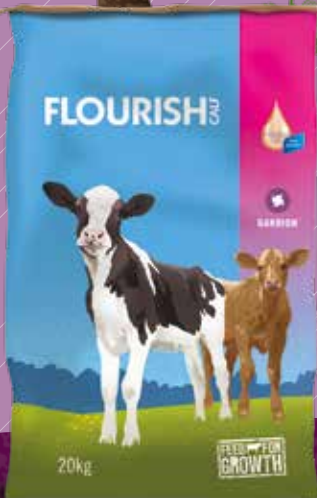
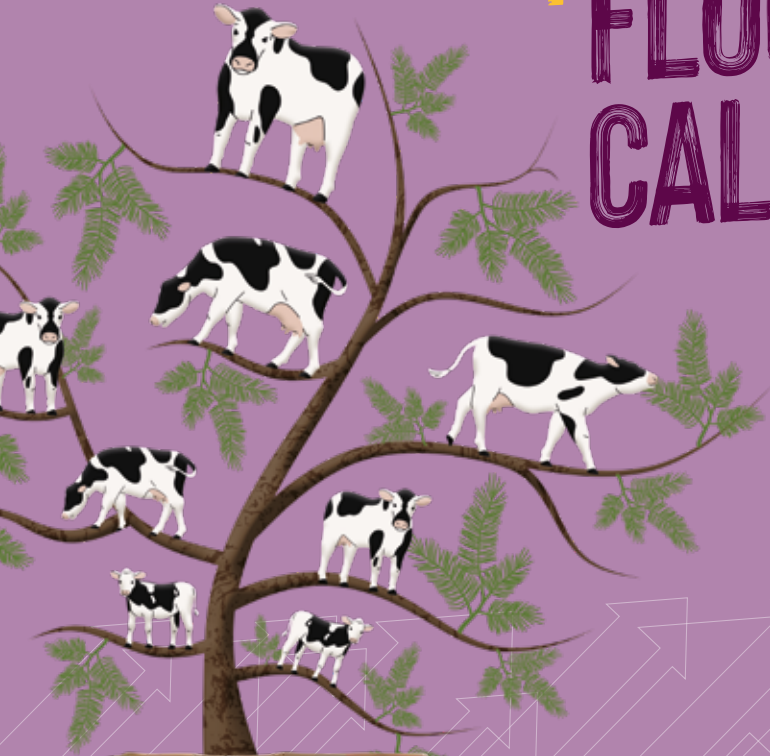


# FLOURISH CALF™



A skim based milk replacer  
formulated for calves for  
maximum growth and  
development .....

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## High Skim Content

Flourish Calf™ is made with 50% Skim milk powder. By formulating with 50% of the ingredients from skim milk powder means the level of casein in the product is maximised which promotes good clot formation in the abomasum, resulting in better digestibility.

Whole milk and milk replacers containing a high level of casein protein (skim) will form a solid clot in the acid conditions of the abomasum, because of the enzymes (rennin and pepsin) acting upon the casein protein. A solid clot is retained in the abomasum, and this has a beneficial effect on promoting nutrient digestibility.

In a milk replacer with a low level of skim, the casein may not clot, or form only a weak curd. A weak clot breaks up rapidly and undigested casein leaves the abomasum more quickly and passes into the small intestine. Undigested casein within the digestive system will be poorly digested and can have an adverse effect on animal health as well as performance.

## Progres® Inside

Flourish Calf™ is enhanced with Progres®, a natural ingredient made from the resin of coniferous trees, that supports good gut health and contributes to better animal performance.

Poor gut health makes animals more susceptible to intestinal inflammation. Intestinal inflammation harms the epithelial barrier and deforms villi structure. The epithelial barrier regulates nutrient absorption as well as preventing the invasion of harmful bacteria, whilst the intestinal villi (the long finger-like projections) function mainly in the digestion and absorption of nutrients. Therefore, damage to the epithelial barrier and deformed villi structure, because of intestinal inflammation, reduces nutrient absorption and opens an entrance for harmful bacteria.

### Experience the Power of Nature

This resin contains specific substances that protect trees from bacteria, protozoa, viruses and fungi. With the development of Progres®, these substances are now available for use in animals, helping to support intestinal integrity by utilising the natural protection mechanism of coniferous trees.

Resin acids, the active compound of Progres®, have a dual function in the animal's intestinal tract:

- Protect the collagen fibres – the basis of gut wall integrity – from the harmful effects of intestinal inflammation.

