# START STRONG, FINISH STRONGER



YOUR PARTNER FOR PERFORMANCE



# Healthy Calf Advice





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My Calf Milk Replacer is:

Volac Milk Replacers Limited

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# Volac Milk Replacers and the milk circle 03



## 04 Milk Replacer



The Feed for Growth initiative is to help our farmers do the best for their calves and ultimately grow better cows.

### By growing better cows we mean:

- More lactations (surviving long enough to become profitable)
- Sustain high milk yields

• Conceive at the desired time of breeding Achieving an age at first calving of 23-25 months is key in terms of fertility, milk yield and survival over the first 5 years of a dairy cow's life.

### Factors influencing growth rate:

- Colostrum feeding
- Milk feeding (type, amount, system)
- Housing (ventilation, drainage, bedding, pen design)
- Weaning management
- Post-weaning nutrition (concentrate, roughage, grazing)
- Vaccination / disease management

### Monitoring growth

It's important to set growth targets on farm, and regular measurement of your herd is essential. Your heifers must be big enough at breeding time.

Growth rates cannot be determined by eye. Weight should ideally be monitored by calibrated electronic scales or a weigh band. Skeletal growth (e.g. height at withers) can be monitored with a height stick.

### Scale readings

Electronic scales are highly accurate and, when set up correctly in a race or crush, the easiest method.

### Correct use of a weigh band

A weigh band estimates live weight in kilos via measurement of heart girth. Accuracy is good due to the high correlation between weight and girth measurements

### Skeletal growth

Height at withers is a good indicator of skeletal growth - it helps avoid serving small, fat animals too soon. It is best measured using a height stick.

### Consistent measuring

Once you have an accurate measure of calf growth rates, nutrition can be adjusted accordingly and target growth rates achieved





Benefits of calving at 24 months	23-25 mth AFC	26-30 mth AFC	>30 mth AFC
Days to conception, Lactation 1	117d	137d	170d
Days to conception, Lactation 2	111d	133d	144d
Total 5 year milk yield	22,477kg	20,605kg	15,777kg
% life in first 5 years spent in milk	45%	40%	34%
% cows starting lactation 3	70%	59%	50%

Cooke et al. Open Journal of Animal Sciences 3 (2013)1-12

### Milk Replacer 05

### A quality milk replacer is vital in giving calves the best possible start in life.

### How to mix the milk



#### Concentration

To mix your milk correctly use scales to weigh the milk powder accurately. For a concentration of 15% solids, use 150g of powder to 850ml water to make up 1 litre of mixed milk. Using a full litre of water will lead to a weaker milk concentration.

Be consistent in your mix – you can use any concentration between 10 and 15% solids, but once you've chosen do not vary that concentration. Total milk solids fed will affect the growth rate of your calves.

#### Temperature

Milk should be fed at a consistent temperature of between 37°-39°C - a consistent temperature helps ensure a good oesophageal groove closure which channels milk into the abomasum. The spillage of milk into the rumen will increase the risk of scours, resulting in poor growth.



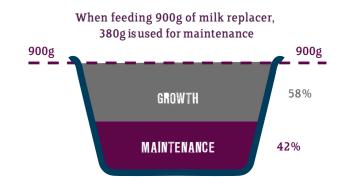
Water used to mix milk replacer should always be below 45°C - otherwise you'll damage the proteins which are essential to calf performance.

### How much milk replacer to feed?

The energy bank balance

Feeding low levels of milk replacer will not achieve the necessary growth rates required to get heifers calving down at the correct weight at 24 months old. Furthermore to achieve a minimum growth rate of 0.7kg/day pre-weaning, a minimum of 750g-900g of milk solids per calf per day should be fed in at least two feeds.





#### Leaving 520g of milk powder available for growth within thermoneutral conditions

\*A healthy calf in a low disease environment under thermoneutral conditions (15-25°C) Source: National Research Council (2001) Nutrient Requirements for Dairy Cattle 7th rev.

## **06** Calf Weaning

### Weaning can be defined as the point when calves transfer from a liquid to solid diet. This is carried out successfully when the rumen has developed sufficiently to support the fermentation and digestion of solid feed.

#### Rumen development

Rumen development can be influenced bu diet. A healthy rumen should have visible papillae and a dark colouration, resulting from the development of the rumen microbial population and large blood vessels associated with tissue growth, ensuring maximum absorption, transport and utilisation of nutrients.

### Timing of weaning

The early intake of solid feed helps to condition the immature rumen and encourage it to develop so that the calf can eventually obtain a high proportion of its nutrient requirements from solid rather than liquid feed at an earlier time than would happen naturally.

Rather than weaning at a fixed time, it is best done when the calf is consuming a minimum daily target of 1.5kg per day of solid feed for 3

consecutive days. Remember a rapid increase in starter intake at weaning does not allow enough time for the rumen to develop - the amount of starter that has been consumed for 3 weeks before weaning is key for rumen development.

