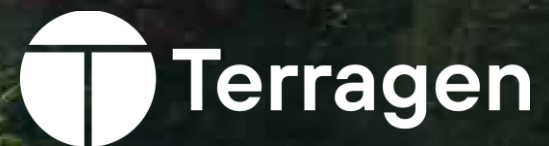


7 November 2024

Annual General Meeting



Terragen Holdings Limited

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01 — Terragen Overview

About Terragen

Terragen is a research, development and commercialisation company specialising in the creation of biological products that enhance animal and plant health for agricultural use.

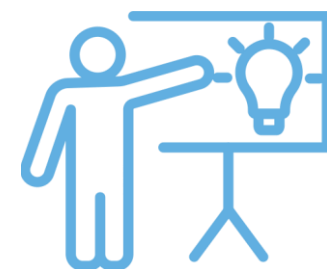
Our proprietary research has resulted in innovative products that enhance yields and produce positive environmental outcomes.

Terragen Holdings Limited ASX:TGH
Industry Group: Materials



**2009
Founded**

With head office in
Sunshine coast QLD



NEW

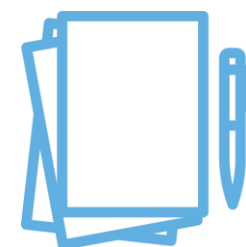
**Leadership
Team**

8 Researchers
4 Commercial
19+ Employees



IP Protection

3 families of patents
across 22 countries



11 Peer

