

# gusto V-GOLD

*Premium quality casein-based milk replacer for young calves*

*Gusto V-Gold is a concentrated milk replacer formulated for New Zealand conditions using dairy casein based ingredients. The product has excellent solubility characteristics. 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. This occurs due to the acidity of the stomach (pH) and rennet. The whey proteins remain in suspension and are further hydrolysed and digested in the small intestine.

## **SUPPORTING HEALTHY DIGESTIVE SYSTEMS**

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

- » Probiotic: A proven combination of *Bacillus Subtilis* and *Bacillus Lichiniformus* helps to 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: These stimulate enzyme secretion and have an inhibiting effect on several strains of less desirable bacteria and protozoa in the calf gastro intestinal tract.
- » 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-Gold does not contain a coccidiostat.

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## MIXING RECOMMENDATIONS

- » Add 125 - 150 g per litre, for example add 1 kg Gusto V-Gold 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 to the total amount of litres calf milk required. For example, a 20 kg bag mixed at 150 g per litre would make 133 litres of calf milk.
- » Check the milk is fed at 38 - 40 °C (optimum drinking temperature).
- » Weighing the amount of milk replacer is the most accurate, using volume (for example, scoops) can mislead.
- » In the first weeks of life, the size of the abomasum is limiting for the volume (litres) the calf can handle per feed. Too large a volume can overflow over in the rumen which leads to undesirable fermentation as opposed to digestion in the abomasum.
- » Many different feeding programmes can work under good management.

## FEEDING RECOMMENDATION

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

Ensure the calves are receiving a minimum of 600 g CMR per head per day and increase gradually to 700 - 900 g per head per day depending on calf type, growth targets and weather conditions. For example, when a 40 - 50 kg calf receives 2 x 2 litres with 150 g per litre it receives 600 g of Gusto V-Gold per day.

Under good management and mixing practices, Gusto V-Gold can be fed in a more concentrated form up to a maximum of 250 g per litre.

Find below an example feeding programme for a Twice A Day (TAD) and Once A Day (OAD) system.

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	150	2	2	150
15 - 28	2	2.5	150	1	2.5	250
29 - weaning	2	2.5 - 3	150	1	2.5 - 3	250

\*Good quality GOLD colostrum as measured with a refractometer

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## NOTES

- » Only use gold Colostrum for the first day of the calf's life for example, the first milking of an older cow.
- » Always ensure fresh, clean water and a 20% crude protein calf starter is available at all times.
- » The upper range of concentration (grams/litre) or volume can be used for faster growing calves.

## INGREDIENTS

Selected from: Whole milk powder, skimmed-milk powder, lactose, vegetable oil (palm, coco, rape), whey powder.

### Typical analysis:

Crude protein	26 %
Crude fat	20 %
Crude fibre	0.0%
Crude ash max.	8.0 %
Calcium (Ca)	0.67 %
Phosphorus (P)	0.54 %

### Micro-ingredients (added per kg):

Vitamin A	25,000 IU
Vitamin D3	4,000 IU
Vitamin E	90 mg

### Probiotics:

E1700	Bioplus YC: 1,280 MFCU (Bacillus Subtilus and Licheniformis)
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### Flavour and herbs:

Herbal Essential Oils	1,000 mg/kg
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### 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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