#### Water

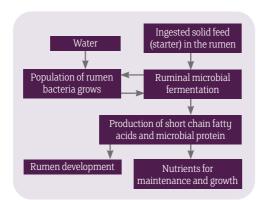
Irrespective of the tupe of rearing system used on your farm easy access to fresh water and calf starter from the beginning of the rearing period will aid earlier rumen development.

### Forage

Offering forage alongside starter feed is also important for rumen development. Chopped forage (about 3-4 cm chop length) should be provided separately from the starter (i.e. do not mix the forage into the starter). If chopped forage is not available, provide long fibre by offering forage in racks (a separate source from the bedding).

### The importance of solid feed:

Rumen development is largely driven by the fermentation of calf starter by the rumen bacteria.



Weaning should be done gradually by reducing milk fed over a 21day period.





#### Gradually reduce milk intake



#### 1.5 kg/d solid feed x 3 days (minimum)



Fresh water intake increased





### Stages of rumen development:

#### 12-16 weeks

0-6 weeks 6 weeks Mature ruminant Milk is bypassing the rumen directly Consumption of solid feed and other Post weaning the calf has a functional The rumen is now fully functional. into the abomasum for digestion. factors encourages development of the rumen which provides the calf with its rumen wall and rumen volume. nutrient supply. RUMEN 65% Oesophagus 0masum 10% -- Reticulum 5% Omasum 10% — Reticulum 5%

# The Healthy Calf 07

More than half of calves on UK farms suffer from disease before weaning; nearly all of this is due to scours and respiratory disease (RVC, 2013).

> DON'T LET ILL HEALTH BECOME **NORMAL** – identify and act at the first signs of problems

Identifying common problems early gives you the chance to:

- Reduce the severity and duration of the disease<sup>1</sup>
- Reduce the risk of irreversible damage (e.g. lung damage)<sup>2</sup>
- Reduce harmful bugs in the environment<sup>3</sup>
- Reduce the spread of disease<sup>3</sup>

1. Check calves at least twice a day – are your calves healthy? 2. Identify common problems early – use the chart 3. Record and monitor early signs of disease 4. Treat if necessary - in accordance with your vet 5. Make preventative or corrective measures

DON'T LEAVE IT TOO LATE! REMEMBER. **GOING OFF MILK** IS A LATE SIGN **OF DISEASE** 



ACT NOW Implement the treatment plan agreed with your vet

## 8 Are you Feeding a Healthy Calf?

The aim of every calf and youngstock rearing unit should be to rear healthy animals with minimal mortality and optimal growth rates.

A healthy calf, in a warm and dry environment, has the best chance of achieving its full lifetime potential<sup>1</sup>:

### A healthy calf uses its feed more efficiently

Calves use their feed in lots of ways. Firstly they must maintain their normal body functions, then they use energy to keep themselves warm and fight disease and finally energy left over can be used for growth.

### A healthy, warm calf - ideal



### A sick. cold calf - inefficient



A sick, cold calf has the same maintenance requirement. But it needs almost all of it's remaining energy to keep warm and fight disease so growth is slow and inefficient.

These examples illustrate a calf with a good feed allowance. Remember, a calf may not even have enough energy to keep warm or fight off disease, let alone grow.

#### Head

• Clear eyes and nose: no discharge • Easy, slow breathing: no coughing or wheezing • Alert ears: *not droopy* • Well healed ear tags: *no pus* 



calves is 38-39°C (100-102°F)

#### Hindguarters • Clean and dry: no faeces • Good body condition: not too thin

Eating

Appearance

or slow to stand

and no pus

dullness or iniuries

• Keen to drink milk and eat solid feed

• If over one month, check left flank for

• Bright, curious and playful: *not dull* 

• Good coat condition: no hair loss.

• Dry and small navel: not swollen

rumen fill: not hollow or bloated



### Whey Protein or Skim? 9

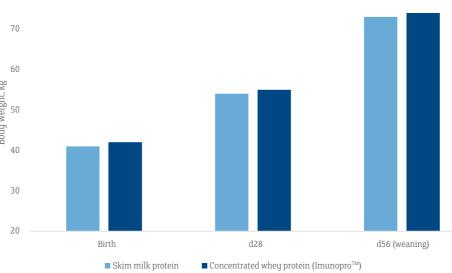
### Which dairy protein is right for your calves? Dairy ingredients are the main source of protein used in Calf Milk Replacers – Whey proteins or Skim proteins.

### What is the difference between Whey and Skim proteins?

Whey proteins do not form a clot within the abomasum, they pass readily into the small intestine and are easily digestible.

> Do both Whey proteins and Skim proteins deliver good calf performance and growth?

> > Holstein calves fed milk replacer containing whey protein have the same growth rates as those being fed a skim-based product.



