

  
**Virusnip**<sup>TM</sup> 

**CATTLE FARM DISINFECTANT**

**The faster way to protect  
your farm against disease**

***(including FMD, Mastitis and Leptospirosis)***



# The benefits of farm bio-security using Virusnip

## Giving your herd the best protection with Virusnip

Modern farming demands implementation of 'best practice' bio-security measures to protect against the very real economic and health threat of biological disease.

Prevention is definitely the best cure so effective bio-security measures are vital to protect dairy and cattle farmers against the costly impact of disease. These costs are not just witnessed on farm but also in the market place, because disease outbreaks frequently impact negatively on consumer confidence leading to reduced demand and diminishing returns.

Virusnip is an advanced soluble powder disinfectant for cleaning and disinfecting all types of cattle and dairy operations.

Instructions for using Virusnip are on the back of this brochure, and following are recommendations that will help to protect your animals, your farm and your profits.

- Protects your cattle, and your business, against compromising viral diseases such as Foot and Mouth Disease and Rinderpest, as well as costly bacterial diseases such as TB, Brucellosis and Leptospirosis
- Reduces the risk of Mastitis by destroying infectious agents such as *Streptococci*, *Staphylococcus spp.*, Coliforms, and Yeasts
- Reduces the risk of food poisoning pathogens like *Salmonella*, *Campylobacter* and *E.coli* causing disease and entering the food chain
- Faster disinfection improves overall herd health and productivity at the same time as reducing labour and treatment costs
- Removes pathogens reducing the risk of disease which results in higher ADG, improved feed conversion, greater milk production, reduced mortality and therefore increased profitability

Virusnip is a powerful, new powder disinfectant with a special, unique *REGENU™* chemistry allowing it to act faster, and work smarter, in all farm environment conditions. And, because Virusnip destroys microbes, you can always be confident that you have given your farm, cows and cattle the best possible protection.

## Virusnip helps protect your farm against:

- Foot & Mouth Disease (FMD)
- Brucellosis
- Leptospirosis
- Tuberculosis (TB)
- Mycoplasma
- Rinderpest
- Contagious Bovine pleuropneumonia (CBPP)
- *Salmonella*
- *E.coli*
- Coliforms (*E.coli*, *Enterobacter*, *Klebsiella*)
- *Campylobacter*
- *Staphylococcus spp.*
- *Streptococci*
- *Pasteurella*
- Fungal diseases

# Keeping your farm and your herd safe



Protecting your farm and your herd against disease relies on management practices which: reduce the risk of introducing disease from outside the farm; reduce the transmission of disease within the farm herd; and routinely identify and eliminate any disease within the herd.

## 1. Reducing the risk of introducing disease from outside the farm:

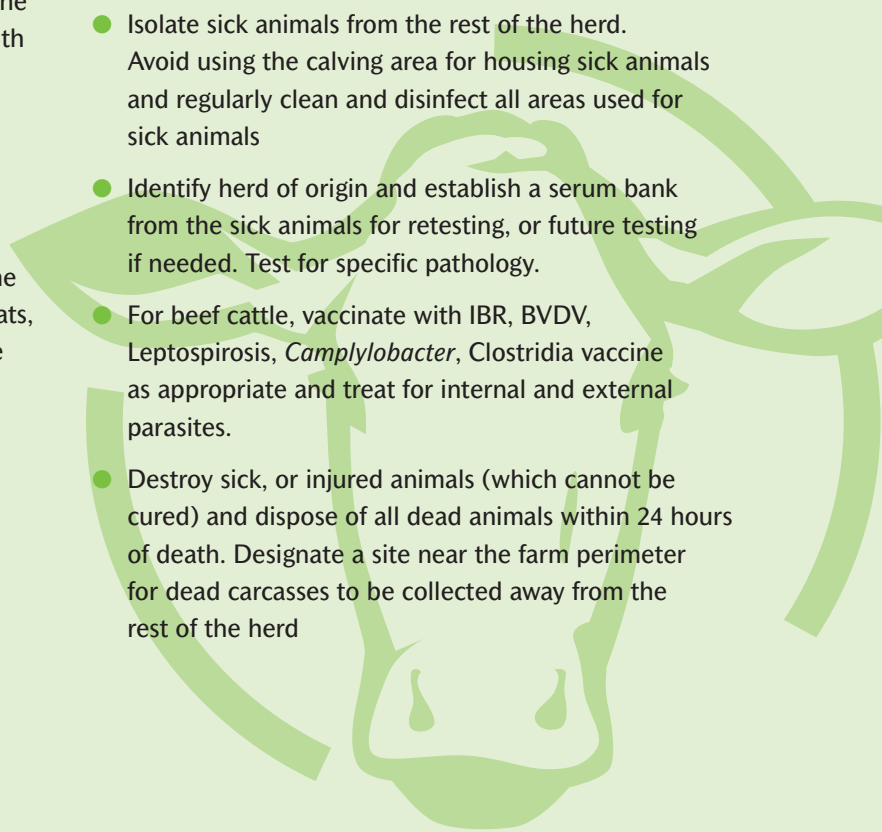
- Ensure all new stock comes from a herd with a known, and good, health status and quarantine new stock to assess their health status before introducing into the herd. Ideally, do not allow stock that has left the farm to return
- Vaccinate the existing herd, where appropriate, before introducing new stock
- All vehicles that visit the farm must be clean. Have a supply of Virusnip, high pressure washers, hoses, brushes and water available for visitors to clean their vehicles, equipment and footwear, as required, before entering the farm. Minimise vehicle movements in and out of the farm and keep vehicles and visitors as far away from stock, buildings and farm equipment as is feasible
- All clothing and footwear must have been cleaned and disinfected with Virusnip before entering the farm buildings and pastures. Provide visitors with clean clothing and footwear, if required
- Place disinfecting footbaths at the entrance points to buildings and pastures and replenish disinfectant weekly (sooner, if the solution becomes heavily soiled)
- Maintain all fences, farm buildings to reduce the risk of contact with wild birds, rodents, dogs, cats, insects and neighbouring livestock. Prevent the accumulation of standing water or spilt feed as this is vulnerable to contamination and may attract animal visitors. Net all windows and keep windows and doors closed when not being used for ventilation
- Ensure your farm has an effective fly control program
- Obtain feed from an accredited supplier who regularly tests for microbial contamination