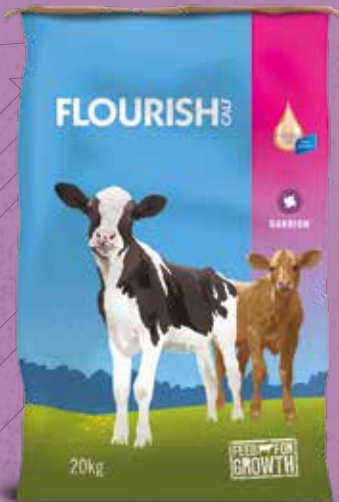


- Support the growth of beneficial microbiota in the intestine.

### Better animal performance

Progres® inside improves intestinal integrity and can result in better financial results due to:

- Enhanced immune system
- Better growth
- Improved feed conversion

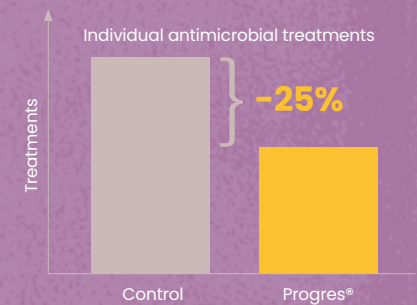


- 23% Protein: 19% Oil
- 100% Dairy Protein
- 50% Skim Milk Powder Inclusion to promote good clot formation and digestibility
- 23% Protein to lay down the building blocks for excellent growth and development
- 19% Oil to provide enough energy to the calf whilst encouraging starter intake to promote good rumen development
- Enhanced with Progres® to support good gut health and contribute to better animal performance
- Contains Gardion and Butyrate for better digestability

## Research with Progres®

Research with rearing calves showed that the addition of Progres® to milk replacer can contribute to reducing the amount of individual antimicrobial treatments.

### Antibiotics | Rearing calves



Research carried out by Denkvit at the DenkvitFarm Innovation Centre on 136 calves fed Denkvit milk Excellent for 19 weeks.

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## Proven Blend of Vegetable Oils:

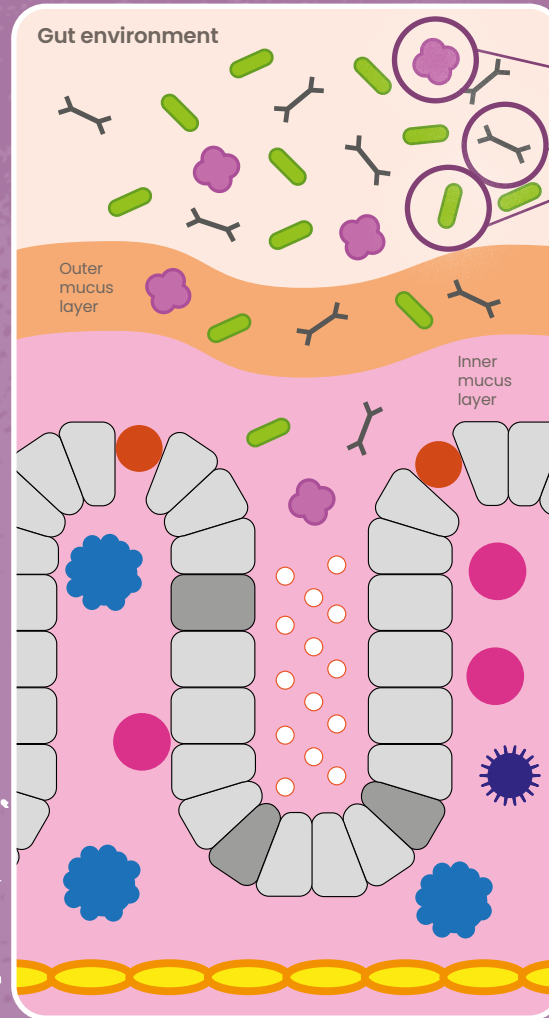
**Flourish Calf™ is formulated with a blend of vegetable oils to deliver enough energy (from fat and sugar) to fuel growth whilst ensuring that the fat content is not too high to help the transition onto starter feed and promote rumen development.**

Fats are comprised of short chain, medium chain, and long chain fatty acids; initially the newborn calf relies on the breakdown of short chain and medium chain fatty acids for its energy source, with the digestion of long chain fatty acids becoming more efficient after about 3 weeks. The addition of a blend of coconut, palm and rapeseed oil to Flourish Calf™ ensures an optimum fatty acid profile. The proven blend of vegetable oils will deliver:

- A high level of coconut oil, rich in short to medium chain fatty acids, which is easily digested providing the young calf with energy. These fatty acids also have anti-microbial properties protecting against gram-negative and gram-positive bacteria.
- Palm oil, rich in long chain fatty acids, which is digested by the older calf.
- Rapeseed oil, rich in Omega 3 fatty acids, which reduces inflammation and oxidative stress, improving growth and immune function.