Remember it is the quality and processing of the dairy protein (of both whey and skim) that are used in a milk replacer which is the most important, not necessarily the type of protein. In addition, not all whey is the same - whey powder is lower in protein than concentrated whey protein (**IMUNODro**<sup>™</sup>)

Whey proteins contain high levels of immunoglobulins and amino acids which are crucial for calf development (colostrum contains 65% whey protein, which is three times the amount in whole milk). However, it is important to remember that all whey proteins in Calf Milk Replacer are not the same - quality dairy protein and specialised manufacture is key to capturing these all-important nutrients.

### Concentrated goodness for your calves

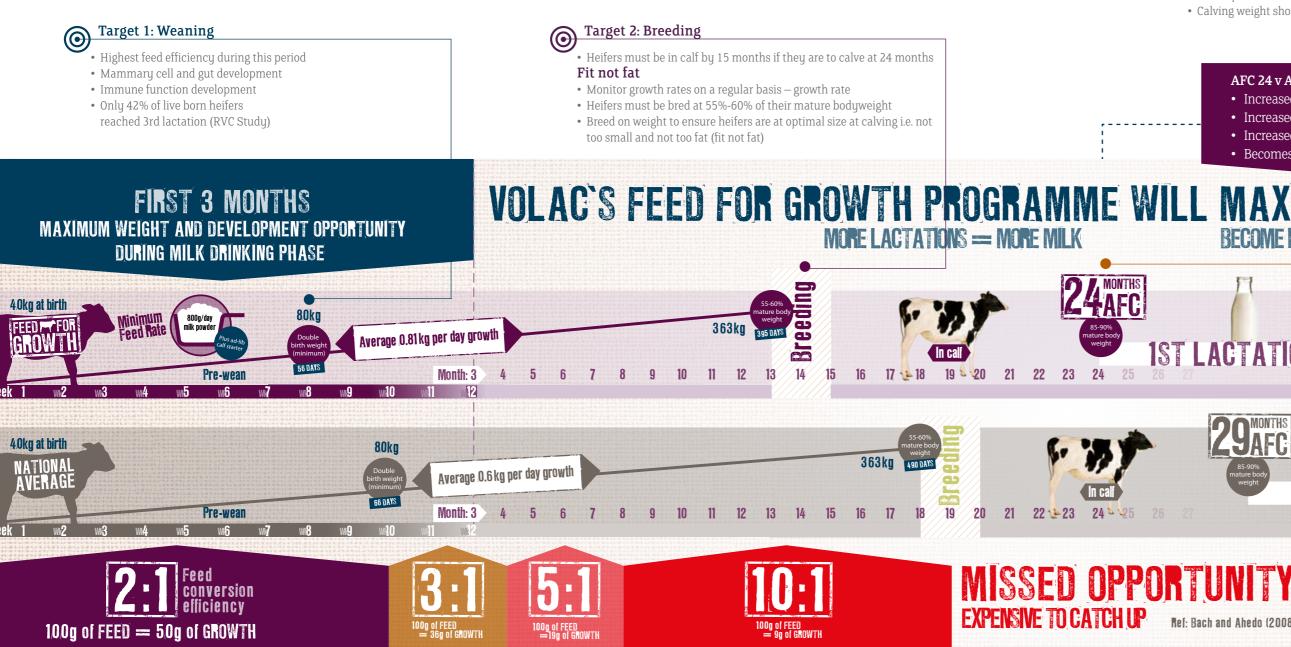
Volac Milk Replacers uses low temperature evaporation and ultrafiltration to process our high-quality whey, this ensures that the bioactive compounds the calf needs for growth and development are not damaged. The result of this unique manufacturing process is **IMUNOPCO**<sup>™</sup> which is unique to Volac and present in all Volac manufactured milk replacer.

**IMUNOPCO**<sup>™</sup> contains high levels of immunoglobulins and amino acids, which are essential in immune system development and are vital for good muscle growth.

**IMUNOPCO**<sup>™</sup> also contains high levels of lactoferrin which has been shown to reduce scours. These bioactive compounds are not available in casein (skim proteins).



### **10** Heifer Road Map



### Longevity: Target 3: Calving 70% reach 3rd lactation if AFC 24 months 59% reach 3rd lactation if AFC 26-30 months • Age at first calving has a considerable impact on the number 50% reach 3rd lactation if AFC >30 of replacements carried on a dairy farm. • Less replacements means less feed, less time and less space • Calving weight should be 85-90% mature body weight Profit generation AFC 24 v AFC 30 Months Increased fertilitu • Increased milk yield Increased longevity • Becomes profitable earlier **VOLAC'S FEED FOR GROWTH PROGRAMME WILL MAXIMISE YOUR CHANCES OF GROWING BETTER COWS** IMPROVED FERTILITY **BECOME PROFITABLE EARLIER** IMPROVED LONGEVITY -U MONTHO **2ND LACTATION 3RD LACTATIO 1ST LACTATION 29**AFC 85-90% ature bod weight 2ND LACTATION **1ST LACTATION 3RD LACTATION** IMPROVED 24 AFC Based on the first 5 years of LONGEVITY the Feed for Growth initiative PLOT YOUR cows will be profitable for AVE AND REF: NMR longer and have improved fertility Ref: Bach and Ahedo (2008) HEIFER ROAD MAP

