

Control De-Thatcher



A solution containing microbes and enzymes that are known to accelerate the breakdown of thatch.

Also contains a slow-release nitrogen source. This has the correct Carbon:Nitrogen ratio to provide an energy source and protein synthesis for the microorganisms. This ensures survival of the microbes for long term thatch breakdown.

- Contains a combination of Bacillus microorganisms and enzymes (protease, cellulose and amylase) to break down specific components of thatch.
- Microbes are specifically targeted to break down lignin and cellulose as in turf thatch these are the hardest-to-break-down components.
- Once established in the soil, the Bacillus species included in De-Thatcher will produce significant quantities of further enzymes that will digest the protein in thatch and turn organic matter into plant-available nutrients.
- Contains a natural wetting agent (Yucca) for fast penetration of microbes into the soil plus simple and complex sugars to feed the microbes to enhance colonisation.
- Also contains 17 different L-Amino acids that help maintain the correct C:N ratio to provide sufficient food for soil microbes to maximise product longevity.

| Product | Pack Size | Rate | Water Volume |
|---------------------|-----------|-------------|--------------|
| Control De-Thatcher | 10 litre | 10 – 30l/ha | 600l/ha |

| Product | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|---------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Control De-Thatcher | | | | • | • | • | • | • | • | • | | |

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Control De-Thatcher



- ☺ Reduce black layer, reduce thatch and increase microbial diversity.
- ☺ Apply at a high water volume (600l/ha) with a coarse spray so the product is targeted at the soil.
- ☺ Can be tank-mixed with other soil-targeted products such as wetting agents and biostimulants.
- ☺ Range of application rates from 10-30l/ha to individually target individual situations.
- ☺ Reduce requirement of nutrition by releasing locked up nutrients held in thatch layer.

- ☹ Although Control De-Thatcher has mixed successfully with many products, always carry out a jar test to check compatibility of products before tank mixing.
- ☹ Only use Control De-Thatcher when soil temperatures have reached minimum 7°C.
- ☹ Do not tank mix Control De-Thatcher in combination with BioBoost to avoid damage to microbes from hydrogen peroxide.
- ☹ Do not allow to freeze.
- ☹ Apply spray within 6 hours of adding to the tank.

| Issue | Suggested Tank Mix (per ha) |
|---|---|
| Slow-draining surface, high thatch levels. Soft, disease prone surface | Follow a programme of fortnightly aeration (pencil tines, sarel rolling, verti-draining or deep scarifying) and alternate applications of Control De-Thatcher at 30l/ha and Essential Plus at 10l/ha over a 3-4 month period during the main growing season. |
| Surface in generally good condition, but thatch build up evident despite good cultural programme of top dressing and aeration. | Use 'The Classic' 18-3-6 to reduce flushes of growth that contribute to thatch build-up. Combine with Companion and Essential Plus to maximise soil/plant health. Apply Control De-Thatcher at 10-20l/ha following aeration to reduce thatch and keep any build up at desired levels. |
| Greens good, thatch levels under control. A requirement for thatch control/prevention without invasive cultural practices. | Apply Control De-Thatcher at 10-20l/ha during the main growing season following aeration. Combine with Companion and Essential Plus to provide a healthy environment for beneficial soil microorganisms. |

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