THATCH-ZYME®

World's First Patented Enzyme Technology for Thatch Control

A breakthrough in non-disruptive thatch management.

What you can expect following use with a thatch program:

- Longer, stronger root depth
- Improved infiltration
- Increased surface uniformity
- Improved disease & moisture management
- Encourages stress resilience
- Reduces nematode impact
- Increased surface uniformity

"The missing link in optimising turf health & performance".

TESTED
Tested globally including ANZ

PROVEN
Proven in university field trials

SIMPLE
Flexible and easy to spray program

Exclusively distributed by

LIVING TURF®
Scientific Turf Management

How it works

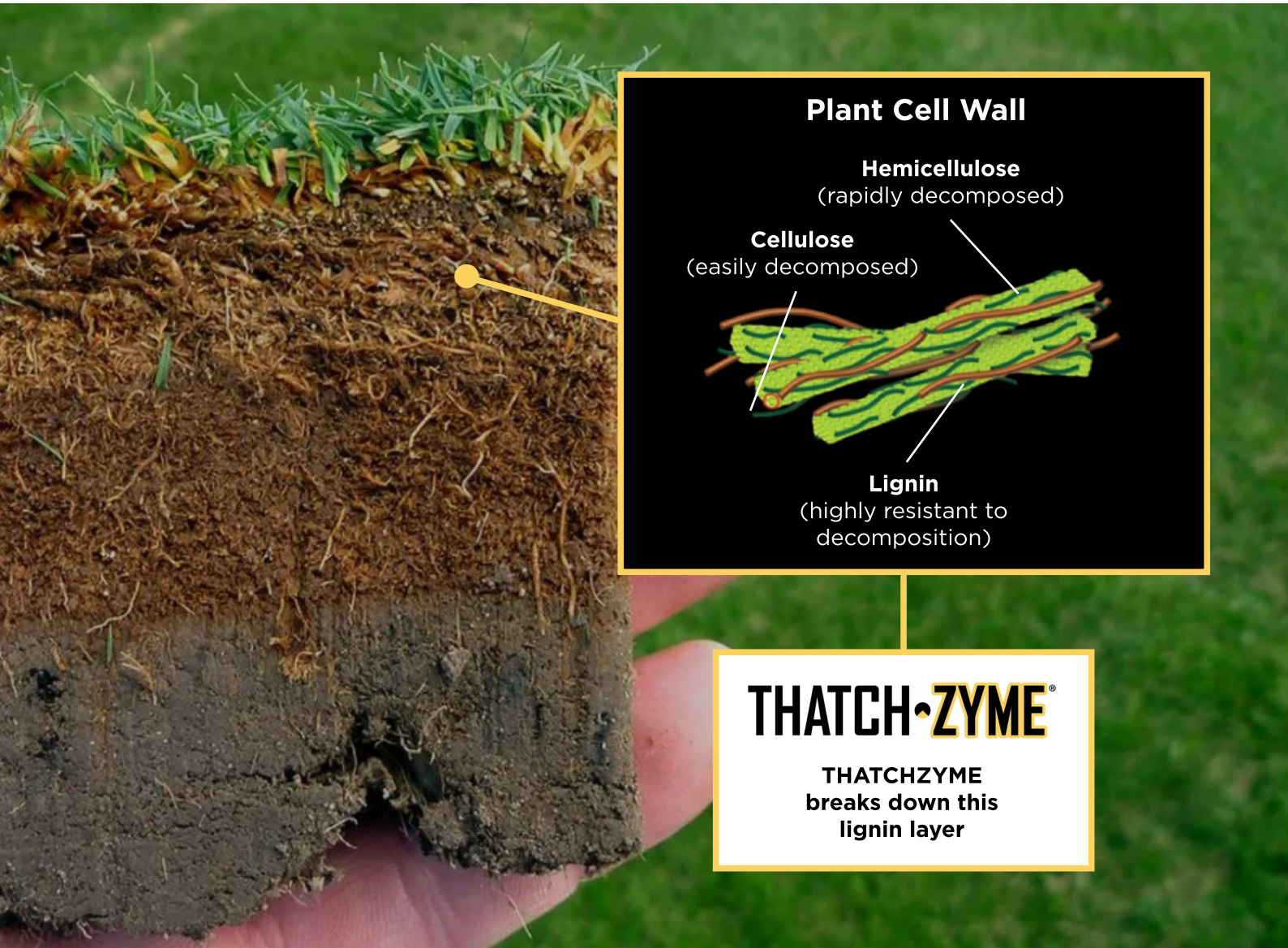
Thatch is an intermingled layer of dead and living plant parts. Lignin is the plant cell wall component which is the resilient and slow-to-degrade component of thatch. Lignin surrounds the readily degradable cellulose and hemicellulose layers in plant cell wall.

THATCHZYME is the first proven sprayable solution for effective thatch management. It utilises Laccase, a scientifically proven enzyme known for breaking down lignin. Although soil fungi naturally produce Laccase, levels are insufficient to counter the rapid accumulation of turfgrass thatch. THATCHZYME addresses this shortfall by delivering a potent dose of Laccase directly into the thatch layer.

Think of thatch like a coconut. The soft inner tissue (cellulose) breaks down easily—but the tough outer shell, that's lignin. So when THATCHZYME delivers a concentrated dose of Laccase, its like cracking through the coconut shell so the rest can break down naturally.