## Benefits of Gardion®

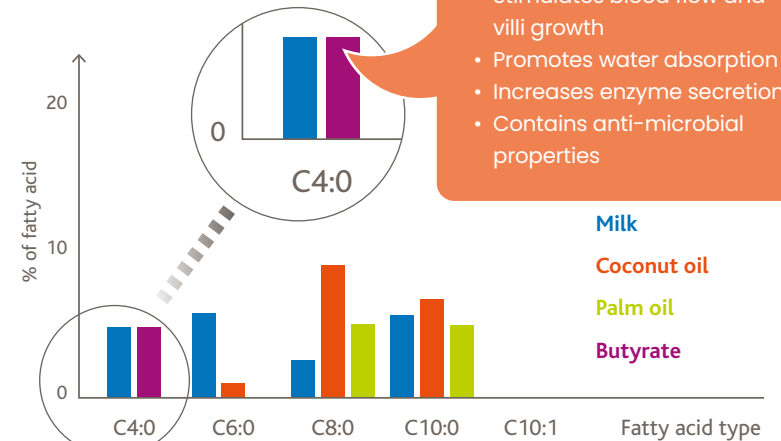
- Enhances immune system function
- Improves gut health



### Derived from Garlic

- Antifungal response
- Antiviral activity
- Antibacterial properties

## BUTYRATE



Recent research suggests that Butyrate, a known energy source, is particularly beneficial in improving gut health:

- Stimulates blood flow and villi growth
- Promotes water absorption
- Increases enzyme secretion
- Contains anti-microbial properties

## What is BUTYRATE ?

- An energy source for the gut
- Stimulates digestive enzyme production
- Stimulates intestinal blood flow and proliferation of intestinal cells
- Has anti-inflammatory effects and protects cells from oxidative damage
- Enhances glycogen synthesis and can therefore improve liver function

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## Vitamins & Minerals

Vitamins and minerals (known as trace minerals when needed in small amounts) are required for normal metabolic processes and growth, and they also play an essential role in the immune function and health of an animal.

Every calf is at risk of disease – it is therefore essential to have a good immune system that will be able to fight a pathogen, if a calf becomes infected.

In addition to good colostrum management and an excellent level of cleanliness and hygiene, a good supply of vitamins and trace minerals must be maintained for optimal animal performance and to help support the immune system for when animals become challenged by disease.

An important anti-oxidant. Higher growth plane calves respond well to increased vitamin E.

Vital for bone and joint development – especially in fast growing calves.

Name	Amount per kg feed
Vitamin A	25 000 IU
<b>Vitamin D3</b>	<b>10 000 IU</b>
<b>Vitamin E</b>	<b>500 IU</b>
Vitamin K3	3 mg
Vitamin B1	5 mg
Vitamin B2	3 mg
Vitamin B6	3 mg
Vitamin B12	60 mcg
Vitamin C	100mg
Nicotinic Acid	20mg
Biotin	50mcg
Pantothenic Acid	10mg
<b>Iron</b>	<b>100 mg</b>
Copper	10 mg
<b>Manganese</b>	<b>40 mg</b>
Zinc	50 mg
Selenium	0.4 mg

Important in the process of bone development and immune system. High level assists immune status of the calf in the face of a disease challenge.

Improving blood quality (haemoglobin production) and therefore oxygenation.

**For more information please visit  
[feedforgrowth.com](https://feedforgrowth.com)**

**Volac Milk Replacers Limited**

50 Fishers Lane, Orwell, Royston, Hertfordshire, SG8 5QX  
+44 (0) 1223 206207 | [orders@feedforgrowth.com](mailto:orders@feedforgrowth.com)

**Volac Milk Replacers Ireland Limited**

Feagh, Mullagh, Kells, Co. Meath, Ireland, A82 W328  
T: +353 469 212 906 | [orders@feedforgrowth.com](mailto:orders@feedforgrowth.com)

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