### 12 What is **Imunopro**<sup>™</sup>?

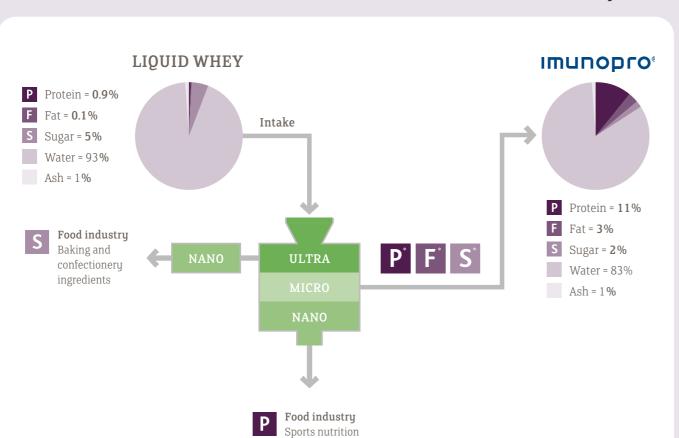
We take the goodness of milk and concentrate it. A combination of filtered, evaporated and gently sorted milk constituents are collected at low temperature from whey. These include:

P roteins, F ats and S ugars, resulting in a highly nutritious

bioactive complex known as

### Imunopro™

This unique process captures the goodness of milk, for the benefit of the calf.



Imunopro<sup>™</sup> is unique to Volac and is a concentrated whey protein and phospholipid base, packed with vital amino acids and functional proteins, fats and sugars.

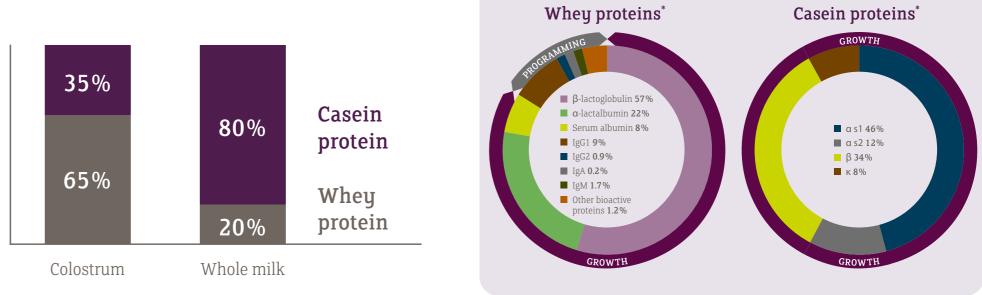
### The **Imunopro**™ process

% of protein

## We take the Magic of Milk 13

The magic of milk is found in the whey – and we are experts in concentrating the goodness of milk for the benefit of the calf. Our unique processing takes all the benefits of Whey (including immunoglobulins and essential amino acids - which are all found in colostrum) and concentrates them to produce our unique Imunopro<sup>™</sup> which is basis of all Volac Milk Replacers calf & lamb milk replacers.

### Whey protein – fundamental for calf programming



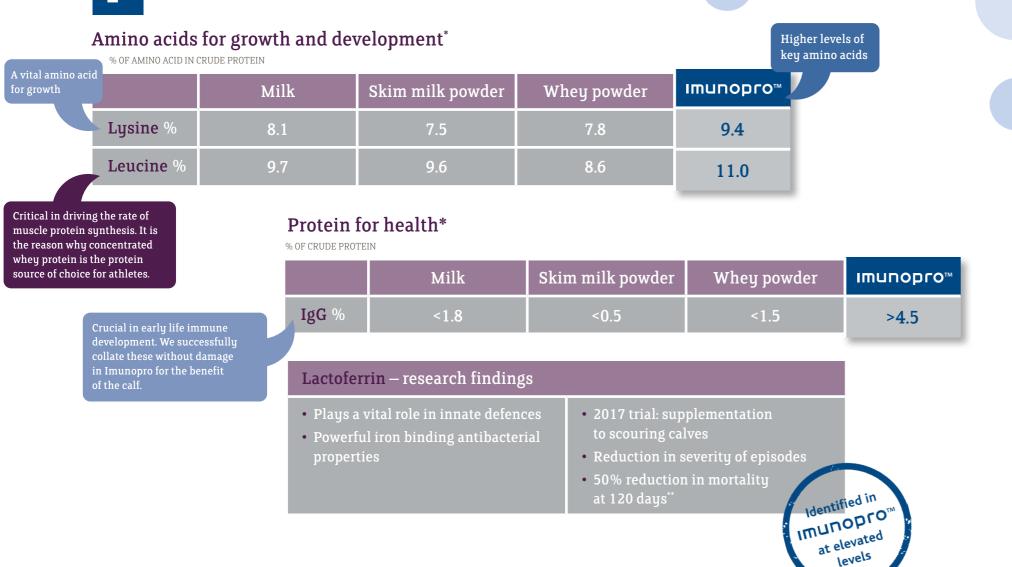
Colostrum: contains 3x more wheu protein content vs whole milk.

