

## Prestige Super D Thatch

### Turf Thatch Management System

#### The Problem - Thatch

Thatch is defined as a build up of dead and living plant material between the soil and leaves of the plant. Thatch development is a natural process that occurs during normal turfgrass growth. However in managed turf excessive thatch can develop. Causes include:

- Excessive growth due to over fertilisation with nitrogen,
- Continuous low mowing
- Poor microbial health in the soil.

Problems caused by high Thatch levels:

- Restricted air and water movement into the soil
- Favourable conditions for disease
- Spongy turf which is no longer firm – poor playing surfaces
- Restricts the penetration of pesticides and fertilisers.



#### The Product - Super D Thatch

A specially developed microbial biostimulant that boosts microbial populations, increases rooting and plant health and also helps in degrading thatch.

##### Simple Plant Sugars

Virtually all soils have high microbial populations. The simple plant sugars in D Thatch provide the microbes with a readily available food source rapidly increasing their population and activity. After an application of D Thatch the plant roots exude carbohydrates. This provides an energy source for the mycorrhizal fungi and rhizosphere bacteria that live in a close, mutually beneficial relationship with the plant. In exchange for an energy supply the mycorrhizal fungi provide the plant with a supply of nitrate and phosphate. This symbiotic relationship is essential for a healthy sward. The plant sugars are rapidly absorbed and assimilated by the plant cells providing an immediate energy source.

##### Enzymes

Enzymes in the product degrade the thatch directly breaking it down into smaller molecules which the microbes can then digest.

##### Growth Promoting Hormones

The cold-water extracted plant growth hormones and betaines in D Thatch help the plant with increased rooting and vigour. These growth promoting hormones combined with the simple plant sugars help to improve seed establishment.

##### Soil Penetrant

The soil penetrant package in Super D Thatch ensures that the vital ingredients are moved into the rootzone where they are used most effectively.

**PRESTIGE**<sup>®</sup> Official Distributors

Super Turf Solutions



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## Prestige Super D Thatch

### Key Benefits

- 20% improved Thatch reduction over Aeration alone
- A programme of aeration and D Thatch gives up to 35% reduction in thatch in 1 season.
- Increase microbial growth and activity
- Carbohydrates used by the plant cells as an immediate energy source
- Contains plant growth hormones that improve root and shoot development
- Increases plant health, rooting, seed germination and establishment
- Improves water-holding capacity of the soil and drought tolerance

Trial carried out in conjunctions with Aeration removal programme. This was intensive- 2 hollow core, 6 scarification and 3 micro-tine. D Thatch applied monthly April to September

### Results:

- D Thatch approx 20% better than aeration/removal on its own
- D Thatch reduces thatch by 5-10% on its own- shows aeration etc essential.
- Combination of aeration/removal and D Thatch reduced thatch on average 35%

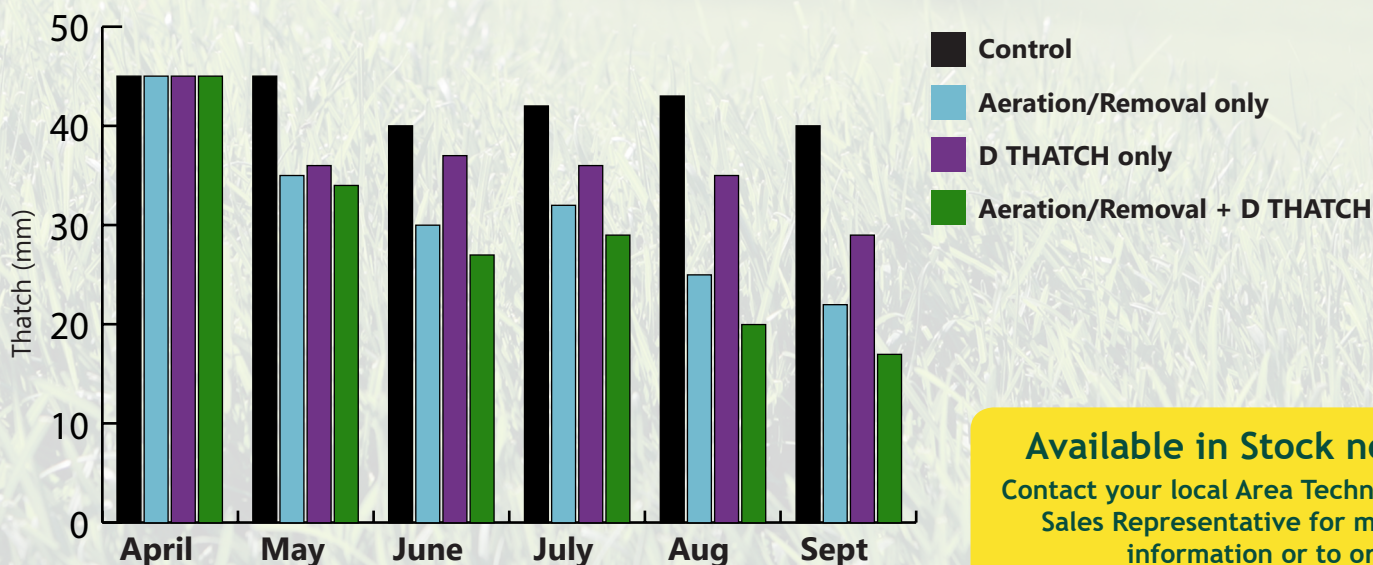
### Application Rates & Timing - Super D Thatch

Initial Treatment:	3 applications, at 10 ltr/ha every 10 - 14 days
Maintenance:	10 ltr/Ha every 20 - 30 days
Full Programme:	60 ltr/Ha over 2/3 months



**Variations:** Once microbial activity has been activated it is possible to vary rates and timings. Super D Thatch is most effective over a 3 month period when combined with aeration.

Make all applications in a water volume of 600 litres per Ha. Do not reduce the water volume as this restricts the movement of the product into the thatch.



**Available in Stock now**

Contact your local Area Technical Sales Representative for more information or to order



A specifically formulated microbial bio-stimulant and enzyme product that boosts microbial populations, increasing rooting and plant health. This product reduces thatch especially when used in conjunction with a high aeration and thatch removal mechanical input. Enzymes in the product degrade the thatch directly breaking it down into smaller molecules which the microbes can digest.

- 1** Application should be 10Ltr/Ha.
- 2** Apply in a water volume of 600Ltr/ha. Do not reduce water volume.
- 3** To get best results, ensure that the full 3 month programme is followed.
- 4** Aeration alongside the application of D Thatch is very important to achieve successful results.
- 5** Do not apply when conditions are below 6°C.
- 6** When in storage, protect from extreme heat and cold.

For more technical advice and to order:



Your local Area Technical Sales representative

Our Sales Office on 01328 700600

Visit [www.collier-turf-care.co.uk](http://www.collier-turf-care.co.uk)

