

# Thatch Relief™

## Biological Thatch Reduction

**Thatch Relief** liquid provides an effective method of bio-activation which speeds up decomposition of the organic residues (dead stolons, rhizomes and roots) that make up the thatch layer. By restoring the microbial activity that is required to keep the soil in balance, **Thatch Relief** helps promote higher quality turf.

### Thatch Digestion

The build-up of excess thatch prevents the soil profile from freely passing oxygen and water. Thatchy conditions contribute to a host of soil problems including black layer, compaction, and increased frequency and severity of turfgrass disease.

**Thatch Relief** contains selected bacteria cultures, enzymes and soil penetrants. Applications of this easy-to-use liquid result in the rapid conversion of the thatch layer into rich humus that absorbs moisture easily.

By accelerating the natural process of thatch digestion by beneficial microbes, **Thatch Relief** helps maintain a porous, open, well aerated soil profile capable of supporting a vigorous, healthy stand of grass.

### BENEFITS OF THATCH RELIEF ON:

**HYDROPHOBIC SOILS:** Increases Penetration of Water and Fertilizers.

**PESTICIDE EFFECTIVENESS:** Improves Utilization of Soil Applied Pesticides.

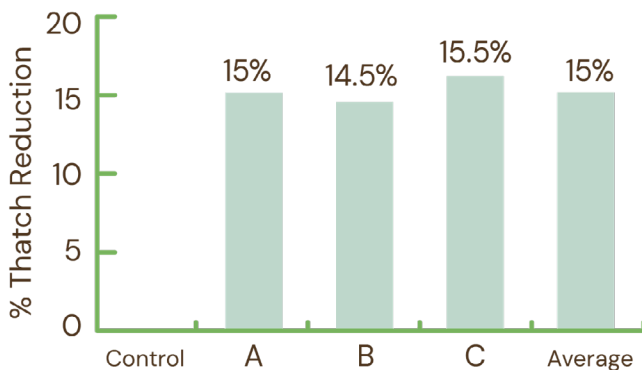
**WILT STRESS:** Lessens Wilting by Increasing Percolation Rate.

**DISEASE PRESSURE:** Suppresses Several Turfgrass Pathogens.

**THATCH BUILDUP:** Accelerates Grass Clipping Break Down.

**ENVIRONMENTAL ISSUES:** All Natural and Safe for The Environment.

Sumitomo Chemical Co.  
Experimental Farm, Japan  
Thatch Reduction



**SOILTECH**

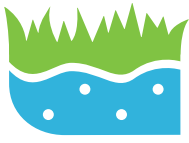
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## Technical Data

**PURPOSE:** Thatch Relief is a natural product for the accelerated decomposition of excessive thatch in turfgrass. It is used to reduce the need for expensive mechanical dethatching (raking, slicing, aerating).

**COMPOSITION:** Thatch Relief liquid is a combination of naturally occurring bacteria strains, plant enzymes and surfactants.

**TURF APPLICATIONS:** Use one gallon of Thatch Relief per acre, mixed in water or liquid fertilizer. Applications should be made when soil temperatures are between 55–95° F. Apply 3– 4 times per season when thatch exceeds one inch. Once the thatch has been reduced below one inch, a twice yearly schedule will be sufficient.

For the northern zones, apply twice in spring/early summer and once in fall.

For the southern zones apply fall, winter, spring.

For best results, the treated areas should be on a fertilization program. Core aeration prior to an application of Thatch Relief is helpful to ensure contact with the soil/thatch.

**APPLICATION METHOD:** Apply Thatch Relief liquid with water or liquid fertilizer (min. 40 gallons/acre). The product should be watered in by irrigation or rain after application. Allow 2 days between Thatch Relief applications and the use of herbicides, fungicides and insecticides.



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