



ASX Announcement

Terragen's MYLO supplement shown to improve milk yield by 10% and reduce the cycle time of dairy cows by 9 days

Terragen Holdings Limited (ASX:TGH) – Australian agricultural company, Terragen Holdings Limited, ("Terragen") is pleased to advise the market of two early findings arising from its longitudinal study of MYLO in dairy cattle on a commercial dairy property in Queensland.

Highlights

- Data collection phase is complete for Terragen's largest dairy research study to date.
- Cows supplemented with MYLO had 10.1% higher average milk yield after calving ($p < 0.05$).
- The supplemented cows had significant improved reproductive performance ($p < 0.05$)

Initial findings from the study

Initial findings to have emerged from the Harrisville study include:

Production benefits

After calving, treatment cows had 10.1% higher average milk yield (an additional 2.3 litres per day) and 8.1% higher average peak milk production (2.6 litres per day greater peak flow). Both findings were significant ($p < 0.05$).

This compares favourably with previous findings.

Reproduction benefits

The study found that the average number of days to first insemination was 9.6 days shorter in the treatment group (64.7 days in the treatment group; $p < 0.05$) and the calving interval of the treatment group tended to be shorter.

This result is significant on farm as the potential a cow may get in calf sooner (leading to an improved early in calf rate) is a major indicator of profitability. This is predominantly because of cost savings associated with reduction in non-productive days and reduced operational costs of reproductive intervention, coupled with benefits of increased lifetime productivity and longevity in the herd (higher milk production capacity over productive life).

Oral presentations on these key findings will be given at the 2023 Joint International Congress of Animal Science in Lyon, France from 26 August to 1 September.

"We are looking forward to sharing these and other results with our colleagues at the Joint International Congress later this year. The findings enhance and expand the results we have seen previously in dairy cattle

Terragen Holdings Limited

Unit 6, 41 Access Crescent, Coolumb, QLD, 4573, Australia
+61 1300 837 724 | <http://www.terragen.com.au> | 36 073 892 636

supplemented with MYLO. And, these recent findings will underpin and guide our future studies,” stated Miles Brennan, Terragen’s Managing Director.

About the Harrisville study

Terragen undertook a longitudinal study over 16 months on an operational dairy farm in Harrisville, Queensland. This study was designed to further Terragen’s knowledge of MYLO’s benefit for dairy cows and calves and the potential of MYLO to reduce methane emissions, utilising a baseline dose of MYLO.

The sample size of 122 cows that completed the study and the study’s duration are significant. It is the largest research study undertaken by Terragen to date.

As previously announced on 28 April 2023, the animal observation period of this study concluded in January 2023, and the study has now migrated into data analysis phase.

Further findings

Terragen is not in a position to announce any additional outcomes from the study at this time given the data is still being analysed and presently remains inherently uncertain. Final data collection and data analysis continues, with the expectation that a results announcement on any additional benefits of MYLO will be released to the ASX in the second half of calendar 2023. It is expected that additional conference abstracts and journal publications will arise from this work.

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.

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 Chairman media@terrigen.com.au	This announcement was authorised by the Board of Directors of Terragen Holdings Limited
Miles Brennan Managing Director and CEO ceo@terrigen.com.au	

Terragen Holdings Limited

Unit 6, 41 Access Crescent, Coolumb, QLD, 4573, Australia
+61 1300 837 724 | <http://www.terrigen.com.au> | 36 073 892 636