



**rumenX<sup>®</sup>**

**New Formulation • Six Stage Programme**

**For Accelerated Rumen  
Development in Calves**



**Quick  
Guide**



**NUTRITECH**  
LEADERS IN ANIMAL NUTRITION

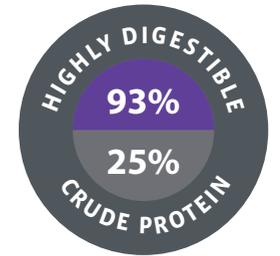
The next generation of your herd starts with the calves you rear today.



To get the best start for your calves feed rumenX<sup>®</sup>, a specialist meal programme developed specifically to produce superior calves that produce more milk. It has the added benefits of earlier weaning, less labour and an easy to handle product. Give your calves the proper foundation, start them on the rumenX<sup>®</sup> programme today.

### KEY BENEFITS

- The programme allows for earlier weaning which means calves consume significantly less milk (approx 110L vs 220L).
- Reduced labour costs and time, as calves are on once-a-day milk feeding earlier and off milk at 42 days of age.
- Calves reared on rumenX<sup>®</sup> are better prepared to digest and absorb nutrients from pasture and other supplementary feeds.
- Maximises the limited time available (first eight weeks)\* for rumen papillae development.
- Superior rumen development.
- Heifers produce significantly more milk (an extra 0.26kg MS/cow/day)\*\* in their first lactation.



### KEY FEATURES

- Requires no mixing as rumenX<sup>®</sup> comes in ready to use pellets.
- Easy storage
- Easy to handle 15kg bags
- Minimal wastage, doesn't go mushy as it is stable and doesn't need to be replaced daily

### rumenX<sup>®</sup> SPECIFICATIONS

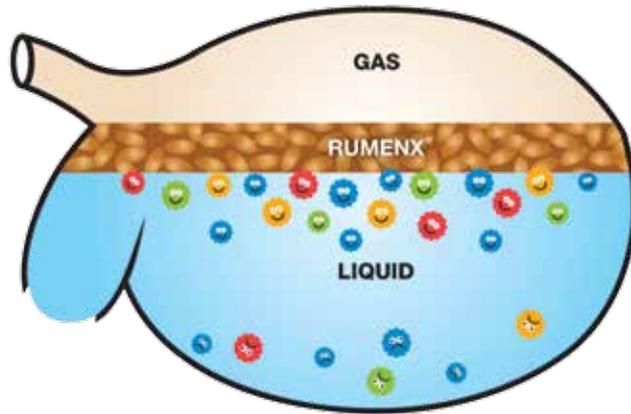
- 90% Dry Matter
- 25% Crude protein
- 8% Crude fat
- 6% Ash
- 1.3% Calcium
- 1.0% Phosphorus
- 93% Digestibility
- ME 17.6 MJ/kgDM (pre-ruminant)
- Starch content is less than 40%
- Contains Rumensin<sup>®</sup> for protection against coccidiosis. (ACVM #A9107)

\*Calf Notes Dr James Quigley, Professor, Vice President of and Director Calf Operations, Department of Animal Science, Iowa State University.

\*\*Based on New Zealand trial work

### THE PROCESS

Most of the 'good bugs' that need feeding sit in the middle of the rumen. The form, texture and coating on rumenX<sup>®</sup> allows it to float inside the rumen, allowing maximum uptake of nutrients by the rumen microbes. Most standard calf meal products sink to the bottom of the rumen, which can contribute to rumen acidosis and delay papillae development.



rumenX<sup>®</sup> is highly digestible (93%). The starch extrusion process presents the starch in a form the young calf can break down from four days of age. This floatation of rumenX<sup>®</sup> in the rumen liquor means that the starch is properly digested before leaving the rumen.



rumenX<sup>®</sup> Calf pellets  
After 2 minutes

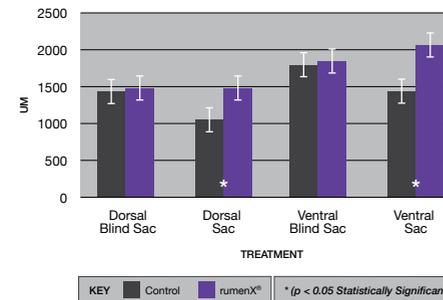


rumenX<sup>®</sup> Calf pellets  
After 1 hour

### THE RESULTS



#### 42 DAY RUMEN PAPILLAE LENGTH



These images show the visible rumen development possible in calves reared on the rumenX<sup>®</sup> programme.

