

# MICROZYME™ COMPOST-DE-THATCH

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## COMPOSTING / DETHATCHING MICROBIAL PRODUCT

DESCRIPTION	<p>Microzyme™ Compost-De-Thatch is a dry blend of naturally-occurring, scientifically selected microbes, enzymes and nutrients designed to accelerate the composting and dethatching process. It is a unique combination of mesophilic and thermophilic bacteria, molds and yeasts, consisting of at least six types of microbial cultures, which all occur naturally in soil and compost, but in small numbers.</p> <p>Microzyme™ Compost-De-Thatch is harmless to humans, animals, birds, and plants, and is biodegradable.</p>
PROPERTIES	<p>Microzyme™ Compost-De-Thatch microbial cultures actively grow at temperatures of 25-45°C, (77-113°F), and produce various enzymes needed for the composting process, including: (1) Amylase to digest starch, (2) Protease to digest proteins, (3) Cellulase to digest cellulose, (4) Ligninase to break down lignin, (5) Xylanase to break down xylan, (6) Pectinase to degrade pectin, (7) Lipase to degrade animal fat, and (8) Keratinase to digest wool and hair substrates. These are saprophytic organisms that thrive on dead decaying organic matter such as leaves, grass clippings, and municipal, farm or household organic wastes. They also grow well under most temperature and pH (pH 5-9) conditions, which prevail in composting and dethatching. During the active composting process under moist conditions, Microzyme™ Compost-De-Thatch microbial cultures produce ample heat, up to and beyond 60°C (140°F) reducing the viability of many types of weed seeds that might be in the composting materials. Microzyme™ Compost-De-Thatch ingredients also promote and enhance growth of earthworms, which improve soil aeration as they grow and multiply.</p>
ACTIVITY	<p>The standard viable microbial count of Microzyme™ Compost-De-Thatch is about 2 Billion CFU/gram, or about 900 Billion CFU/lb.</p>
APPLICATIONS	<p>To accelerate composting of most domestic organic solid waste materials up to 50%. +Compost household yard and garden organic wastes. Dethatching lawns: residential, business and municipal park grass areas. Earthworm farming; enhancing soil aeration by earthworms; vermicular composting.</p>
STORAGE	<p>Microzyme™ Compost-De-Thatch should be stored between 10°- 30°C (50°-86°F). For best retention of initial quality, storage in a cool dry place is recommended. Avoid prolonged exposure to higher temperatures and/or humidity.</p>
PACKAGING	<p>Microzyme™ Compost-De-Thatch is available wholesale in bulk, or pre-packaged for professional use.</p>

**Disclaimer:**

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Nothing disclosed above is to be construed as a recommendation to use our products in violation of any patents or regulations. The information presented above is believed to be accurate. However, said information and products are offered without warranty or guarantee including composition and purity stated herein, since the ultimate conditions of use and the variability of the material treated are beyond our control. Liability claims may not exceed purchase price of product.