



Terragen

MYLO[®]/calf

— Introducing Mylo[®]/calf, a next generation natural feed supplement that's proven to help improve calf health, and increase rumen development and weaning weights, providing strong financial returns.

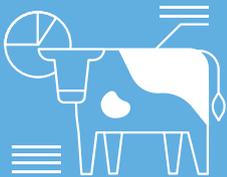


— Amplify nature for better calf growth and business results.

It's common knowledge that healthy calves grow into productive cows. With Mylo[®]/calf, you can rest assured your calf is getting the goodness it needs to grow into a top performer.

Mylo[®] is proven to accelerate the development of the rumen and improve digestibility of feed, leading to improved nutrient absorption. Heifers that reach their target liveweights will have the best chance of reaching their milk production and reproductive potential.

LOOKING FOR A PRODUCT THAT GETS RESULTS?



ACCELERATED
Rumen Development

WEAN UP TO
10 days
earlier*

WEAN UP TO
6kg heavier*

IMPROVE
Health and Immunity

Better calves, better returns.

GOOD FOR GROWTH.

Calves on Mylo[®] are up to 6kg heavier than those on standard feed*.

GOOD FOR GUTS.

Calves fed Mylo[®] have heavier, more developed gastrointestinal organs, helping with digestion and nutrient absorption*.

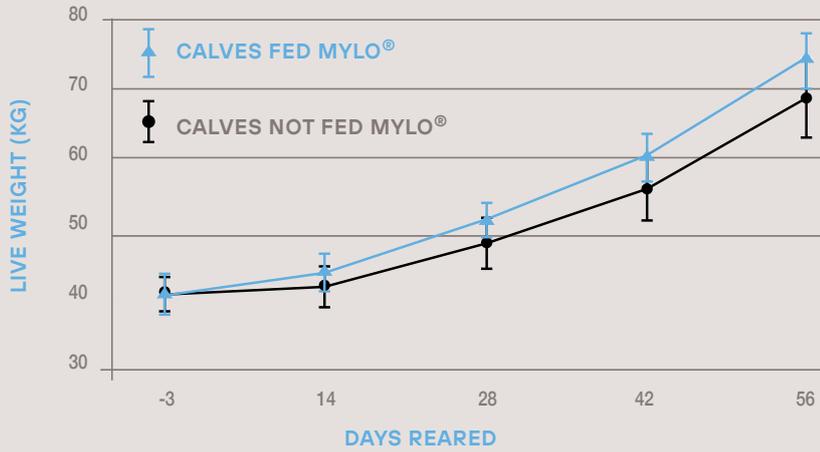
MYLO[®]/calf:

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

* University of Queensland School of Veterinary Medicine, 2019.

View full study at terragen.com.au/mylo-s-effect-on-the-live-weight-of-calves

Mylo[®]'s effect on the live weight of calves in an independent research study by the University of Queensland.



6 kg heavier

WEAN 10 DAYS EARLIER AND SAVE

**MILK @ 50C/L * 5L
PER CALF PER DAY**

\$25 PER CALF

**LABOUR 1HR
PER DAY @\$20/HR**

\$20 PER CALF

Add Mylo[®]

**MYLO[®] AT 12C/HEAD
PER DAY (56 DAYS
WEANED)**

\$6 PER CALF

**TOTAL SAVINGS
PER CALF**

\$19

BOTTOM-LINE BENEFITS.

With Mylo[®], you can wean calves earlier, which means less feed, less staff time and lower animal health costs.

FOR CALVES THAT ARE ON THE GROW.

The good gut bacteria out-perform potentially harmful bacteria, leading to increased feed efficiency, more energy and better-quality calves.

THOUSANDS OF REASONS TO USE MYLO[®].

In 2021, 80,000 calves across Australia were fed Mylo[®] daily which led to improved calf health and growth rates.



— Microbial power.

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.

Mylo[®]/calf contains a special selection and blend of live microbes. These microbes have a massive impact on the development and function of the animal's gut (rumen and intestinal system), amplifying nature for improved gut function and accelerated rumen development.



“Feeding Mylo[®] is proven to give the calf an advantage from the inside out. It introduces beneficial bacteria into the gut early, tipping the microbiota balance, so feed is easily and efficiently digested, and made available to the calf to grow and flourish.”

DR MARTIN SOUST, PHD
HEAD OF SCIENCE AND
TECHNOLOGY

WHAT ARE MICROBES?

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 Mylo[®], when consumed in sufficient quantities or the right combination, will provide a health benefit.

HOW DO THEY WORK?

The right mix of microbes increases the amount of good bacteria in the gut, helping with fermentation in the rumen. These beneficial bacteria out compete pathogens, which fight for nutrients in the gut. Microbes also improve digestion, increasing the rumen and intestinal linings which means nutrients and energy are easy to access and absorb.

WHY FEED MICROBIALS TO CALVES?