Whey contains the bioactive content for calf success.

- The special components in whey are used to programme the calf for success in terms of health, the immune system's pathogen control and speed of development
- We concentrate the components found in milk **P** proteins, **F** fats and **S** sugars and use them as a base for our milk formulas – we call this base: IMUNOPCO™

## **14 The imunopro™ difference:** the evidence

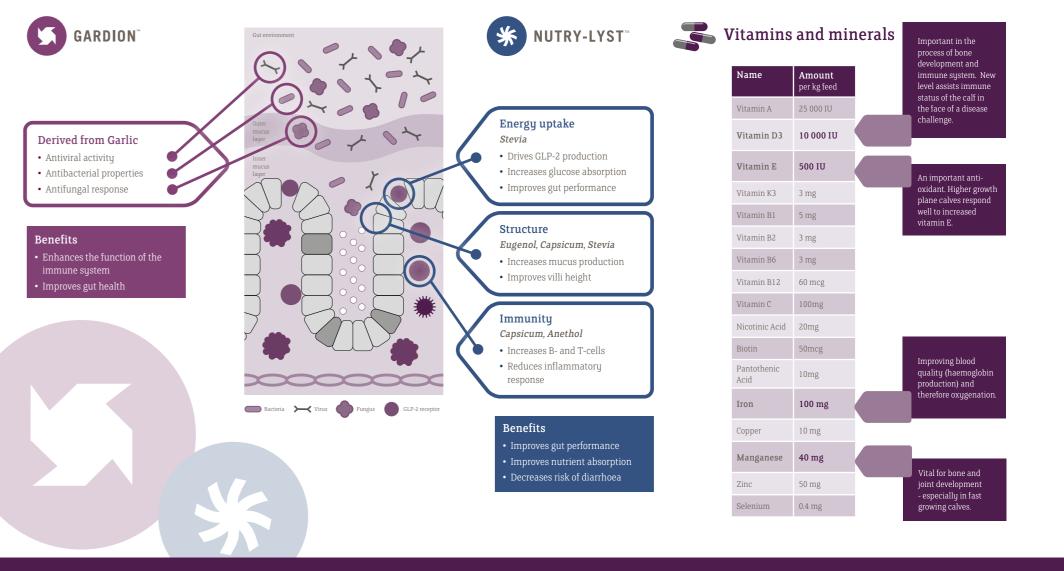




\*Average analytical data of ingredient after processing and drying. \*\*Habing et al. (2017, J. Dairy Sci. 100: 3940-3948)

## Health Supplements 15

As part of creating the most performance formulated products available, we include high quality nutritional supplements to support calf health and encourage good growth.





### Imunogard<sup>®</sup> incorporates the established hydrolysed yeast culture Celmanax<sup>™</sup> from Church and Dwight to help improve calf gut function and mitigate the effect of a number of harmful pathogens.

Proven hydrolysed yeast cultures not only provide readily digestible refined functional carbohydrates for the calf; they also have a recognised prebiotic function. Put simply, the inclusion of Celmanax<sup>™</sup> feeds the calf's beneficial gut bacteria and helps bind them to damaging bugs, such as cryptosporidia, E.coli and Salmonella spp. This stops these harmful pathogens from binding to the gut wall and taking hold to cause disease signs such as scouring.

For example, independent scientific trials have demonstrated that calves supplemented with Celmanax<sup>™</sup> shed three times less cryptosporidium oocysts than those which were not, thus helping to reduce the spread of cryptosporidiosis. The Celmanax<sup>™</sup> supplemented calves also had improved faecal and dehydration scores.

Imunogard<sup>®</sup> also benefits from the inclusion of other beneficial health supplements. For example, butyrate for its anti-inflammatory effects and ability to stimulate gut enzyme production, and the garlic-derived ingredient Gardion – known too for its natural pathogen inhibiting effects and ability to enhance immune system function.

Imunogard® should be mixed at the rate of 150g in every litre of water and be fed to calves according to Volac Milk Replacers standard growth curve recommendations.



### **100% DAIRY PROTEIN**

Provides the materials for growth, primes the immune system and supports in pathogen control while developing the future of your herd.



