



Dry Mylo® feed supplement improves weight gain and reduces methane in Lambs

Terragen Holdings Limited (ASX:TGH) – Australian biological company Terragen Holdings Limited (“Terragen”) is pleased to announce the results of research conducted by the Department of Energy, Environment and Climate Action (DEECA) at their Hamilton Smart Farm, Victoria as part of the Australian government’s Methane Emissions Reduction in Livestock (MERiL) round 2 project ‘*The effect of Lactobacillus formulations on production and methane emissions of large and small ruminants*’. This project trialled a dry formulation of MYLO® and was led by Agriculture Victoria Research with the primary objective to test methane mitigating solutions in grazing livestock.

Highlights

- Lambs supplemented with dry MYLO had an **average daily weight gain 24% higher** ($p < 0.05$) than those not given the MYLO supplement, and a **25% higher total live weight gain** ($p < 0.05$).
- Lambs supplemented with dry MYLO **produced 9.9% less methane (measured as grams of methane per day)** when compared to control lambs.
- The **methane intensity** (measured as grams of methane per gram of daily liveweight gain) **was 30% lower in the MYLO® group** when compared to the control group ($p < 0.05$).

About the study & significance

The study was conducted at the DEECA Hamilton Smart Farm between February and June 2024. Sixty-eight (68) lambs were randomly split into two groups and given individual electronic ear tags to differentiate the treatment and control animals. This allowed lambs to be supplementary fed automatically via a C-Lock smart feeder in the paddock. The treatment group of animals received a supplementary ration including a dose of dry MYLO daily, and control animals received ration only, with dry pasture and hay available to all animals. Measurements in the form of gas emissions from lambs (i.e. methane and carbon dioxide (CO₂) emissions and oxygen (O₂) consumption) were taken at three points of the trial period using portable accumulation chambers (PAC). Live weight gains were also measured weekly.

Dry MYLO®

Terragen has developed a prototype dry MYLO® product that conforms with quality specifications. The dry format product has an extended shelf life and has greater production and transport efficiencies relative to the liquid MYLO product. In addition, a dry product presents further opportunities for international expansion, and also enables penetration into new segments such as beef feedlots, where the rations are often more suited to dry supplementation. Further work is being undertaken regarding product development and the commercialisation pathway for the dry product.

About Terragen Holdings Limited

Terragen develops and markets biological products for agricultural applications. Each product uses a unique combination of naturally occurring live microbe strains selected to help boost the health and productivity of plants and animals. 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 direct fed microbial supplement for animals known as MYLO® and a biostimulant known as GREAT LAND PLUS®.

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