



**ProN8ure**  
Multi-Strain Probiotic

# meat, milk and fibre



*For beef and dairy cattle, sheep, goats and other ruminants*

## ProN8ure, improving health, growth and productivity

- ProN8ure establishes and maintains the essential gut microflora needed for optimal digestive function, adding up to 360,000,000 naturally occurring beneficial bacteria, daily.
- ProN8ure lifts productivity, improving growth rates and weight gains. Feed conversion is maximised through enhanced gut function while ProN8ure suppresses performance restricting pathogens.
- ProN8ure, along with Colostrum antibodies, works to strengthen the natural immune system.
- ProN8ure stops scouring before it starts, inhibiting pathogens like E.Coli and Salmonella, from colonising the gut.

### At birth and weaning

Introducing ProN8ure at birth provides a solid foundation of positive microflora which aids in the metabolism of colostrum and milk and improved

transfer of nutrients, helps prevent scours and protects the young animal from pathogens when it is most vulnerable. At weaning, 'emotional' stress and stress caused by diet changes disrupts the balance of beneficial gut microflora. ProN8ure enhances levels of positive microbes, improves digestion of feed and counters the stress caused by the weaning transition.



### If antibiotics are used

Antibiotic growth-promoters act by inhibiting the growth of pathogenic gut bacteria. The microbes in ProN8ure also inhibit and exclude gut pathogens. Where antibiotics are used to treat infection, ensure ProN8ure is introduced following the last antibiotic dose. Antibiotics destroy the balance of natural microflora in the gut leaving animals more susceptible to re-infection.

### As part of the feeding plan

Trials have shown that ProN8ure, used regularly, produces increased growth rates, better feed conversion efficiency and improved milk quality. Administration is flexible with ProN8ure Liquid for direct dosing, a Soluble for mixing in water, milk or milk replacer, and a Powder for addition to feed. ProN8ure included in the ration for any ruminant, maximises growth and productivity.

**PRON8URE MULTI-STRAIN PROBIOTIC - NATURAL PROTECTION FOR RUMINANTS**

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# ProN8ure<sup>®</sup>

## MULTI-STRAIN PROBIOTIC

### IMPROVED HEALTH, GROWTH AND PRODUCTIVITY IN ALL RUMINANTS

#### The digestive system plays a vital role in the health, vigour and performance of cattle, sheep and goats.

Correct functioning of the digestive system is dependent on the level and balance of billions of bacteria and yeasts called microflora. Microflora are essential for the breaking down of cellulose and other indigestible substances; for the synthesis and absorption of vitamins and minerals; for stimulating the immune system and preventing the proliferation of pathogens like E.Coli and Salmonella (pathogens reduce nutrient absorption, cause infection and disease and even at subclinical levels can affect animal performance).

#### ProN8ure multi-strain probiotic is a live microbial feed supplement formulated to establish, enhance or re-establish the essential microflora.

Seven naturally occurring beneficial strains of bacteria help make ProN8ure the most advanced probiotic in the world today. Unlike earlier single strain probiotics, the microbes in ProN8ure have a special protective coating ensuring maximum 'live' survival rates on the hostile journey through the rumen and abomasum to the intestines. **There are no risks of overdosing and ProN8ure is compatible with all feeds, feed ingredients like vitamins and minerals and some antibiotics.**

#### ProN8ure can be used every day to maintain all ruminants in good health.

The levels of micro-organisms in the gut are constantly changing and affected by many conditions including stress. Ideally ProN8ure should be administered daily at maintenance levels, however, ProN8ure can be used on a short term basis to treat specific problems or introduced at times when difficulties and stress are anticipated. *The common sense approach to using ProN8ure is to stop problems before they start.*

#### PRIOR TO BIRTH

Encouraging the development and maintenance of a healthy gut microflora by feeding ProN8ure prior to parturition will ensure:

#### Use of ProN8ure to combat the effects of stress

Stress plays havoc with the digestive system, disrupting the balance and efficiency of the natural beneficial bacteria, raising intestinal pH and creating opportunities for pathogens.

SOME OF THE MORE COMMON CAUSES OF STRESS IN RUMINANTS INCLUDE:

TRANSPORTATION • CHANGE OF DIET • SHOW PREPARATION • CHANGE OF ENVIRONMENT • BREEDING • PREGNANCY AND LACTATION • TEMPERATURE EXTREMES • ANTIBIOTIC USE • CASTRATION • WORMING • DOCKING • VACCINATION

The use of ProN8ure overcomes the effects of stress by maintaining or re-establishing the necessary levels and balance of beneficial microflora in the gut.

- A healthy animal during the pre and post birth period.
- Healthier, more viable offspring at birth.
- A plentiful production of colostrum.
- More beneficial microbes such as *Streptococcus* and *Lactobacillus* in the mother's faeces rather than potentially disease producing organisms. The newborn animal has a sterile gut and is susceptible to infection by any pathogens which may be passed on by its mother.

#### Introducing ProN8ure from birth has many benefits, including;

##### Protection from scours/diarrhoea

Bacterial scours can be a major problem in ruminants when they are subjected to stress, from whatever cause. Pathogenic bacteria flourish in these circumstances and can overwhelm normal intestinal microflora.

Until now bacterial interference has been achieved by administration of antibiotics. ProN8ure offers the same bacterial interference but in a beneficial way, through the infusion of good bacteria. Whereas antibiotics are used as a reaction to and treatment for scours, ProN8ure is introduced beforehand to protect the calf from the development of scours.

##### Protection from gut infection

A healthy digestive tract is essential for a healthy immune system and ProN8ure works to strengthen both. Beneficial bacteria in ProN8ure actively inhibit colonisation by pathogens like E.Coli and Salmonella. If

pathogens are already present in the gut, ProN8ure effectively excludes or suppresses them so they no longer threaten the animal's health.

Trials conducted in Queensland have also shown ProN8ure is capable of controlling *Aeromonas* infections in cattle. ProN8ure stimulates the immunity by increasing immunoglobulin levels, macrophage concentration and interferon production.

#### Improved weight gains and feed conversion

Normal gut microflora have an important role in the digestion of some otherwise indigestible feed components. ProN8ure helps increase the efficiency of the digestive processes which means better controlled growth and less digestive upsets.

#### MAXIMISE PRODUCTIVITY

ProN8ure controls subclinical infections of pathogenic microbes and maximises the efficiency of gut function to allow animals to make the best use of nutrients in their rations.

*For meat producing animals.* ProN8ure has been shown to increase growth rates and decrease feed conversion ratios.

*For fibre production.* ProN8ure's ability to minimise the effects of stress on intestinal function should minimise variation in fibre diameter throughout the season.

#### Use of ProN8ure for post antibiotic therapy

Broad spectrum antibiotics are commonly used as a first line treatment for infections. While effective, they kill beneficial bacteria as well as pathogens, leaving animals susceptible to re-infection, disease or other upsets.

ProN8ure should be introduced at stress levels immediately following any course of antibiotics. This re-establishes the levels of essential beneficial bacteria needed to resist gut re-infection and re-establish a healthy digestive system.

#### Used regularly ProN8ure can stop gut infections before they start.

Using ProN8ure on a regular basis floods the digestive tract with beneficial bacteria which colonise the wall of the gut, dramatically reducing the sites available for potentially pathogenic bacteria.