



**Terragen**

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# MYLO<sup>®</sup>/calf

— Introducing MYLO<sup>®</sup>, a liquid probiotic, backed by science, that's proven to improve calf health, accelerate rumen development and increase liveweight gains, naturally.



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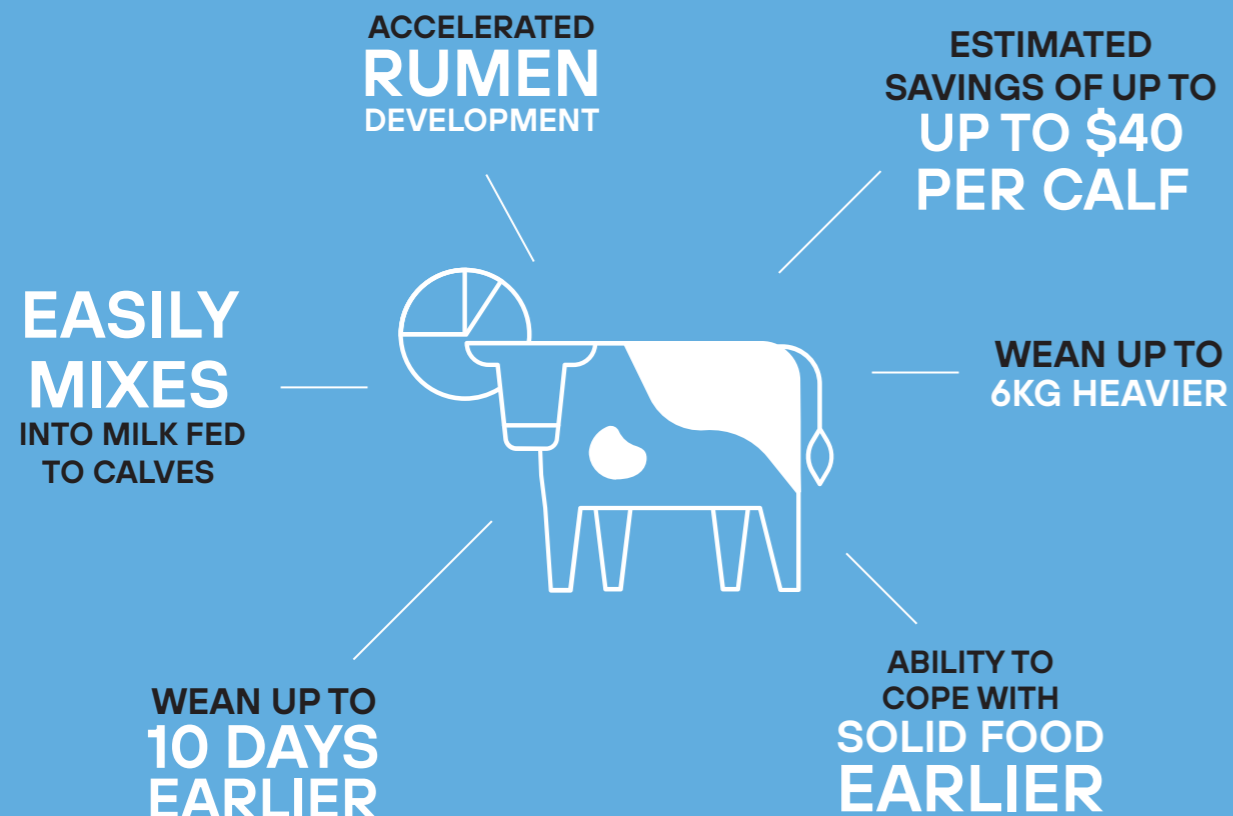