When a calf is born, its gut is immature and easily affected by nasty 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 your calves to grow into healthier cows.

LESS DEVELOPED RUMEN WALL



NOT ALL MICROBES ARE EQUAL.

Mylo[®]'s incredible story began with our world class scientists looking for individual microbial strains that could benefit both cows and calves.

They already knew several microbial bacteria in the Lactobacillus genus (which was originally isolated from cows' milk) had been used for years in food processing for dairy products, and to improve silage fermentation.

Through their expertise in genome sequencing and bioinformatics, we were able to spot individual strains of Lactobacillus casei, Lactobacillus buchneri and Lactobacillus paracasei, which now form the basis of the Mylo[®] product you see today.



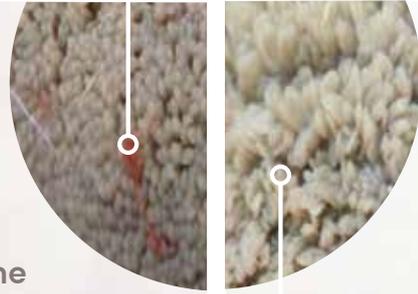
NEXT GENERATION TECHNOLOGY AND INNOVATION.

Mylo[®] is made with AmpliBoost technology and innovation. This is Terragen's proprietary IP for developing world-class biological products.

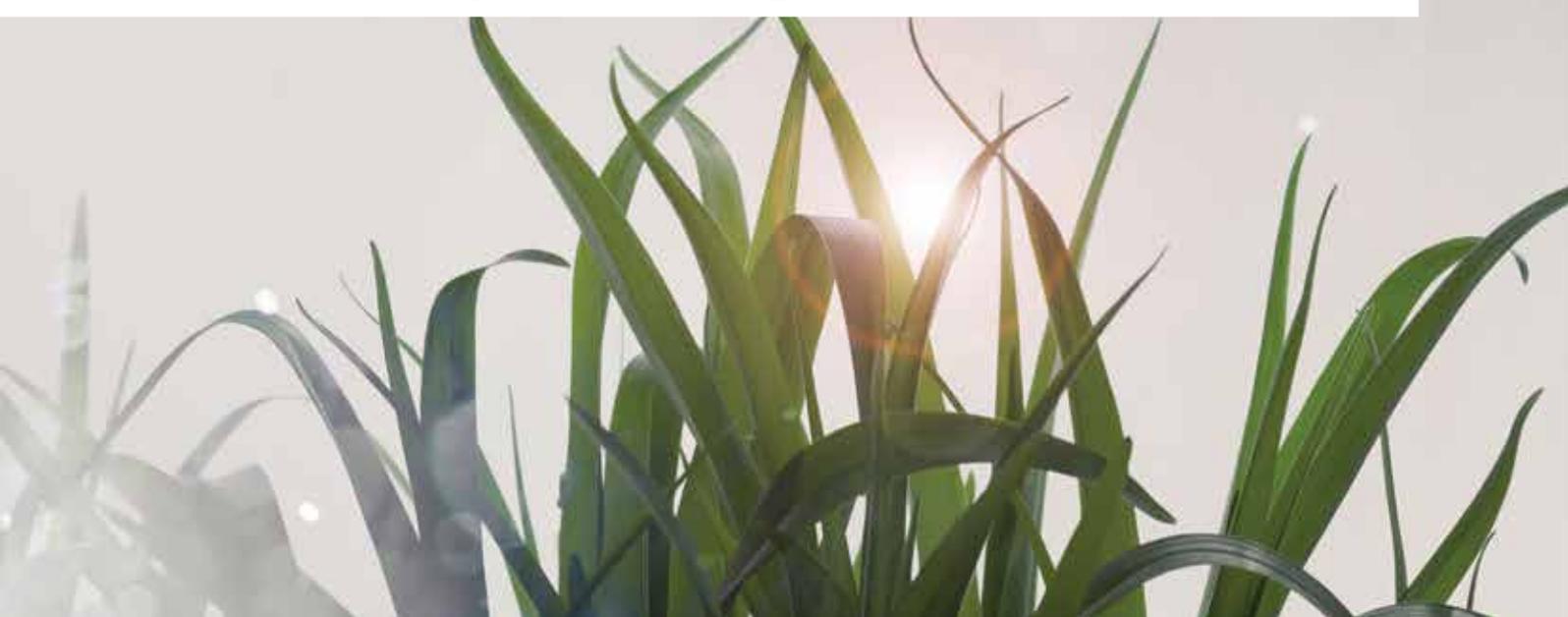


SCIENCE PROVES IT WORKS.

We made a scientific breakthrough, identifying and combining specific strains of Lactobacillus casei, Lactobacillus buchneri, and Lactobacillus paracasei, which are scientifically proven to amplify nature, and improve calf health and rumen development. Our independent research has been conducted with University partners and through real world case studies.



