**For immediate release**

21 April 2022

# **ASX** Announcement

**Mylo® feed supplement reduces methane in dairy cows**

**Terragen Holdings Limited (ASX:TGH)** – Australian biological agriculture company Terragen Holdings Limited ("Terragen") is pleased to announce the results of research conducted at Australia's pre-eminent dairy research farm, Ellinbank SmartFarm.

- **Methane difference of 7.5%**
- **Animal weight gain higher by 21% than the control cows**

The results were achieved on a baseline dose of 10ml of Mylo®.

This research indicates that Mylo® can reduce methane emissions by the equivalent of 100 tonnes of $CO_2$ per 350-cow dairy farm per year.

In the study, the cows not on Mylo® emitted 7.5% more methane per litre of milk ($p$ = .13).

More research at Ellinbank SmartFarm is planned to determine if higher doses of Mylo® will reduce methane emissions further.

The cows that received Mylo® gained 21% more weight than the control cows during the study, a finding which has benefits for the broader cattle industry.

Scientists from the Ellinbank SmartFarm, Victoria, are presenting the findings to the 8th International Greenhouse Gas & Animal Agriculture Conference at Orlando, Florida, in June 2022.

**A short video outlining the research results can be viewed on our YouTube channel at**
https://youtu.be/r083U1XC6XQ.

Mylo®, in use across 125 Australian dairy farms, is one of the tools a livestock producer can use to increase productivity, reduce methane emissions and meet sustainable agriculture goals.

**Features of Mylo®:**

- Mylo® is ready right now – it has been sold in the Australian market for four years and is now being sold in New Zealand
- One in twenty-three Australian dairy cows take Mylo® daily
- Mylo® improves productivity and cow health (including a reduction in somatic cell count)
- Using Mylo® is cost effective for the farmer and has a high return on investment of at least 5:1
- Production of Mylo® can be scaled easily to meet growing demand
- Mylo® is a certified organic input in Australia and New Zealand
- Mylo® is a livestock feed supplement that is approved for use in Australia and New Zealand

**About the study**

The study was conducted at Agriculture Victoria Research, Ellinbank SmartFarm, Victoria, in October and November 2021.  The Ellinbank SmartFarm is owned by the Victorian Government and it is one the world's most highly respected dairy research farms.

Forty lactating, Holstein-Friesian cows were used in the study.  Two separate treatments, being a control treatment and a Mylo® treatment, were allocated to cows at random (20 cows per treatment).  The cows in the Mylo® treatment group received 10mL/day of Mylo®.  The study ran for 40 days (5 days baseline without the experimental diet, 30 days adaptation with the experimental diet and 5 days of methane measurements with the experimental diet).

The modified sulphur hexafluoride ($SF_6$) tracer technique was used to estimate methane emissions from individual cows.  Milk production from individual cows was measured at each milking.  Liveweight of each individual cow was recorded twice daily.


**About Terragen Holdings Limited**

Terragen develops and markets probiotics for agricultural applications. Each product uses a unique combination of naturally occurring live microbe strains selected to help boost the productivity, welfare and resilience of farm production animals and address soil health.  Terragen's aim is to increase farm productivity through the use of these products, whilst providing improved environmental sustainability that will be attractive to consumers and farmers.

Terragen has two products on the market in Australia and New Zealand: a microbial feed supplement for animals known as *Mylo®*, and a soil conditioner called *Great Land Plus®*.


**For further information, please contact:**

| Terragen Holdings Limited | Authorisation and Additional Information |
|---|---|
| Travis Dillon<br>Chairman<br>media@terragen.com.au | This announcement was authorised by the Board of Directors of Terragen Holdings Limited |
| Jim Cooper<br>Managing Director and CEO<br>+ 61 417 321 145<br>jimc@terragen.com.au | |