Reviewed publications
+ 10 Manuscripts pending



\$4.5m

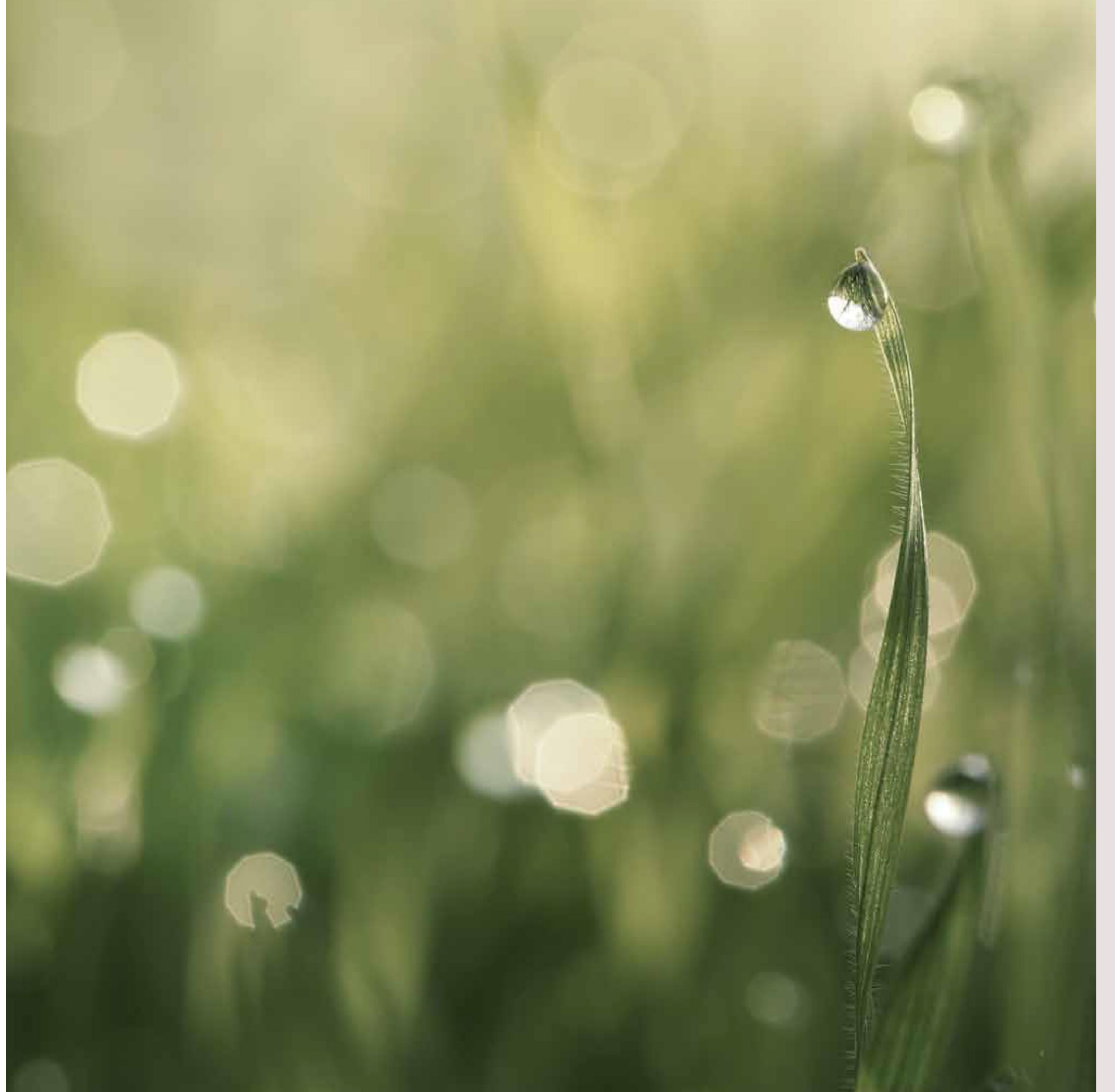
Cash at 30
June 2024



**Distinct
Methodology**

Guides scientific research and
product development to ensure
impact and viability

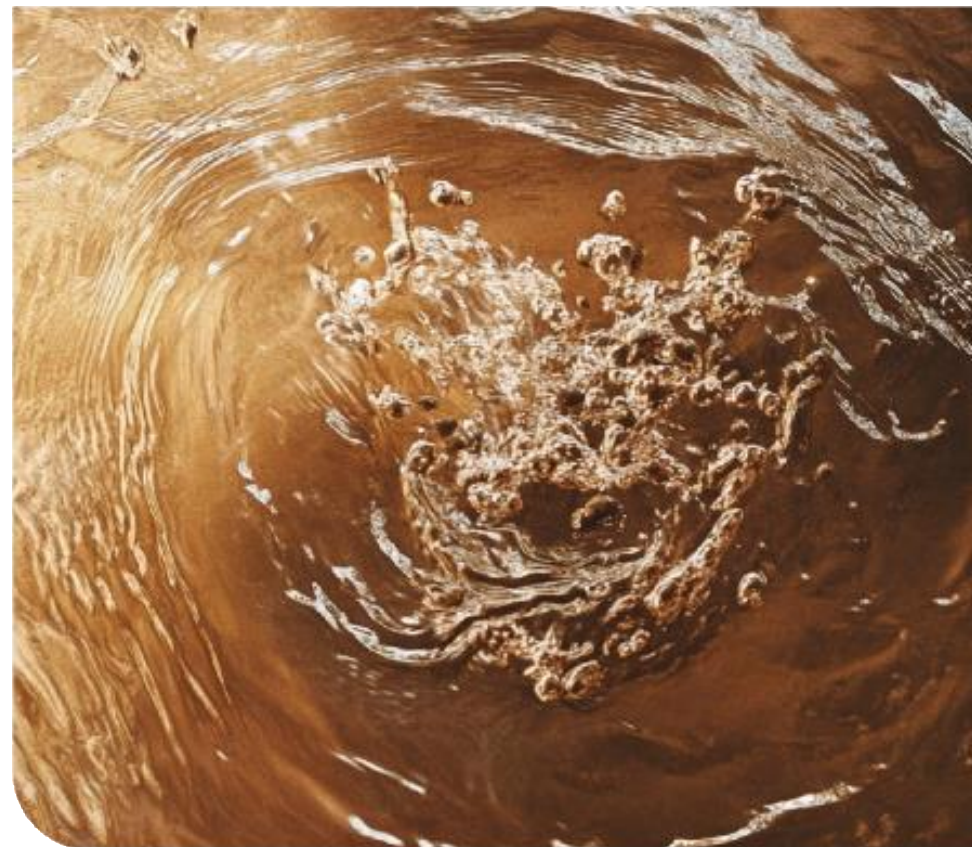
02 — Terragen Products



Transforming our probiotic product, with NEW DRY MYLO® launch anticipated in March 2025

Current

Liquid MYLO®



March 2025

Dry MYLO®



- ✓ **Extended shelf life**
From six months to two years
- ✓ **Increased transport efficiency**
Global distribution, as a powder
- ✓ **Easier to use**
No extra cost for farmers
- ✓ **Increased production efficiency**
Leading to scalability
- ✓ **Launching in partnership⁽¹⁾**
With specialist freeze-drying contract global manufacturer

MYLO[®] is scientifically proven to increase livestock yields and deliver environmental benefits