## 2. Reducing the transmission of disease within the farm herd

- Always wash hands before and after handling cattle and cows
- Routinely clean and disinfect all farm vehicles and farm equipment, including milking systems after use. Do not move equipment from one building to another without disinfecting the equipment and the area where it is to be located/used
- Avoid using multiple cow maternity housing
- Avoid feeding calves unpasteurised milk or waste milk
- For milking cows, put isolated cows through the milking parlour last and then disinfect
- Clean and maintain feed storage and feeding equipment regularly to ensure they do not contaminate the feed and cannot be breached or contaminated by other animals
- Clean water-feeding systems regularly and make sure they cannot be contaminated by wild/and unwanted animals. They should also be routinely drained, cleaned and disinfected. Rinse after disinfecting

## 3. Identifying and minimising disease from the herd:

- Isolate sick animals from the rest of the herd. Avoid using the calving area for housing sick animals and regularly clean and disinfect all areas used for sick animals
- Identify herd of origin and establish a serum bank from the sick animals for retesting, or future testing if needed. Test for specific pathology.
- For beef cattle, vaccinate with IBR, BVDV, Leptospirosis, *Campylobacter*, Clostridia vaccine as appropriate and treat for internal and external parasites.
- Destroy sick, or injured animals (which cannot be cured) and dispose of all dead animals within 24 hours of death. Designate a site near the farm perimeter for dead carcasses to be collected away from the rest of the herd



# Cleaning and disinfecting with Virusnip

Before cleaning or disinfecting with Virusnip remove all animals from the building and wear appropriate protective clothing.

Use	Dilution rate	Application
<b>Terminal disinfection</b>		
For farm buildings, milking parlours, equipment and tools – to destroy viruses, bacteria and fungi	1:100 (1% solution)	Use a low pressure apparatus or other suitable spraying device and apply once at a rate of 300 ml/m <sup>2</sup> and leave for 10 minutes
<b>Routine cleaning and disinfection</b>		
For surfaces, buildings, equipment, and tools	1:200 (0.5% solution)	Use a low pressure washer or other suitable spraying device and apply once at a rate of 300 ml/m <sup>2</sup> and leave for 10 minutes
<b>Disinfection of drinking water systems</b>		
Final cleaning and disinfection	1:200 (0.5% solution)	Fill the dispensing water reservoir (header tank) and the feeder or drainage system with the working solution. After 60 minutes drain and flush with clean water
Continuous disinfection	1:1000 (0.1% solution)	Dose the header tank with appropriate amount or apply through a dosing system
<b>Aerial disinfection</b>		
Spraying into the air (misting)	1:200 (0.5% solution)	Use a pressurised device set at the finest mist setting or use a backpack sprayer. Apply a single dose of the solution at a rate of 1 litre/10m <sup>2</sup> of floor space
Cold fogging	1:100 (1% solution)	Use a mechanical fogger applying a single dose of the solution at a rate of 1 litre/10m <sup>2</sup> of floor space
Thermal fogging	1:50 (2% solution)	Use a thermal fogging machine and apply at a rate of 1 litre/40m <sup>2</sup> of floor space
<b>Disinfection of barriers for footwear, vehicles and animal passage</b>		
Foot baths	1:100 (1% solution)	Replace with a new solution every week or when heavily soiled

For further information on Virusnip applications and performance please contact Novartis Animal Health Inc.

P.O. Box CH-4002 Basel, Switzerland

Both Virusnip™ and Regenu™ are Trademarks of Novartis AG, Basel, Switzerland.

© 2006 Novartis Animal Health Inc., Basel, Switzerland.

20060125