Celmanax<sup>™</sup> is a hydrolysed yeast culture, including this within a complete diet for calves improves gut health by feeding the beneficial bacteria (prebiotic function).

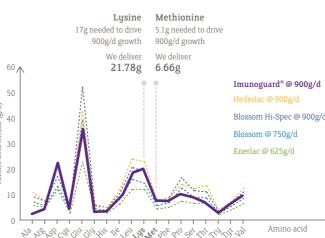
Celmanax<sup>™</sup> could potentially contribute to decreasing medical costs by binding to the harmful pathogens (including E.coli and Salmonella) thus preventing them from attaching to the intestinal wall and taking hold.

Due to the enzymatic hydrolysis process that breaks down the yeast cell wall, it makes the Refined Functional Carbohydrates (such as mannose and beta-glucans) readily available for use by the calf.

Calves which are supplemented with CELMANAX<sup>™</sup> shed three times less crypto oocysts than those which were not, thus helping to reduce the spread of disease they also had improved faecal and dehydration scores. (J Anim Sci 2009 Vol. 87, Church and Dwight).



- 100% Dairy Protein
- 23% Protein: 21% oil
- 23% Protein to lay down the building blocks for maximum growth and development
- 21% Fat to allow for more energy to be metabolised by the calf rather than using it to fight off disease pathogens





Amino Acid	g per 900g/d
Lysine	21.78
Methionine	6.66
Cystine	4.68
Threonine	14.22
Histidine	3.78
Leucine	20.52
Isoleucine	12.42
Glutamic Acid	34.74
Arginine	4.95
Serine	10.35
Aspartic Acid	21.51
Glycine	3.69
Alanine	1.53
Tyrosine	6.03
Proline	12.42
Valine	11.52
Phenylalanine	6.3
Tryptophan	3.6

Elevated levels of essential acids including Lysine and Methionine which are needed to ensure optimum calf growth and development



# HEFERLAC<sup>®</sup> When only the best will do

GARDION

P Protein

F Fat

S Sugar

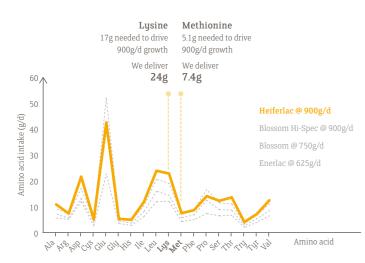
Minerals

Other\*

DESIGNED TO DRIVE 900G **GROWTH PER DAY\*** 



- MaximumImunopro™content for long term performance
- Maximum programming and maximum growth
- Ideal for Pedigree and high EBI herds
- Gardion health package
- Highest leucine level



\*Based on recommended feeding rates with access to ad lib starter feed and water \*\*'Other' includes moisture, vitamins, residual carbohydrates and feed additives

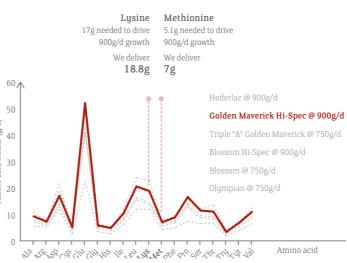




### When you need optimum performance

DESIGNED **TO DRIVE** 900G GROWTH PER DAY\*

- The considered solution for large herds
- Developed for growth, for the business producer
- Optimum**Imunopro**™ content
- Nutry-Lyst health package
- Very high leucine level





\*Based on recommended feeding rates with access to ad lib starter feed and water



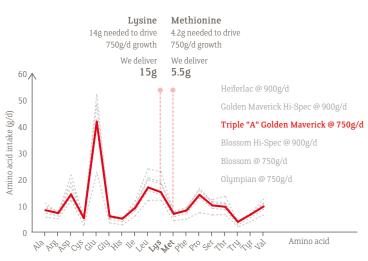


### The tried and trusted performer

DESIGNED **TO DRIVE** 750G **GROWTH PER DAY\*** 



- Tried and trusted performance
- Great results every time
- High**Imunopro**<sup>™</sup> content
- Gardion health package
- Higher levels of leucine



\*Based on recommended feeding rates with access to ad lib starter feed and water \*\*'Other' includes moisture, vitamins, residual carbohydrates and feed additives



\*Based on recommended feeding rates with access to ad lib starter feed and water \*\*'Other' includes moisture, vitamins, residual carbohydrates and feed additives

### BLOSSOM® EASYMIX

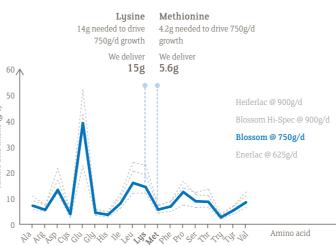
### The tried and trusted performer

DESIGNED **TO DRIVE** 750G GROWTH **PER DAY\*** 

GARDION

FEED FOR

• Tried and trusted performance • Great results every time • High Imunopro™ content • Gardion health package • Higher levels of leucine