Lamb Performance Benefit

24% higher⁽¹⁾

Average daily weight gain

Dairy Cows Performance Benefit

10.1% more⁽²⁾

Milk produced

Calves Performance Benefit

8% heavier⁽³⁾

Average daily weight gain

Beef Cattle Performance Benefit

4.8% greater⁽⁴⁾

Average daily weight gain

Environmental Benefits

Reduces Methane

Methane intensity reduced by 30% in lamb⁽⁵⁾

Methane intensity reduced in dairy cows by 7.5%⁽⁶⁾

Financial Benefits for Farmers

\$500 p.a. net benefit per lactating cow⁽⁷⁾

At milk price of \$8/kg MS (milk solids)⁽⁸⁾

\$40 net saving per calf⁽⁹⁾

With 10 days earlier weaning (less labour/milk required)



Notes

(1)&(5) Methane Emissions Reduction in Livestock MERIL 1&2, DEECCW.gov.au 13 August 2024

(2)&(7) Harrisville, QLD study, announced to the ASX on 24 May 2023.





(3)&(9) UQ Calf trial, 2019 - peer reviewed Alawneh et. Al, 2024

(4) Commercial feedlot trial in NSW (2023) using split herds, announced 28 July 2023, showed an overall improvement of 4.8% in average daily weight gain (ADG) with p<0.05.

(6) Ellinbank SmartFarm, VIC, announced to the ASX on 21 April 2022., peer-reviewed by Animals Journal

(8) Based on 10% milk production increase at farmgate price of \$8.00 per kg milk solids

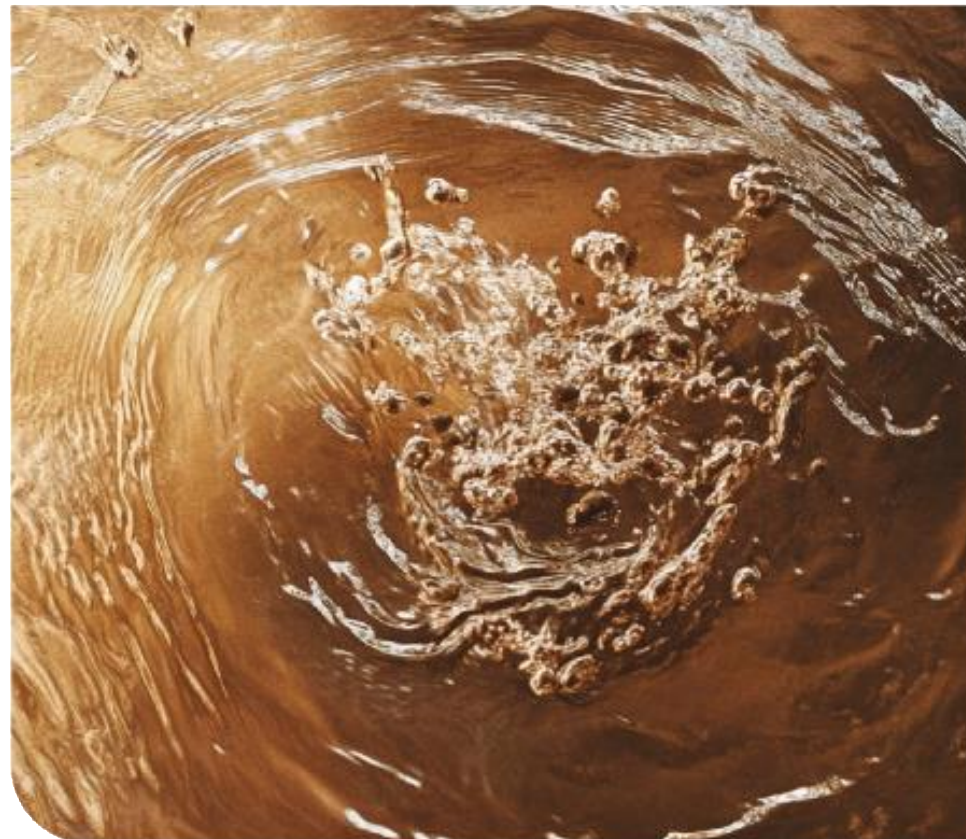
Commercial application of Dry MYLO[®] on beef and lamb