While beneficial fungi normally produce Laccase, modern turf practices suppress its activity. THATCHZYME puts it right back where it's needed: the thatch layer. **Break through the barrier. Let nature do the rest.**

> Throughout turf management history, for every need, there's a tailored solution — grass seed for coverage, fertiliser for growth & recovery, pesticides for pest control, surfactants for water management, PGRs for growth regulation... **and now THATCHZYME for thatch management.**



Proven Results

Successful results from a golf course in Sydney, Australia

Golf greens currently contain surface thatch levels on average 60% higher than is desirable for optimal turf health and playability, according to the STRI.

Some parkland courses were reported with more than 25% organic matter in the top 20mm, compared to a target of 4–6%.

Even links courses were found to have up to 12% organic matter extending down to 40mm from the surface, with an average 7% in the top 20mm—still 40% above the target level.

STRI agronomists warn excess organic matter retains greater moisture that leads to:

- Surface softening
- Increased disease pressure

Results in university trials across USA

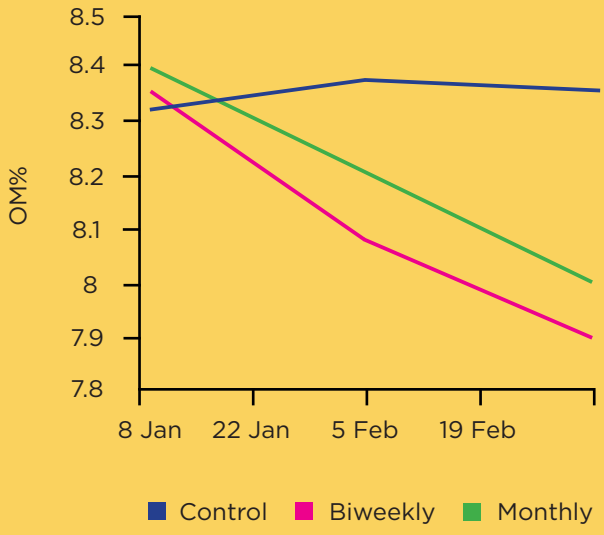


Fig. 1 2024 Field Trial Creeping bentgrass, putting green, MSU - Dr. Kevin Frank

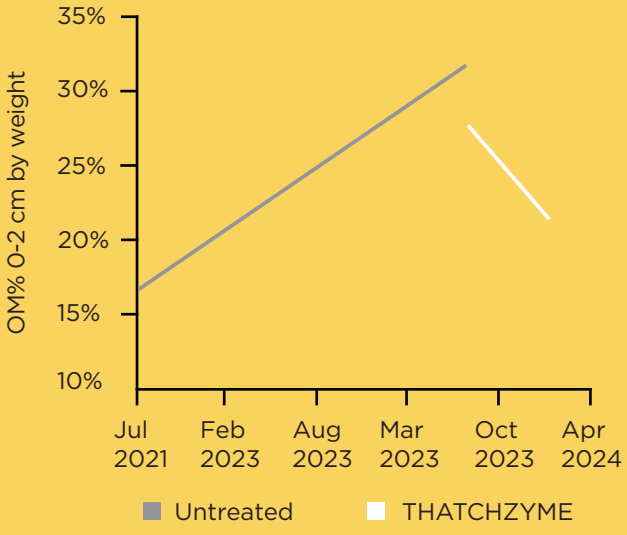
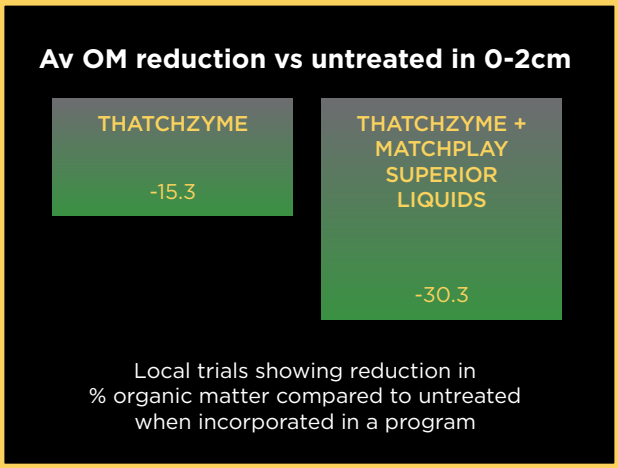


Fig. 2 THATCHZYME is used to treat and reverse thatch in the former untreated control plots.

How to use

Success requires a program tailored to your needs & budget, Living Turf Technical Support can help build your program.

Consult your Living Turf Tech Rep to integrate THATCHZYME effectively, alongside nutrition, aeration, & topdressing.



Rates & frequency

Fine turf:
1.3 L/ha every 2 weeks or 2.6 L/ha monthly.

Sportsturf & amenity turf:
1.3-2.6L/ha monthly.

Adjust based on:
Thatch level, soil texture, climate, budget.

Applicaton Notes

Compatible with nutrition, wetting agents, pesticides.

Irrigate lightly (ideally 3 mm) same night.

Avoid mixing with acidic products.

Avoid applying before heavy rain.

Works above 0 °C; best when turf is growing.

Optimum results are assured through Living Turf's trusted stewardship.

Contact Your Living Turf Rep About THATCHZYME Today

(AU) 1800 556 116 | livingturf.com.au
(NZ) 0800 428 268 | livingturf.co.nz

LIVING TURF®
Scientific Turf Management
EST. 2003