



Terragen

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# MYLO<sup>®</sup>/cow

— Introducing MYLO<sup>®</sup>, the liquid probiotic, backed by science, that's proven to improve productivity, naturally.







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# MYLO<sup>®</sup> / cow

## Features

- A liquid live microbial livestock feed supplement to aid in the digestive health of livestock.
- Contains three Lactobacillus species from Terragen's suite of microbes: Lactobacillus casei, Lactobacillus buchneri, and Lactobacillus paracasei.
- Free of antibiotics and hormones. No withholding period.
- FAMI-QS certified
- Certified as an input for organic farming and livestock production in Australia and New Zealand.
- Minimum population = 300 million microbes per dose

**MYLO<sup>®</sup> cows have better liveweight maintenance through enhanced digestion efficiencies, resulting in improved productivity.**

## Benefits

- Aids in building the population and activity of beneficial microbes in the gastrointestinal tract of livestock for benefits in health & productivity.
- Cows fed with MYLO<sup>®</sup> have improved feed digestion, leading to improvements in liveweight maintenance and improved productivity.
- Results from our peer-reviewed scientific research show:
  - » Cows on MYLO<sup>®</sup> have improved liveweight maintenance (on average 20kg heavier than the control group)<sup>1</sup>
  - » Increased milk production (up to 10.1%) through greater energy reserves<sup>1</sup>
  - » Reduction in methane emissions by 7.5%<sup>2</sup>
- Commercial users observe many benefits including improvements in reproductive parameters, herd health, and milk somatic cell counts.
- Good science is repeatable. Terragen has proven product benefits in the lab, commercially on farm as well as independently controlled studies.

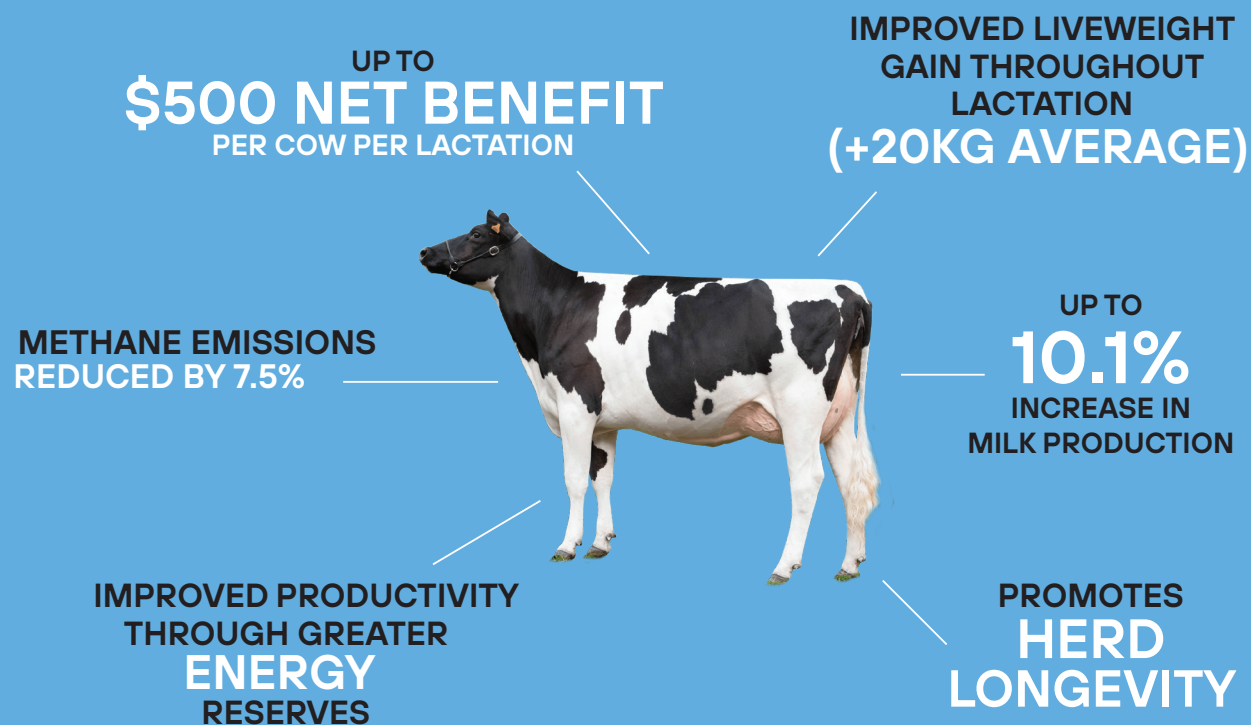
## MYLO<sup>®</sup> is FAMI-QS certified

FAMI-QS is a globally recognised accreditation scheme that ensures specialised feed supplement safety. The Code of Practice, led by the FIAAA (Feed Ingredients and Additives Association of Australia), covers requirements on good manufacturing processes, hazard control and quality assurance.



