

# ***EPITHATCH™***

## **The Natural Biological Method for Removing Unwanted “*Thatch*” from Lawns and Golf Course Fairways**

### **PROBLEMS WITH *THATCH***

One of the most deadly silent enemies of luxurious green lawns is “*thatch*” or dead, dried grass, remaining from previous season’s growth. Because of its inert, space-filling characteristics, thatch prevents the efficient transfer of both water and air to the root zone of lawns. This blocking action of thatch also prevents applied fertilizers and plant nutrients from reaching the roots of grass. Lawns smothered by thatch provide the ideal environment for destructive insects and unwanted plant diseases to thrive and cause significant damage to healthy lawns.

### **THE SOLUTION TO *THATCH***

Since the discovery of EPITHATCH, it is no longer necessary to spend long hours of toil mechanically de-thatching lawns. The problem can be easily solved by using EPITHATCH to biodegrade and eliminate thatch and dead grass nature’s way.

### **WHAT IS EPITHATCH?**

EPITHATCH is a potent, dried biological formulation containing beneficial cellulose-digesting microorganisms, enzymes and essential microbial nutrients. EPITHATCH biologically decomposes dead grass rapidly and efficiently without harming living grass. The microorganisms selected for use in EPITHATCH were isolated from rich, productive farm soils and are completely harmless to humans, animals and living plants.

### **FEATURES OF EPITHATCH?**

EPITHATCH can be applied to lawns as a dry powder with a fertilizer spreader or as a freshly prepared liquid. After being reactivated with water, the microbial cultures in EPITHATCH rapidly multiply on dead grass and secrete large quantities of cellulose-digesting enzymes which decompose thatch rapidly and efficiently. Through this completely natural biological activity, thatch is converted to soil nutrients and humus which are both highly beneficial for a healthy lawn.

### **APPLICATION PROCEDURE**

EPITHATCH can be applied to lawn as a dry powder with a fertilizer spreader at a rate of 4.4 lb/1,000 ft<sup>2</sup> (2 kg/100 m<sup>2</sup>). It may also be applied as a freshly prepared liquid spray as long as the sprayer nozzle can accommodate the water insoluble EPITHATCH components such as the carrier and time release nitrogen which otherwise could cause blockage. After the application is completed, the lawn should be watered daily for 7 days to reactivate the dormant microbial cultures. Once the friendly, beneficial microorganisms are revitalized and the temperature outdoors is 60°F (15°C) or over, the thatch starts to decompose and under warm, moist conditions continues to do so until all of the thatch has been converted into humus. During this period it is important that the lawn be watered daily.

The rate which thatch decomposes is essentially dependent on three factors: temperature, moisture and available nutrients. Under the influence of warm weather 70 - 85°F (20 - 30°C) and moist soil (60-70% moisture), thatch is generally decomposed within 25-30 days.

To obtain most favorable results, it is recommended that EPITHATCH be applied to the lawn in the spring when the warm temperatures and adequate soil moisture are available to help promote efficient thatch decomposition. Regular use of EPITHATCH to the lawn each year keeps unsightly thatch formation to a minimum. In areas favored with warm, mild weather most of the year, EPITHATCH may be applied at almost anytime.

## **IMPORTANT INFORMATION**

Fungicides should not be applied to lawns treated with EPITHATCH as the microbial ecosystem may be inhibited or destroyed. To maintain maximum activity, it is important that fungicide treatments not be used for 3 - 4 weeks prior to and after the application of EPITHATCH to the lawn.

## **PRODUCT PACKAGING**

- \* Polyethylene lined fiber drums with 40 kilogram (88 lb.) net weight
- \* Five gallon square polyethylene pail with 10 kilogram (22 lb.) net weight

## **CONTENTS**

EPITHATCH microbial ecosystem, cellulose enzymes, marine algae extract and microbial nucleotides. It also contains polyurea, potassium phosphate, and a broad spectrum of micro-nutrients all of which stimulate microbial growth and subsequent thatch digestion.

## **GUARANTEED ANALYSIS**

Total nitrogen	20.0%
Available phosphorus	0.5%
Soluble potassium	1.0%

**PRODUCT STORAGE:**

Biological products are unlike inert chemical products. They require special treatment during storage and handling,

- \* Do not store continuously at temperatures above 40°C (104°F).
- \* Store out of direct sunlight in a well ventilated area.
- \* Keep products dry until ready to hydrate.
- \* Apply separately; do not pre-mix with other products not recommended by Epicore.
- \* Do not use in combination with any materials not recommended by Epicore, especially biocides and harsh chemicals.

**SAFETY:**

Products in the Epicore agriculture product range are non-toxic. However, the user is advised to consult Material Safety Data Sheets for further information and guidance.

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**IMPORTANT NOTICE TO PURCHASER:**

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