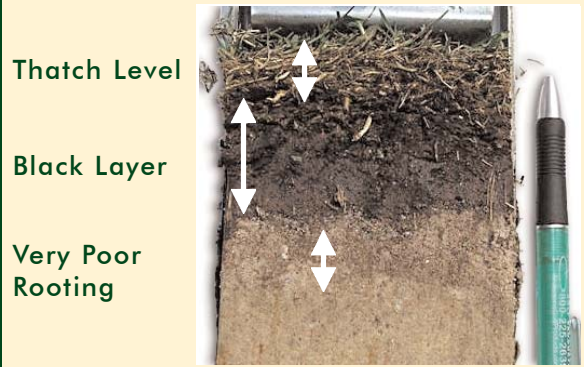


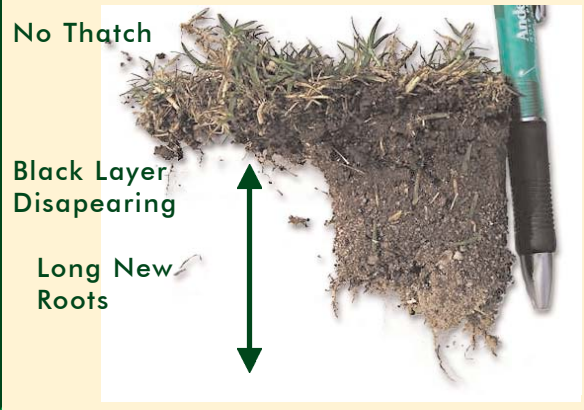
CONTROL DE-THATCHER

Thatch Elimination - Thatch Prevention

BEFORE



AFTER



Three months after the first application of Control De-Thatcher the thatch has almost disappeared, the black layer is gone and the turf has produced healthy new roots. De-Thatcher was applied at a rate of 6 ounces per 1,000 square feet, during the 1st, 3rd and 7th week.

Thatch Control is Not An Occasional Practice. It Requires Proper Turf Management!



PO Box 1252
White Plains, NY 10602



CONTROL DE-THATCHER

Unique Composition Integrates A 5-Component Approach To Speed Up The Natural Decomposition of Tough Thatch Layers

1 Maintain the proper C : N ratio with the first component in Control De-Thatcher's formula: Slow Release Nitrogen (SRN). This new technology SRN is a carbon/ nitrogen molecule that wicks into the tough thatch fiber. It supplies two important elements utilized by soil microorganisms (carbon is the energy source and nitrogen for protein synthesis). SRN also feeds the turf slowly and steadily without producing unwanted flush growth that increases thatch formation.

2 Highly active decomposing enzymes are the second key component in Control De-Thatcher. This extra initial charge of three enzymes (Cellulase, Amylase & Protease) assists in the rapid breakdown of plant cell walls and other hard-to-decompose organic materials such as cellulose fiber, starch and proteins. Once broken down into simpler compounds these are then used by the inoculant bacteria as a food source for increased growth.

3 Soil Microbes are considered the most important component to decompose and convert thatch into organic nutrients. De-Thatcher contains three beneficial microbes, including bacillus subtilis, lichenformis and megaterium. These are research-selected, naturally occurring bacteria strains. They become active in soil temperatures ranging from 40° F to 130° F. These microbes are efficient producers of strong enzymes such as Protease, Amylase, Lipase and Zylanase and continue the breakdown of tough cellulose fibers and the bonds between plant cell walls.

4 De-Thatcher's technology utilizes a rich organic solution that contains 17 L-Amino acids, the fourth component in effective thatch reduction. The L-Amino Acids are natural compounds from plant extracts and are rich in carbon and nitrogen to help maintain the C:N ratio for fast reduction of thatch. They provide rich nutrients for soil microbes, stimulate healthy turf growth and assist in the chelation of soil minerals, keeping them in usable form for turf and microbes.

5 The fifth and final component in Control De-Thatcher is a combination of food grade simple and complex sugars, including dextrose and dextrin. Sugars work as foods for the beneficial soil microbes, encouraging fast colonization. Combine this with De-Thatcher's natural wetting agent (Yucca schidigera) for fast penetration of thatch. All the ingredients swiftly penetrate thatch, compacted soils, and black layer to promote healthy root growth.

For More Information:



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