This accreditation is testament to Terragen's optimal bioprocessing and product quality standards. Our team aim to ensure our products are safe to use and are of the highest standard throughout the whole process, from manufacturing to being delivered to the customer.

**The FAMI-QS certification ensures the feed additives you use are ones you can trust.**



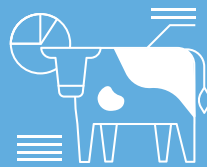
<sup>1</sup>Ramirez-Garzon, O.; Al-Alawneh, J.I.; Barber, D.; Liu, H.; Soust, M. The Effect of a Direct Fed Microbial on Liveweight and Milk Production in Dairy Cattle. *Animals* 2024, 14, 1092. <https://doi.org/10.3390/ani14071092>

<sup>2</sup>Williams, S Richard O et al. "The Effect of Direct-Fed Lactobacillus Species on Milk Production and Methane Emissions of Dairy Cows." *Animals* : an Open Access Journal from MDPI 13 (2023)

# Improved productivity, naturally, leads to a positive return on investment



A well-functioning rumen is vital for meeting the energy demands of a cow. Dosing with MYLO® daily improves digestion efficiencies, leading to improved liveweight maintenance and milk production.



- **GAIN MORE LIVELWEIGHT DURING LACTATION +20KG**
- **IMPROVE MILK YIELDS BY UP TO**

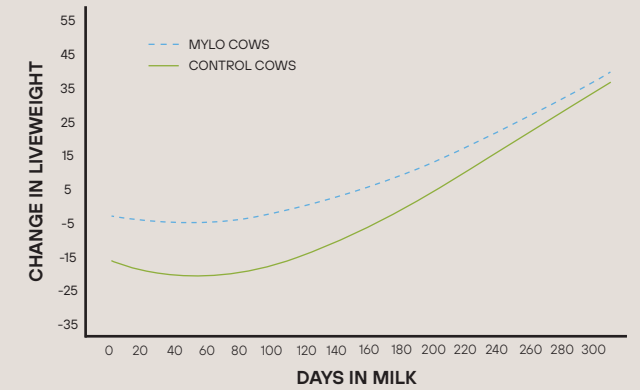
# 10.1%

- **+\$500 NET BENEFIT PER COW THROUGH IMPROVED MILK PRODUCTION<sup>^</sup>**

## ENHANCED RUMEN DIGESTION MEANS GETTING MORE ENERGY FROM THE SAME AMOUNT OF FEED

- Our research<sup>1</sup> found that cows on MYLO® as a daily supplement gained, on average, 20kg more liveweight during their lactation, leading to greater energy reserves to be used for milk production (up to 10.1%).
- Farmers report improvements in reproduction parameters, cell counts and fewer herd health issues after starting MYLO®.
- Return on investment data shows MYLO® is cost effective, up to \$500 annual benefit per cow net of MYLO® costs<sup>5</sup>

Lactating cows are the keystone of any dairy farm. We rely on our cows to provide high-quality milk as a source of farm income, and to produce calves which will become future herd members, both of which are metabolically demanding. As farmers, our job is to ensure they are getting the most energy from their feed, as this is paramount in maintaining health, optimising milk production, longevity and ensuring profitability for your farm.



MYLO® cows are able to gain more liveweight during their lactation, using this as an energy resource for improving productivity.

The bacteria in MYLO® improve digestion efficiencies, allowing your cows to get more energy from the same amount of feed. Our research<sup>1</sup> has shown that cows supplemented with 10mL MYLO®/day:

- Have increased milk yields (by up to 10.1%)
- Gain more liveweight during their lactation
- Are able to mobilise more energy (in the form of liveweight) after calving
- Are able to recover their liveweight more rapidly post-partum.