# MYLO<sup>®</sup> / calf

## 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 =  $3 \times 10^7$  microbes per mL

**MYLO<sup>®</sup> calves are heavier, healthier & happier with earlier weaning**



## Benefits

- Aids in building the population and activity of beneficial microbes in the gastrointestinal tract of livestock for benefits in health and weight gain.
- Calves fed with MYLO<sup>®</sup> are likely to develop larger gastrointestinal organs and villi are larger and wider which means better feed absorption. These observations have been made in an independent study conducted by the University of Queensland.\*
- Better growth, earlier weaning (up to 6kg heavier and wean up to 10 days earlier - independent study conducted by the University of Queensland).
- By reaching target liveweights faster farmers are achieving milking & reproductive potential (life long productivity benefits).
- Commercial users have observed many benefits of increased vitality and general health, revitalising sick animals, reduction in calf mortality.
- In 2021 80,000 calves across Australia were fed MYLO<sup>®</sup> daily, which led to improved calf health and growth rates.
- 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.

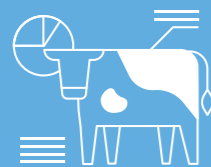
**The FAMI-QS certification ensures the feed additives you use are ones you can trust.**

\* Alawneh, J.I.; Ramay, H.; Olchoway, T.; Allavena, R.; Soust, M.; Jassim, R.A. Effect of a Lactobacilli-Based Direct-Fed Microbial Product on Gut Microbiota and Gastrointestinal Morphological Changes. *Animals* 2024, 14, 693.

# — Amplify nature for better calf growth and business results



A healthy gut is the key to successfully rearing calves. Integrate MYLO® into your daily calf feed to amplify nature for improved gut function and accelerated rumen development.



- REACH TARGET WEIGHTS UP TO 10 DAYS EARLIER
- WEAN AT UP TO 6KG HEAVIER

## +6kg

- IMPROVES YOUR CALVES HEALTH AND WELL-BEING

### HEALTHY CALVES COST LESS TO RAISE AND GROW TO BE TOP PERFORMERS.

#### INCREASE FEED EFFICIENCY AND GROWTH RATES

In 2021 an estimated 80,000 calves across Australia were fed a daily ration of MYLO®.

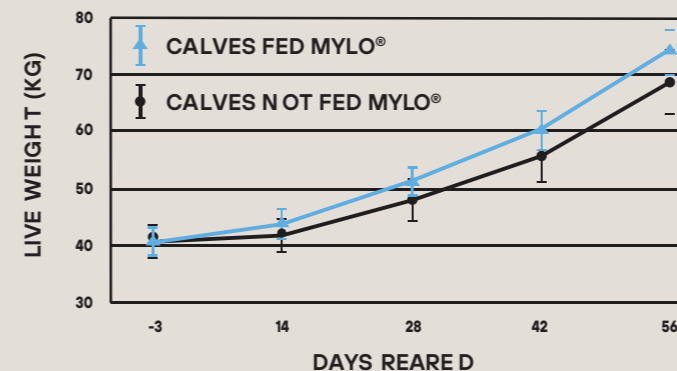
Calf-rearers report improved calf health and increased growth rates in calves fed MYLO®.

The University of Queensland's School of Veterinary Science research found calves that received MYLO® as a daily supplement were 8%, or approximately 6kg, heavier at weaning than calves on the same feed without MYLO®.

#### ACCELERATE RUMEN DEVELOPMENT

MYLO® enhances gut development in pre-weaned calves.

Calves fed MYLO® have heavier, more developed gastrointestinal organs meaning there is greater surface area to digest feed and absorb nutrients. The good gut bacteria found in MYLO® out-compete potentially harmful bacteria leading to increased feed efficiency more energy, and better-quality calves.



MYLO® PERFORMANCE: CALF GROWTH IN THE UNIVERSITY OF QUEENSLAND STUDY

#### KICK START THE MICROBIOTA

"When a calf is born, we hope they have a long, productive life ahead of them. We know that productive cows begin life as healthy calves, and therefore the job of calf-rearing is incredibly important. By starting MYLO® in your calves from birth, you are ensuring their gut is populated with 'good' bacteria. These bacteria improve feed digestion, ensuring your calves get the most nutrients from their diet, improving growth rates and enhancing gut development, allowing for earlier weaning."