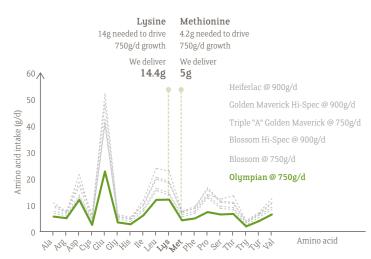




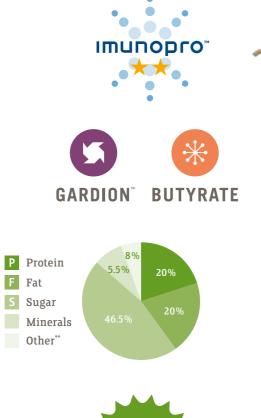
# **OLYMPIAN** The cost effective solution

DESIGNED **TO DRIVE** 750G GROWTH **PER DAY\*** 

- A carefully selected blend of **Imunopro**™
- Specially designed for beef or mixed enterprises
- For non-replacement animals
- Gardion and buturate health packages
- Elevated leucine



\*Based on recommended feeding rates with access to ad lib starter feed and water \*\*'Other' includes moisture, vitamins, residual carbohydrates and feed additives







### Palm Products Sustainability Policy 23

We are committed to helping dairy farmers improve productivity and the longterm health and welfare of their animals in a responsible and sustainable way. We aim to be the agents for change advocating responsibly sourced palm oil and palm oil derivatives. Our ambition is to lead the discussion on the importance of looking after the future dairy herd and the use of sustainable palm oil.

### Benefits of palm products

Volac Milk Replacers uses Palm olein (a derivative of palm oil) in its milk replacer formulations because its fatty acid profile is perfectly suited to youngstock nutrition as well as its efficiency and cost effectiveness as a crop. Palm is the most efficient oil-producing crop available today, producing more metric tons of oil per hectare than any other vegetable crop. This is important as the evergrowing global population strives to produce enough food. Palm is a particularly attractive commercial crop for smallholders, because they can grow it on a range of soils, requires relatively little fertilizers and pesticides, and bears fruit all year-round. Currently, oil palms are grown on approximately 7.4% of land devoted to vegetable oil crops, yet palm oil makes up 39.6% of all vegetable oil production. (EPOA)<sup>1</sup>

### **Global context**

It is predicted that the global population will rise to more than nine billion by 2050, which in turn is expected to result in significant increase in the demand for palm oil and its derivatives. Volac recognises that whilst plantation development has contributed significantly to economic development in countries where palm oil is produced, and while a great deal of improvement has been achieved, in some cases the production of palm oil can still be linked • No Deforestation to sustainability challenges like deforestation and exploitation of people and local communities. If palm oil and its derivatives are to play a leading role in the future of farming, then Volac is convinced that it must be produced in a sustainable and responsible way.

#### Policy aims

Our sustainability policy for Milk Replacers guides us in our strategic and daily operations and also our future activities. It helps shape our broader sustainability agenda and serves as a promise to our customers, consumers and other stakeholders. It will educate and inform people about our use of palm-based materials and it is our vision and strategy to become a leader in sustainable dairy nutrition.

This policy applies to all Palm oil and its derivatives within our Volac Milk Replacers Branded and Joint Branded Milk Replacers that we purchase as Palm olein or any other palm oil derivatives.

#### **Our commitments**

1. To only use palm oil derivatives in our milk replacer products from sources that fulfil NDPE sustainability criteria or RSPO Certified Sustainable Palm Oil.

Volac only sources palm oil and it's derivatives for milk replacers from Sustainable Palm Oil (RSPO). suppliers that share our commitment to the sustainability criteria of 'No Deforestation, No Peat and No Exploitation' (NDPE) with respect to plantation development and the palm oil supply chain. The NDPE criteria are: -

- No Development on Peat
- No Exploitation of People and Local Communities
- 2. Transparency and traceability for all the palm oil derivatives and final products within our supply chain.

We define 'traceability' as the ability to trace palm oil throughout the supply chain back to mills. Our Palm Olein is > 99% and traceable back to mill.

#### 3. To actively promote the benefits of sustainable palm oil within the animal feed industry

Volac only use products which have been supplier assured to align to NDPE criteria or that are RSPO Certified.

