbes to the soil
- Increasing soil water holding capacity
- Reducing plant and soil diseases
- Reducing transplant stress
- Increasing root and plant health

Key Benefits

Creates stronger, healthier root and plant growth by:

- Adding humus, the building block of healthy soil
- Improving soil aeration and water holding capacity
- Increasing root mass and function
- Providing billions of microorganisms vital for soil fertility
- Reducing plant diseases on the plant and in the soil
- Providing vital enzymes and biostimulants into the soil and root zone

If you have clay-based soil:

- Creates tilthy and easy to work soil
- Soil becomes more friable and less prone to compaction

If you have a sandy soil:

- Improves soil structure and increases humus content
- Improves moisture and nutrient retention

Additional Reported Benefits for Turf and Horticulture:

- Reduced fertilizer and pesticide requirements
- Reduced water requirements
- Improved public perception – does not contain chemicals
- Less maintenance of potted plants
- Reduced need for fertilizers and pesticides
Application

New Garden Beds

1. Spread Essential Organics™ Premium Worm Castings over the existing soil surface 20-50mm deep
2. Work into the soil with a fork or spade to a depth of 100-200mm
3. Water in thoroughly when finished
4. Plant as normal
5. Mulch the new surface to lock in moisture

Handy hint: For clay soils, add gypsum at a rate of 1kg per m² at the time of application.

Existing Garden Beds

- Apply an even coat of Essential Organics™ Premium Worm Castings over the surface of the soil (20L / 100sq.ft.)
- Gently mulch into the top 100 - 200mm of soil
- Water in thoroughly when finished

For Transplanting

- Dig a hole for transplant
- Place a 150ml of Essential Organics™ Premium Worm Castings into the transplant hole
- Plant, cover and water in

Topdressing Turf Application

- Spread Essential Organics™ Premium Worm Castings over turf at a rate of 20L / 100m²
- Spread as evenly as possible
- Water in well allowing microbes and nutrients to filter into the soil

Where to Buy

Online: www.ecotea.ca
Email: dale@overtonee.ca
Office: 1-204-417-4122

Please contact us for a list of distributors in your area
Safe around kids and pets
No chemicals or waste products used

Typical Analysis

<table>
<thead>
<tr>
<th></th>
<th>%</th>
<th>kg/m²</th>
</tr>
</thead>
<tbody>
<tr>
<td>Organic Carbon</td>
<td>9 - 13%</td>
<td></td>
</tr>
<tr>
<td>Organic Matter</td>
<td>45 - 55%</td>
<td></td>
</tr>
<tr>
<td>C/N Ratio</td>
<td>20:1</td>
<td></td>
</tr>
<tr>
<td>pH</td>
<td>7</td>
<td></td>
</tr>
<tr>
<td>Bulk density</td>
<td>0.7 - 0.9 tonne/m³</td>
<td></td>
</tr>
<tr>
<td>Soluble Phosphorous</td>
<td>0.01 mg/L</td>
<td></td>
</tr>
</tbody>
</table>

Nutrient Availability

<table>
<thead>
<tr>
<th>Nutrient</th>
<th>%</th>
<th>kg/m²</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nitrogen (N)</td>
<td>1 - 1.2%</td>
<td>3 - 5</td>
</tr>
<tr>
<td>Phosphorous (P)</td>
<td>0.1 - 0.3%</td>
<td>0.7 - 1.0</td>
</tr>
<tr>
<td>Potassium (K)</td>
<td>0.4 - 0.6%</td>
<td>1.1 - 1.7</td>
</tr>
<tr>
<td>Calcium (Ca)</td>
<td>3 - 5%</td>
<td>18 - 30</td>
</tr>
</tbody>
</table>

Contains billions of plant beneficial bacteria and fungi

Nutrient Availability

Essential Organics™ Premium Worm Castings is a soil conditioner and fertilizer. It also introduces the right kind of microbes for the healthiest and most productive plants and soil.

Water Holding Capacity

Essential Organics™ Premium Worm Castings has the capacity to store more water in the soil, than soil without it. Increasing your soil’s water holding capacity can reduce plant stress due to heat and evaporation during warm/hot periods.

Soil Biotostimulation

Essential Organics™ Premium Worm Castings contains many enzymes, biostimulants and plant growth promoting compounds not found in any other products.