TOM BAYES, BVETMEDSCI BVM BVS (HONS) TECHNICAL VETERINARIAN, TERRAGEN

#### BOTTOM-LINE BENEFITS

Feed MYLO® and wean earlier. It means less feed, less staff time and lower animal health costs.

#### WEAN 10 DAYS EARLIER AND SAVE

MILK @ 50C/L * 5L PER CALF PER DAY	\$2.50 PER CALF PER DAY	\$25 PER CALF OVER TEN DAYS
LABOUR @ \$29/HR	5 MIN FEEDING PER CALF/ DAY = \$2.40	\$24 PER CALF OVER TEN DAYS
MYLO @ 10ML PER CALF PER DAY	14c PER CALF PER DAY	\$7.84 PER CALF OVER 56 DAY WEANING PERIOD
<b>TOTAL SAVINGS</b>	<b>10 DAYS MILK SAVED + 10 DAYS LABOUR (-56 DAYS OF MYLO) = \$41 PER CALF</b>	

#### EASY TO USE

Making MYLO® part of your daily calf rearing regime is simple. A liquid formula, it mixes easily with daily feed rations at a rate of 10ml/calf per day. Store at ambient temperature.

#### 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.



# — 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. Microbials like when consumed in sufficient quantities or the right combination.

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 calves?

When a calf is born, its gut is immature and easily affected by bad bacteria and pathogens. The microbiome established in the calf's gastrointestinal tract will impact that animal for life. Feeding MYLO® gives your calves stronger immunity, establishing the right microbes to tackle disease causing organisms and reduce stress on the immune system. This allows calves to grow into healthier, more productive cows.



Using MYLO® has helped produce much healthier calves on the Baxter dairy enterprise, at Ellerslie, south-east Victoria.

Chris Baxter said scours was always an issue with the calves and MYLO® was recommended as an option to help support health in the young stock.

It was used at the Baxter dairy as soon the first calves were born in April, with 10 mL per day added to the milk for every calf.

Mr Baxter said the results had been outstanding with the calves responding well.

"The calves have done really well on MYLO®. They are showing good weight gains, are nice and shiny and are very healthy."

"There is nothing worse than sick calves," he said. "They are worth too much to be sick."

Just one calf was lost during the period which is significantly reduced compared to previous years.

"One of the biggest advantages is the time savings. We were not spending time with electrolytes and drugs."

CHRIS BAXTER  
BAXTER FARMS, ELLERSLIE, VIC

# — How to use MYLO®

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

A: Shake or agitate container before use. Deliver orally as a feed supplement diluted in milk or calf milk replacer. Add to milk prior to feeding or add to milk powder after you have mixed with water. Give a quick stir.

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

A: You can give MYLO® to calves either once or twice a day – as long as it's 10mL per calf per day and it's getting consumed.

## Q: OVER WHAT PERIOD IS MYLO® USED?

A: Daily from birth to weaning. If animals are weak, increase MYLO® feeding rate to 40mL/day for up to 7 days.

## 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.

## Q: WHAT IS IN MYLO®?

A: MYLO® contains the following species:

- Lactobacillus paracasei
- Lactobacillus casei
- Lactobacillus buchneri

## Q: SHOULD FARMERS STOP FEEDING CALVES MYLO® IF THE ANIMAL IS SICK AND ON 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, if the vet has recommended using antibiotics, we recommend taking the vet's advice.

## Q: HOW LONG CAN MYLO® BE LEFT IN CALF MILK?

A: Terragen recommend adding MYLO® to fresh milk or calf milk replacer being fed to calves on a daily basis but this can be done up to 24 hours before feeding.

## 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



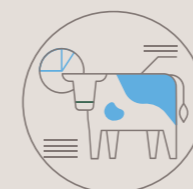
### WHO WE ARE

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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