### What farmers are telling us:

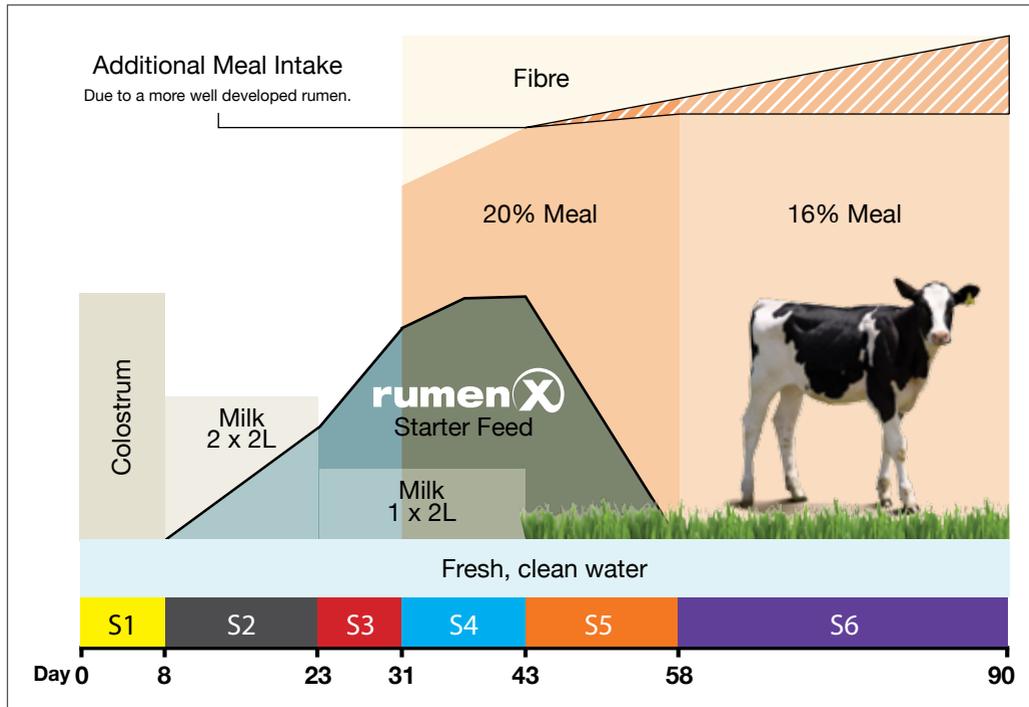
"One of the main benefits is it saves so much milk compared to standard calf rearing." Using the programme, calves consumed significantly less milk (110L vs 220L approx.) because of their ability to wean early.

Asking Heather why she'd recommend rumenX<sup>®</sup>, she said, "It's simple. Just follow the instructions and you'll get good results – there's no guesswork."

Warren & Heather Storey - Matamata



Under the rumenX® programme calves are introduced to rumenX® from birth as a starter feed. The quantity of rumenX® is gradually built up as milk consumption decreases. From Stage 4, calves are fully weaned off milk and standard calf meal is introduced. Calves are ready to eat pasture by Stage 5 (43 days) with rumenX® completely phased out by Stage 6.



These footnotes correspond to the rumenX® programme charts shown on opposite page (page 7):

- <sup>+</sup> Mix CMR to manufacturer's recommendations.
- <sup>++</sup> If at any stage calves are not consuming target intakes of rumenX®, do not move onto the next stage of the programme until intakes have been achieved.
- <sup>1</sup> If feeding colostrum milk, the volumes offered may need to be reduced as colostrum contains more milk solids than milk.
- <sup>2</sup> RumenX® is offered so that some is always remaining after 24 hours.
- <sup>3</sup> Mix rumenX® and meal together and offer as one meal.
- <sup>4</sup> Larger Breed: Calves must be consuming 1kg rumenX® / head before weaning off milk.
- <sup>5</sup> Smaller Breed: Calves must be consuming 800g rumenX® / head before weaning off milk.
- <sup>6</sup> If shed space is limiting, calves can be put onto pasture earlier, but only if short cropped; they must not lose sight of meal troughs.

### Large Breed (Friesian & Friesian Cross)

Days	Stage	Milk or CMR <sup>+</sup>	RumenX® on Offer <sup>++</sup>	Meal on Offer	Fibre	Water	Pasture
0-7	<b>1</b>	Colostrum 4L/calf/day (i.e. 40kg calf receives 4L split in 2 feeds. RumenX® on offer.)					
8-22	<b>2</b>	2 x 2 L/d <sup>1</sup>	Increase to 400 g/c/d <sup>2</sup>	Nil	Nil	Ad lib	Nil
23-30	<b>3</b>	1 x 2 L/d	Increase to 800 g/c/d	Nil	Nil	Ad lib	Nil
31-42	<b>4</b>	1 x 2 L/d	Increase to 1 kg/c/d <sup>4</sup>	Increase to 500 g/c/d <sup>3</sup>	Ad lib	Ad lib	Nil
43-57	<b>5</b>	Nil	500 g/c/d	Increase to 1 kg/c/d <sup>3</sup>	Ad lib	Ad lib	Ad lib <sup>5</sup>
43-57	<b>6</b>	Nil	Nil	Increase to 1.5 kg/c/d	Ad lib	Ad lib	Ad lib

### Small Breed (Jersey & Jersey Cross)

Days	Stage	Milk or CMR <sup>+</sup>	RumenX® on Offer <sup>++</sup>	Meal on Offer	Fibre	Water	Pasture
0-7	<b>1</b>	Colostrum 3L/calf/day (i.e. 30kg calf receives 3L split in 2 feeds. RumenX® on offer.)					
8-22	<b>2</b>	2 x 1.5 L/d <sup>1</sup>	Increase to 300 g/c/d <sup>2</sup>	Nil	Nil	Ad lib	Nil
23-30	<b>3</b>	1 x 1.5 L/d	Increase to 600 g/c/d	Nil	Nil	Ad lib	Nil
31-42	<b>4</b>	1 x 1.5 L/d	Increase to 800 g/c/d <sup>4</sup>	Increase to 400 g/c/d <sup>3</sup>	Ad lib	Ad lib	Nil
43-57	<b>5</b>	Nil	400 g/c/d	Increase to 800 g/c/d <sup>3</sup>	Ad lib	Ad lib	Ad lib <sup>5</sup>
43-57	<b>6</b>	Nil	Nil	Increase to 1.3 kg/c/d	Ad lib	Ad lib	Ad lib



# Find out how to accelerate rumen development in your calves.

For more information on rumenX<sup>®</sup> please contact your Nutritech Area Manager, Local Vet or Rural Merchant.



Call Customer Services  
0800 REMEDY (736 339)

[www.nutritech.co.nz](http://www.nutritech.co.nz)



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Animal Nutrition that Works, Our Guarantee.