

gusto

V-WHEY

Quality whey based milk replacer for young calves

Gusto V-Whey is a whey based milk replacer formulated for New Zealand conditions. The product has excellent solubility characteristics. It is designed to be used exclusively by New Zealand calves and fed from four days of age. Ingredients have been selected to provide a consistent product with high digestibility and utilisation by the pre-ruminant calf. Intensive monitoring and analysis of ingredients, manufacturing process and finished product underpin the consistent quality as part of the GMP+ quality assurance system, which include HAACP.

UNDERSTANDING MILK REPLACERS

Casein and whey are both high quality proteins found in milk. They are digested by the calf in slightly different ways. When milk arrives in the young calf's Abomasum (true stomach) the casein fraction of the milk protein curds due to the reaction with rennet. The whey proteins remain in suspension and are further hydrolysed and digested in the small intestine. The faster (no curding required) and easier digestion of whey based proteins reduces the risk of digestive scouring and stimulates the calves to eat more calf meal/pellets at an earlier age. This encourages early rumen development, reducing the risk of post weaning growth check.

SUPPORTING HEALTHY DIGESTIVE SYSTEMS

Young calves are very susceptible to diarrhoea caused by stress, environmental and nutritional factors. To support the calves natural immune defences in the gastro-intestinal tract a four pronged approach has been taken with the formulation of Gusto V-Whey:

- » Probiotic: A proven combination of *Bacillus subtilis* and *Bacillus licheniformis* help colonise the gut wall, making it more difficult for pathogenic bacteria like E-coli and Salmonella to establish. Furthermore, both strains have a directly stimulating effect on the calf's own immune system.
- » Herbal Essential Oils stimulate enzyme secretion and also have an inhibiting effect on several strains of less desirable bacteria and protozoa in the calf gastro intestinal tract.
- » A combination of organic acids create another barrier for pathogenic bacteria and fungi to establish in the calf's gut.
- » Fortification with the complete range of vitamins (A, B-group, C, D and E) and trace elements to fully support the young pre-ruminant calf's immune system and performance.

Note: Gusto V-Whey does not contain a coccidiostat.

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MIXING RECOMMENDATIONS

- » Add 125 - 150 g per litre, for example, add 1 kg Gusto V-Whey powder to 6 - 7 litres of water.
- » Add the required amount of powder to half the volume of hot water (50 - 55 °C) under continuous mixing for at least a minute. Add more water until the total litres of calf milk required is reached.
- » Check that the milk is fed at 38 - 40 °C (optimum drinking temperature).
- » Gusto V-Whey is also handled well by automated calf feeders.

FEEDING RECOMMENDATION

Gusto V-Whey can be used in many different calf feeding programmes for calves over 4 days of age, as long as the calf rearer adheres to the basic principles of good calf rearing (colostrum, hygiene, clean water, dry bedding , comfort etc.).

As a general rule, calves should be fed at least 10% of their birth body weight in Gusto V-Whey. For example, a 50 kg calf would receive 2 x 2.5 litres with 125 g per litre, i.e. 625 g of Gusto V-Whey per day.

In practice under good management and in Once A Day systems Gusto V-Whey can be fed in a more concentrated form up to 250 g per litre.

Find below examples of Twice A Day (TAD) and Once A Day (OAD) systems with quantities of milk replacer used.

Age (days)	Twice A Day			Once A Day		
	# Feeds/day	Litres/Feed	Grams/Litre	# Feeds/day	Litres/Feed	Grams/Litre
1 - 4	2	2	Colostrum*	2	2	Colostrum*
5 - 14	2	2	125	2	2	125
15 - 28	2	2.5	125	1	2.5	250
29 - weaning	2	2.5	125-150	1	2.5-3	250

*Good quality GOLD colostrum as measured with a refractometer

NOTE:

- » Feed within 2 hours of mixing.
- » Always ensure fresh, clean water and a 20% crude protein calf starter are available at all times.
- » The upper range of concentration (grams/litre) or volume can be used for faster growing calves (e.g. Friesian versus Jersey).

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INGREDIENTS

Selected from: Whey powder, vegetable oil (palm, coco, rape, soya), skimmed-milk powder, lactose, hydrolysed wheat protein, soyprotein isolate.

Typical analysis:

Crude protein	23 %
Crude fat	20 %
Crude fibre	0.1%
Crude ash max.	9.5 %
Calcium (Ca)	1.2 %
Phosphorus (P)	0.9 %

Micro-ingredients (added per kg):

Vitamin A	25,000 IU
Vitamin D3	7,500 IU
Vitamin E	300 mg

Probiotics:

E1700	Bioplus YC: 1,280 MFCU (Bacillus Subtilus and Licheniformis)
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Organic Acids (Preservative):

Calcium formiate and citric acid

Flavour and herbs:

Herbal Essential Oils 500 mg/kg

Storage:

Store product in cool, clean and dry conditions. Do not expose to direct sunlight.

Warning:

This product contains Selenium at 0.3 mg/kg. Do not exceed feeding rate and frequency. Do not use at the same time as any other selenised product or fertiliser without consulting your veterinarian or nutritionist.

NL20914, 20 kg

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