

# Dairy Calves

Nutrition is the key to healthy calves.

Dry Cow nutrition is important to calves.

Heat stress or Cold stress

Low calf weight

Low Colostrum quality

Minerals v .important

Cu

Zn

Se Huge impact on calves

Organic Se v mineral Se

Growth rates increased by 250g/day

with organic Se

Lower disease levels

## Calf

The first 24hr period is really important

**Clean.** Start

**Clean.** Pens

**Clean.** Milk/colostrum

### Colostrum

50% of calf death is due to colostrum failure

Immunity from dam Colostrum quality

Low volume of colostrum

Dry period needs to be greater than 30 days

Biomos in the last 4 weeks

Increases the Colostrum quality and quantity

Feed as soon as possible

Fresh, stored, or powdered real colostrum

Absorption and Quality of Immunoglobulins

Birth 100%

6hrs 80%

12hrs 50%

18hrs 20%

24hrs 0%

## **Super Clean**

4liters @ birth

4liters @ 10hrs

Most calves are born at night make sure Colostrum is always available Fresh, Frozen, powdered real colostrum (for those late night calves)

Bacteria reduces immunoglobulin absorption by 50%

**Clean, Clean, Clean.**

### **4 Litres v 2 Litres**

550kg more milk in first lactation

16% less culling

## **Optimal Feeding (calf milk replacer)**

For every 100g increase in DLWG 150kg more milk in first lactation

Increase DLWG from 0.5kg to 0.8kg = 500litres in first lactation

Main gain is the increased udder development in the first few months of life

Proteins in the milk powder should be dairy sourced Skim or Whey

**Clean, Clean, Clean.**

Calf starter

18% CP fresh and palatable

Water clean and fresh

Forage 10% of intake

## The Benefits of Feeding Britannia

Feeding Britannia to calves in their very early life yields many benefits:



- Osmolality of 350 mOsm/Kg is close to natural milk's 330 mOsm/Kg
- Lower osmolality means better feed efficiency and less scour and abomasal bloat instances
- More metabolisable energy means calves have more energy and a healthier appearance
- The included MOS binds to pathogens in the gut, neutralising detrimental bacteria
- Live Yeast scavenges oxygen in the gut, allowing beneficial microflora to thrive
- More energy and healthier gut means better early life development
- Higher ADG (average daily gain) rates and mammary tissue development means higher yields in later life

## The Key Features of Britannia

Britannia Energized Milk Replacer features many innovations to separate it from other calf milk replacers:

- New formula is closer to natural whole milk
- High energy levels
- Low osmolality
- Includes the exclusive 'Patriot' Performance Pack
- Patriot includes a live yeast culture
- Patriot includes a MOS (mannan oligosaccharide)
- Available in 20Kg bags as a dry powder
- Easily mixed with a bucket and whisk or milk mixer