In addition, MYLO® has been shown to reduce methane emissions in cows by up to 7.5%<sup>2</sup>, through more efficient digestion processes. This is equivalent of 100 tonnes CO<sup>2</sup> reduction per year per farm<sup>3</sup>, the same emissions from 20 petrol cars per year!<sup>4</sup>

## RETURN ON INVESTMENT

Using MYLO® is a cost-effective method to increase farm profitability. A positive return on investment can be achieved through increased milk yields, with up to \$500 annual benefit per cow net of MYLO® costs<sup>5</sup>.

## HOW IS MYLO® GIVEN TO COWS?

MYLO® is given daily to cows through a mixer wagon or poured onto the ration. Pump systems can be installed to administer MYLO® onto the ration during milking.

## MYLO®:

- Is made of naturally occurring, living micro-organisms contains strains of Lactobacillus casei, Lactobacillus buchneri, and Lactobacillus paracasei
- Is free of antibiotics and chemicals
- Has no withholding periods
- Is certified for organic farming in Australia and New Zealand.



<sup>1</sup> Ramirez-Garzon, O.; Al-Alawneh, J.I.; Barber, D.; Liu, H.; Soust, M. The Effect of a Direct Fed Microbial on Liveweight and Milk Production in Dairy Cattle. *Animals* 2024, 14, 1092. <https://doi.org/10.3390/ani14071092>  
<sup>^</sup> ROI based on 10% milk increase at current milk prices as of July 2024

<sup>1</sup> The Effect of a Direct Fed Microbial on Liveweight and Milk Production in Dairy Cattle, Ramirez-Garzon et al., 2024

<sup>2</sup> Ellinbank SmartFarm Research, 2022

<sup>3</sup> For 350-cow farm

<sup>4</sup> Data from US EPA

<sup>5</sup> Based on 10% milk production increase at farmgate price of \$8.50 per kg milk solids



# — Why use biological products?

## What are biologicals?

The connection between gut bacteria and good health is fuelling the use of probiotics in both humans and animals across the globe. Microbial-based biological products are increasingly becoming recognised as the keys to sustainable farming, reducing chemical use, and ultimately developing a healthier ecosystem for everyone to enjoy.

Microbes are live bacteria and yeasts found all around us every day. Microbial bacteria are classified by genus, species, and strain. Each is unique, and each has different properties.

A probiotic consists of live beneficial microbes (specifically bacteria and yeasts) that, when consumed, live within the animal and support a healthy digestive system. It aims to affect the gut environment in a way that advantages the 'good' bugs that support the animal's wellbeing at the expense of 'bad' bugs that prevent the animal from thriving.

## Why feed a biological product to cows?

When a cow or heifer enters the milking herd after calving, her metabolic requirements dramatically increase. This early lactation period is exceptionally energy-demanding, with peak milk yields being achieved within the first 6 weeks. In contrast, her dry matter intake (DMI) reduces during the dry period and often does not return to capacity until after peak lactation. Therefore, the cow entering lactation can be prone to falling into a negative energy balance as her energy output exceeds her DMI.

Good body condition management unsurprisingly correlates heavily with increases in milk yield and reproductive success. MYLO® has been proven to improve bodyweight maintenance in lactating cows, allowing them to improve productivity through increased feed conversion.

# — MYLO® improves milk production and fertility in dairy cows

## Here's what farmers are saying about MYLO®

I've noticed MYLO® has really increased our cows' fertility and conception rates, with data from our collars showing a higher heat index when they're on the feed supplement.

Using MYLO® gives me more confidence in using sexed semen when joining my cows, while the increase in milk solids has also been a bonus.

**DARREN VICKERS**  
WYNDARA FARMS, DIXIE, VICTORIA

With MYLO®, our bulk milk cellcount is down 40% (145K-87K), milk production is up and fertility is stronger.

**MARTIN AND JO NAILER**  
RINGAROOMA, TASMANIA





# MYLO<sup>®</sup> drum sizes

Which MYLO<sup>®</sup> drum size suits my herd?

