

BIOLOGICAL

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# THATCH BUSTER

THATCH DECOMPOSITION AGENT

*Thatch Buster* is a concentrated cellulase enzyme product. Cellulase enzymes are contained in the secretions of microorganisms and are the substances which break down the major component of dead plant tissue. *Thatch Buster*:

- Accelerates Decomposition of Cellulose
- Decreases Incidence of Unhealthy Thatch Layering
- Promotes Conversion of Dead Clippings to Usable Nutrients

*Thatch Buster* is composed of naturally occurring cellulase enzyme components which are safe to use and non-polluting. The enzymes in *Thatch Buster* duplicate those in nature which break down cellulose residue of stems and leaves, leading to their conversion to nutrients.



For the strongest turf™

[www.floratine.com](http://www.floratine.com)

thatch reduction

## TECHNICAL INFORMATION

### Thatch Composition Ranges:

25-90% Cellulose  
5-30% Lignin  
5-30% Sugars, Fats, Proteins, etc.  
1-13% Minerals

### Organic Matter Decomposition:

Enzymes reduce plant tissue.  
New microbes are synthesized.  
New enzymes are secreted and  
Nutrients made available to plants.

**Thatch Buster's** enzymes directly attack dead cellulose, by-passing dependence on microorganism populations. Maintenance of dormant enzymes in solution requires special measures, as does initiation of their activity. When activated, precautions must be taken to avoid mixing with harsh chemicals. The enzymes in **Thatch Buster** are more active at higher temperatures. Do not apply when soil temperatures are at 60°F (15°C) or lower. Treated areas should be kept moist to ensure enzymatic activity.

### Superintendent Tips

- Tank mixing **Thatch Buster** with **Pervade** assists by helping the **Thatch Buster** penetrate the thatch and pushing water down into the soil.

## PROFESSIONAL USE GUIDELINES

**APPLICATION:** **Thatch Buster** can be applied with any equipment that delivers an even spray to the target area. Hose end sprayers can be used when applying to compost piles or uneven terrain. The **Thatch Buster** unit consists of three 1 qt (0.95 L) bottles: one of the **Thatch Buster Thatch Reducing Agent** and two of the **Thatch Buster Activator Solution**. Mix one bottle Thatch Reducing Agent to two bottles Activator Solution in 40 gal (150 L) of water. Use all mixed contents on the day of mixing.

**RATE OF APPLICATION:** Apply at 1 unit/acre (2 units/ha) in the spring when the soil temperatures consistently average 60-65°F (15-18°C) followed by a second application at the same rate mid-way through the growing season. In cases of severe thatch buildup, apply on a monthly schedule; however, if mechanical de-thatching is done, revert to the maintenance application schedule.

**COMPATIBILITY:** **Thatch Buster** should be sprayed as single product application. Do not mix with non-Floratine adjuvants as they may damage the enzymes.



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