MORE DEVELOPED RUMEN WALL



Mylo[®] delivers exceptional weaning weight and rumen development results.

Independent research by the University of Queensland School of Veterinary Science found calves supplemented with Mylo[®] were 8% heavier at weaning, had more uniform weaning weights, and had heavier, better developed, gastrointestinal tract organs compared with calves not fed the supplement.

8% HEAVIER AT WEANING

METHOD → Forty-four three-day old calves were split into two groups and housed in individual pens to reduce the risk of cross contamination with commonly occurring health ailments.

The feeding regime for both groups consisted of milk replacer at 15% of their body weight, fed in a bucket twice a day, plus access to hay, grain pellets, and clean water through the study period. Mylo[®] was added to the milk replacer of one group.

The calves were fed for 56 days, consistent with the weaning age at the university's dairy operation.

RESULTS → The calves fed Mylo[®] experienced accelerated gut structure development, an increase in the surface area of the gut lining and were heavier.

WEANING WEIGHT AT 56 DAYS

	AVERAGE CALF WEIGHT (KG)
CONTROL GROUP	69.18kg
MYLO [®] FED GROUP	75.01kg
Difference	5.83kg 8.4%

The abomasum, reticulum and duodenum were heavier in calves supplemented with Mylo[®].

AUTOPSY RESULTS	TREATED GROUP Average weight (kg)	CONTROL GROUP Average weight (kg)	Difference
Duodenum with digesta	87g	33kg	54g 163% (p= <0.05)
Abomasum without digesta	450g	390kg	60g 15% (p= <0.05)
Reticulum without digesta	357g	257kg	100g 39% (p= <0.05)



7.7kg

HEAVIER AT WEANING

Rumen and intestinal development were more pronounced in the group fed Mylo[®], with longer and wider papillae in the rumen and villi in the intestine.

PAPILLAE	LENGTH (MM)	WIDTH (MM)
CONTROL	1.31mm	0.22mm
TREATED	1.75mm	0.37mm
Difference	33%	68%

MYLO[®]'S TOP PERFORMANCE IN COMMERCIAL FIELD TRIALS.

Calves fed Mylo[®] on a South Australian dairy farm weaned 7.7kg heavier, with lower costs per head and on-going growth differential beyond weaning.

METHOD → Calves are normally grown for a period of 70 to 90 days, or until they achieve weaning weights of approximately 120kg per head.

Two groups of 15 calves were monitored from 4 days old. One group was given 10mL per day of Mylo[®] in the same milk ration. Average growth rate was estimated after deducting 38kg (average birth weight) from the live weight of each calf. The general health condition of the calves was observed and recorded.

RESULTS →

WEANING WEIGHT AT 82 DAYS

	AVERAGE (KG)	ESTIMATED AVERAGE GROUP RATE (g/day)
CONTROL GROUP	105.13kg	819
MYLO [®] FED GROUP	112.83kg	913
Difference	7.7kg (7.3%)	94g/day (11.5%)

The calf rearers noted typical signs of better health in calves fed Mylo[®], including more energy, shiny coats, and stronger appetite.



EASY AS ANYTHING.

Making Mylo® part of your daily calf rearing regime is really simple. A liquid formula, it mixes easily and best results happen when it's added to their daily milk intake.

Mylo® feed supplement is suitable for both calves and cows. The effects are different for each. For further information, refer to terrigen.com.au

TARGET	Microbial Livestock Feed Supplement
FEEDING RATE	10mL per animal per day.
CONDITIONS	For use in any condition.
TIMING	Typically a single feeding per day. Can be split between two feedings per day.
METHOD	Can be diluted in milk or CMR. To be consumed voluntarily by the animal.
FREQUENCY	Young livestock: Daily from birth to weaning. If animals are weak, increase Mylo® feeding rate to 40mL/day for up to 7 days. Dairy milkers: Daily from 2 weeks before calving and through 300-day lactation. Ideally in with lead feed. Beef cattle: Daily through animal's growth period. Daily for cows before calving.
WITHHOLDING PERIOD	Nil.
STORAGE	Store at ambient temperature away from direct sunlight and in a well-ventilated place. Minimise temperature fluctuations. Avoid freeze/thaw cycles.
AFTER OPENING	Replace cap securely to minimise contamination.
SHELF LIFE	6 months after production date. The Use By date is valid only for unopened containers, stored under the specified conditions.

— Changing the face of global agriculture.

Terragen harnesses the power of nature through world-class science, creating biological products that improve animal wellbeing, soil quality and crop growth.

We're committed to driving change in the rural sector, and believe our innovative products can make a real difference for animals and the environment.

We're constantly looking for natural solutions to some of the major challenges facing farmers, developing products that increase productivity, provide a strong return on investment and are environmentally sustainable.



Terragen

terrigen.com.au

LIKE TO KNOW MORE? GET IN TOUCH.

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