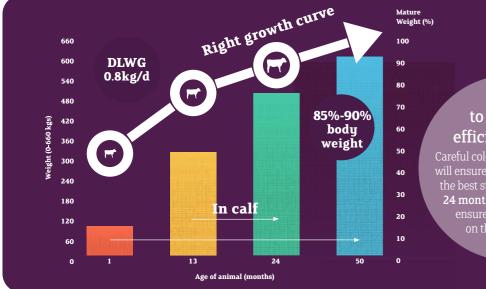
Volac has strong business and sustainability ambitions, however we acknowledge that in relation to the global palm oil production, the impact we can have as individual businesses is relatively modest. Therefore, we will do all we can to influence our industry and will collaborate with partners (customers, suppliers, processors, retailers, governments, NGOs and broader stakeholders) to further develop the sustainability, traceability and responsible sourcing of palm products, including those certified by the Roundtable on

For our full Palm Oil Policy please see www.feedforgrowth.com



# **24** Feeding for Efficiency

The average age of first calving is 27 months (NMR, Aug 2020) but calving heifers at **24 months of age** is proven to be more beneficial to their lifetime performance. Dairy heifers that fail to grow adequately from **Day 1** won't meet this important target.



### The growth triangle

To get heifer calves off to the best possible start and hit the DLWG target of 0.8kg/day, create a positive 'growth triangle' around 3 key elements:

- Environment
- Nutrition
- Health



### The benefits of feeding more milk replacer

The primary source of nutrition for a calf during the first 3-4 weeks is milk and feeding more milk replacer from a few days of age will help:

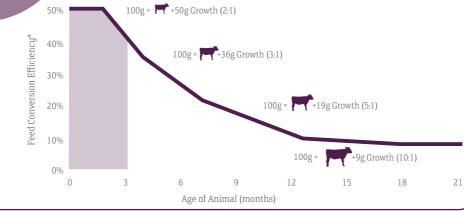
- Maximise feed efficiency
- Prevent early weight loss
- Maximise early growth potential
- Improve health
- Improve future performance

### How to create an efficient system

vill ensure your calves get off to 24 months, start at Day 1 to ensure heifer calves are on the right growth

### Maximising feed efficiency

Feed efficiency (def: the relative ability of the animal to turn feed nutrients into growth) is at its highest during the milk feeding period. For the same amount of feed intake, as the animal ages, you get less growth back out, so take advantage of the high feed efficiency in the first two months of life to maximise growth.



\*BW gain/amount of feed consumed Bach & Ahedo 2008 Vet Clinics Food Animal Prac 24 117-38







Hi cal

### **#FeedForEfficiency 25**

### Not all Milk Replacer is the same

The type and guality of ingredients in a milk replacer will also help determine calf performance Calves fed milk replacer with a high inclusion level of Imunopro™ grew faster compared to those fed milk replacer with a low-level inclusion of Imunopro™.

Body Weight kg		
Low Imunopro <sup>™</sup>	High Imunopro <sup>™</sup>	
39.7	38.5	
46.6	47.1	
54.0	53.9	
61.9	64.1	
74.1	77.7	
91.8	94.9	
	Low Imunopro™ 39.7 46.6 54.0 61.9 74.1	

Volac Calf Trial 2019/20 – AFBI, Hillsborough, NI

### The benefits of high-quality milk replacer

Feeding a precise level of high-guality, precision formulation milk replacer that has been balanced with the optimum level of vitamins and trace minerals will ensure your calves will reach their full potential and meet your targets. 120

	- Contraction of the second se
Benefit to calf	Benefit to farmer
Maximising growth and development during the milk drinking phase vill help with overall development and assist in a strong immune system ensuring your calves remain healthy and will meet their full potential.	Stronger immune systems mean a healthier herd, resulting in less illness, better growth rates and fewer losses.
The whey fraction of colostrum contains the bioactive content for calf uccess, we take liquid whey and concentrate it up to make our unique munopro® which is present in all our milk replacers.	To achieve a minimum growth rate of 0.7kg/day pre-weaning, a minimum of 750g-900g of milk solids per calf per day should be fed in at least two feeds Increasing the pre-wean average daily growth is proven to have a positive impact on age at first calving and the first lactation milk yield.
High-quality milk replacer leads to healthier, bigger and better developed valves, keeping them healthy and strong.	Feeding high quality milk replacer ensures your calves get off to the best start for an efficient and sustainable system.



### The 3 Pillars of Feed for Future

Feed for Future is an initiative set up by Volac in which we want to encourage the industry to do better for the future. Beginning with looking after the future of our planet by using sustainable raw ingredients, the future of our industry by helping give back where we can and the future of your herd and your business by encouraging efficient and sustainable practices on farm to increase the longevity of your herd and increase the profitability of your business.



#### Volac Milk Replacers Ireland Limited, Feagh, Mullagh, Kells, Co. Meath, Ireland, A82 W328 +353 469 212 950 | orders@feedforgrowth.com | feedforgrowth.com

### How does your milk replacer measure up on health and development?

Volac Milk Replacers range of milk replacers contain Imunopro®, our unique concentrated milk protein which enables better development of the early life immune system and stimulates the young calves digestive system, crucial for fast, healthy and sustainable growth.

Whatever your calf rearing needs, beef or dairy - Feed for Growth -Your Partner for Performance. www.feedforgrowth.com



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