Application	Description	Commercial partner
Lamb	Terragen has reached an agreement with Quality Livestock to conduct a large-scale commercial trial on the 30,000-head lamb feedlot Wanbi in Loxton, South Australia. In addition to assessing animal performance, the trial will build upon methane reduction data to investigate methodologies to obtain CER approval. This research aims to obtain ACCUs from feed supplements that reduce methane.	
Beef	Harmony Agriculture & Food is one of the top 10 largest Wagyu producers globally . Terragen has reached an agreement to conduct a commercial trial at their Dimboola feedlot in Victoria. In addition to assessing animal performance , the trial will build upon methane reduction data to investigate methodologies to obtain CER approval . This research aims to obtain ACCUs from feed supplements that reduce methane.	
Beef	As a global beef exporter , Signature Beef is a long-term user of animal feed probiotics, and has beef feedlots and processing facilities on-farm. Terragen has reached an agreement with Signature Beef to conduct a probiotic feed supplement comparative trial whereby animal performance will be measured across a variety of different animal feed probiotics including Dry MYLO.	
Beef	Injemira Beef Genetics is Australia's leading genetics supplier located in Wagga Wagga, NSW. Terragen has reached an agreement to conduct a trial comparing the outcomes of beef probiotics in a commercial genetics production system .	

Building our biostimulant offer with NEW DRY GLP[®] product launch anticipated in 2026

Current
Liquid GLP[®]

2026
Dry GLP[®]



- ✓ **Extended shelf life**
From six months to two years
- ✓ **Increased transport efficiency**
Global distribution, as a powder
- ✓ **Easier to use**
Mixed on the farm for ease of use
- ✓ **Increased production efficiency**
Leading to scalability ⁽¹⁾
- ✓ **Increases soil organic carbon & crop yields**
Strong value proposition

Charles Sturt University case studies of long-term users indicate GLP® delivers environmental benefits and increases crop yields

Dairy Pasture Performance Benefit

26% increase⁽¹⁾

In soil organic carbon

Silage Performance Increase

20-40% biomass increase⁽²⁾

Cibo Labs biomass report

Lucerne Crops Performance Benefit

16-18% increase⁽³⁾

In lucerne hay & seed yields

Grape Vines Performance Benefit

8% increase⁽⁴⁾

In soil organic carbon

Environmental Benefits

Reduces reliance on nitrogen fertilisers

While increasing soil organic carbon

Cost Savings for Farmers

>40% urea reduction

Case study: Hamiltons Run, South Australia reduced nitrogen by >40% from 2017 to 2024⁽⁵⁾, saving \$118 per hectare, net of GLP® cost⁽⁶⁾



Notes

(1) & (2) & (4) & (5) Terragen - Great Land Plus, Soil carbon impact evaluation, Dairy Farms, September 2024, Digital and Sustainable Agriculture, AgriPark, Charles Sturt University, Boorooma St Wagga Wagga

3) Lucerne seed: Independent split paddock field trial, Forbes NSW, 2015 Lucerne hay: Independent split paddock field trial, Shepparton VIC, 2015, Trial 1. Terragen-Great-Land-Plus-Lucerne-Trial

6) Calculation based on:

- Cost comparison of replacing some on-farm Urea usage with GLP®.
- Urea application of 80kg/Ha (\$56/Ha based on \$700/t) at 8 x applications per year (typical of Southern Australia improved pasture).
- GLP® application of 4litres/Ha (\$38/Ha based on \$9.50/L) at 4 x applications per year.

03 — The way Forward

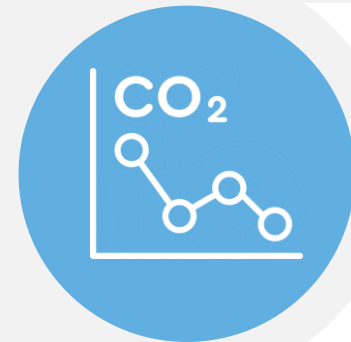


Key Takeaways

Over the past six months, Terragen has embarked on a transformative journey focused on maximising shareholder value and setting the stage for future success.

Our strategic initiatives proven by extensive data and evidence, expanding freeze-drying capabilities and renewed leadership, are driving us towards our global ambitions.

The key performance measure for 2025 is the delivery of dry MYLO® into the Australian beef sector.



Committed to Decarbonising Agriculture

Sustainable solutions that not only reduce carbon emissions but also deliver productivity gains



Accelerating Commercialisation

Dry MYLO® has proven to be stable when fed to lambs and will be commercially available in Australia, March 2025. Pending market access approvals, Dry MYLO® will be launched from 2026 in North America and Brazil



Boosting Productivity

Dry MYLO® has been scientifically proven to increase lamb average daily weight gains by up to 24%. GLP® case studies delivered increases in soil organic carbon of up to 26%, and a decrease in nitrogen usage of over 40%



Expanding Globally

With a strategic partnership with Sacco Italy, Dry MYLO® can be manufactured at scale in global markets, providing the opportunity for distribution agreements



Terragen Holdings Ltd

Resolutions



Terragen Holdings Ltd

Thank you for your attendance