		HERD SIZE (NO. OF COWS)					
		100	200	500	800	1000	2500
DRUM SIZE (L)	20L	20	10	X	X	X	X
	200L	X	100	40	25	20	X
	1000L	X	X	X	125	100	40

NO. OF DAYS A MYLO<sup>®</sup> DRUM WILL LAST  
(X = NOT RECOMMENDED DUE TO HERD SIZE)

RRP per 10mL dose (excl. GST)



**20L**

= 12.5c/dose

\$37.50/cow/lactation



**200L**

= 12.3c/dose

\$36.90/cow/lactation



**1000L**

= 10.5c/dose

\$31.50/cow/lactation

With a ROI of up to \$500 net benefit per cow per lactation\*

\* Based on milk price of \$8/kg MS with 10% increase in milk yield.





# How to use MYLO®

## Q: HOW CAN I SUPPLEMENT MY ANIMALS WITH MYLO®?

A: MYLO® is given daily to cows through a mixer wagon or poured onto the ration. Pump systems can be installed to administer MYLO® onto the ration during milking. Contact your local Terragen sales representative for more information.

## Q: HOW MANY TIMES A DAY SHOULD MY COWS BE FED MYLO®?

A: We recommend a 10mL/day dose, usually split at 5mL per morning and evening milking.

## Q: WHAT SIZE OF DRUM DOES MYLO® COME IN?

A: MYLO® comes in 20L, 200L and 1000L (IBC).

## Q: WHAT IS THE SHELF LIFE OF MYLO®?

A: Six months from the date of manufacture. See the label on your drum to find that date.

## Q: WHERE SHOULD MYLO® BE STORED?

A: Out of direct sunlight and in a cool place. Replace cap securely to minimise contamination (please note: this is a gas cap).

## Q: WHAT IS THE DOSE RATE FOR MYLO®?

A: We recommend 10mL per head per day. For sick animals, up to 40mL per day for 7 days can be administered to support gut health.

## Q: WHAT IS IN MYLO®?

A: MYLO® contains the following species:

- Lactobacillus paracasei
- Lactobacillus casei
- Lactobacillus buchneri

## Q: WHAT IF I'M TREATING AN ANIMAL WITH ANTIBIOTICS?

A: There is no reason why you shouldn't continue to use MYLO® whilst using antibiotics, MYLO® will be providing good bacteria into the gut during this time. However, we recommend you speak to your vet for more advice around using a probiotic alongside antibiotic treatments.

## Q: WHAT IS THE COLOUR OF MYLO®?

A: MYLO® is a golden-brown colour.

## Q: IS THERE A WITHHOLDING PERIOD FOR MYLO®?

A: No

## Q: WHERE SHOULD MYLO® BE STORED?

A: Containers must be stored under cover, away from direct sunlight and with cap put back on, or use a sealed pump, to keep container sealed (please note: we use a gas cap).





# Who is Terragen?

We are Terragen, an innovative agricultural biological company. We are changing the face of global agriculture by reducing the reliance on chemical-based agricultural products.

In a world where modern farming is under increasing pressure to meet regulations, operate profitably and protect the land for future generations. Terragen gives farmers an advantage with a natural, sustainable and chemical-free way to farm.

A way that increases productivity, provides a return on investment and is environmentally sustainable. Terragen does this by creating proprietary biological products that amplify nature to improve animal wellbeing, soil quality and crop growth.

Terragen is passionate about becoming the world's leading agricultural biological company, developing new ways to approach the challenges of 21st century farming and contributing to healthier animals, healthier people and a healthier planet.

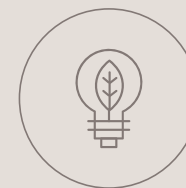


## Our Purpose



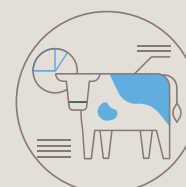
### WHO WE ARE

Terragen is an agricultural biological company changing the face of global agriculture.



### WHAT WE DO

We harness the power of nature through world-class science creating biological products that improve animal wellbeing, soil quality and crop growth. Ultimately, our products assist farmers environmentally sustainable.



### PURPOSE

To be the world's leading agricultural biological company the challenges of 21st century farming, contributing to healthier animals, healthier people and a healthier planet.



### WHY WE EXIST

Our calling is to propel agriculture into the future by developing proprietary biological products that amplify nature, giving the farmer an advantage in a natural, sustainable and chemical-free way.



### OUR DNA

Led by nature  
Proven by science  
Driven by microbes  
Centred on farmers obsessed with sustainability





# Terragen

See what other farmers  
are saying about MYLO®  
and get in touch with  
your local stockist or  
reseller:

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W: [terragen.com.au](http://terragen.com.au)

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