

#### DIRECTIONS FOR USE

By law the user must take due care, obtaining expert advice when necessary, to avoid unnecessary pain and distress when using the product other than as directed on the label.

This product must not be used for growth promotion in cattle intended for human consumption.

Rumensin Max has been formulated for use with In-line Water Dispenser systems and with Power Drenching systems. It is not recommended for use in Individual-Trough Dispenser systems.

Agitate the contents of this drum before each use.

#### RECOMMENDED DAILY DOSE

Rumensin Max provides the optimum response at a recommended daily rate of **2ml of concentrate per cow per day**.

For Example: 1 litre of concentrate will treat 500 cattle for one day.

#### MIXING DIRECTIONS FOR IN-LINE WATER DISPENSERS

- Before mixing other products with Rumensin Max, please consult your veterinarian for advice. Rumensin Max should be added to the solution tank last, **after** any other ingredients have been included and thoroughly mixed.
- Follow the instructions for your particular in-line water dispenser system.
- **IMPORTANT:** Ensure dispenser is calibrated to dispense ALL of the Solution Tank into the water supply WITHIN a 24-hour period. To achieve this, ensure the Dispenser intake filter is placed as close as possible to the bottom of the Solution Tank.
- Use an agitation pump to provide continuous "stirring" of the Solution Tank.
- Make up a fresh solution tank every day.

**Mixing Option 1:** Measure out the required daily volume of Rumensin Max based on 2ml per cow per day. Measure into a separate bucket approximately 20 times this quantity of water, and add the measured Rumensin Max to the water whilst stirring. Mix thoroughly until the product has fully dispersed. Pour into the Dispenser Solution Tank immediately. Mix thoroughly with a cream stirrer or a similar stirring device. THOROUGH MIXING IS ESSENTIAL.

**Mixing Option 2:** Measure the required daily volume of Rumensin Max based on 2ml per cow per day. Pour slowly into the Dispenser Solution Tank while at the same time thoroughly stirring the Solution Tank. Mix thoroughly with a cream stirrer or a similar stirring device. THOROUGH MIXING IS ESSENTIAL.

#### MIXING INSTRUCTIONS FOR POWER DRENCHING SYSTEMS

- If drenching in combination with magnesium oxide based products, add Rumensin Max *after* the magnesium oxide has fully hydrated. For optimum results allow 12 hours for hydration of the magnesium oxide.
- Flush gun lines thoroughly before drenching begins to ensure Rumensin Max is evenly distributed through the lines.
- If you have a NUMEDIC METERED DRENCH SYSTEM, add Rumensin Max to the main agitated drench tank.
- Rumensin Max may be drenched once daily or twice daily. Ensure dose rate is adjusted to provide a total daily dose of 2ml per cow per day.
- During SEVERE BLOAT CHALLENGE, adopt a twice-daily dosing regime, and consider supplementing with a conventional bloat drench in addition to Rumensin Max.

**Mixing Option 1:** Measure the required daily volume of Rumensin Max based on 2ml per cow per day. Pour slowly into the drench reservoir while the pump is running and mix thoroughly. THOROUGH MIXING IS ESSENTIAL.

**Mixing Option 2:** Measure out the required daily volume of Rumensin Max based on 2ml per cow per day. Measure into a separate bucket approximately 20 times this quantity of water, and add the measured Rumensin Max to the water whilst stirring, and mix thoroughly until the product has fully dispersed. Pour into the drench reservoir immediately while the pump is running and mix thoroughly. THOROUGH MIXING IS ESSENTIAL.

**NOTE:** Bloat is unpredictable. As with any bloat treatment, HERD OBSERVATION IS STILL REQUIRED during bloat challenge periods.

**CAUTION:** Optimal bloat control is achieved when a 2ml/cow/day dose is ingested. To allow consistent daily intakes when using Rumensin Max through in-line water treatment systems, ensure the solution tank is emptied on a daily basis. Wide variation in daily cattle water intakes may provide inconsistent bloat control to the herd. Individual animal treatment may be required in these situations.

Store at 25°C or below. Protect from heat and direct sunlight.

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HELPLINE: Phone 0800 ELANCO (0800 352 626)

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**UN 1851 MEDICINE,  
LIQUID, TOXIC, N.O.S.  
(monensin sodium)**



FOR LABEL DIRECTIONS  
PEEL HERE

#### DANGER

Toxic if swallowed

Causes mild skin irritation

May cause an allergic skin reaction

Causes serious eye damage

Toxic to aquatic life

Harmful to the soil environment

Very toxic to terrestrial vertebrates

Harmful to terrestrial invertebrates

#### READ LABEL BEFORE USE

##### SAFETY PRECAUTIONS AND DIRECTIONS

Wash hands thoroughly after handling. Do not eat, drink or smoke while using this product.

Wear protective gloves, eye and face protection.

Contaminated work clothing should not be allowed out of the workplace. Store locked up.

##### FIRST AID

If medical advice is needed, have product container or label at hand.

IF SWALLOWED: Immediately call the National Poisons Centre 0800 POISON (0800 764766) or a doctor. Rinse mouth.

IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice or attention.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

##### ENVIRONMENTAL PROTECTION

Avoid release to the environment. Avoid contamination of any water supply with product or empty container.

##### EMERGENCY RESPONSE

In case of spillage wear appropriate protective clothing and prevent material from entering waterways. Absorb spills with inert material and place in waste containers. Wash area with water and absorb with further inert material. Dispose of waste safely.

For specialist advice in an emergency call 0800 CHEMCALL (0800 243 622).

##### DISPOSAL

Preferably dispose of product by use. Otherwise dispose of product as part of an approved chemical disposal program. Triple rinse empty container. Dispose of empty triple-rinsed container as part of an approved plastic recycling program. Do not use container for any other purpose.

#### WITHHOLDING PERIODS

It is an offence for users of this product to cause residues exceeding the relevant MRL in the Food Notice:

**Maximum Residue Levels for Agricultural Compounds.**

Meat: NIL

Milk: NIL

#### PRECAUTIONS:

Thoroughly rinse any spills or residues of Rumensin Max from the drum, mixing buckets, or floors to reduce exposure to dogs.

Do not use on dogs or horses as fatal toxicosis may result. Prevent access of medicated water to horses and dogs.

Ensure recommended doses are not exceeded. Do not use concurrently with other Rumensin products.

Do not treat cattle with products containing erythromycin, tiamulin or oleandomycin while using Rumensin Max.

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See www.foodsafety.govt.nz for registration conditions.

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#### "GOOD PRACTICE" RECOMMENDATIONS FOR IN-LINE WATER MEDICATION

Follow the instructions for your particular in-line water dispenser system, paying careful attention to the following points. These recommendations will help in achieving accurate animal dosing.

- Some compounds are NOT compatible with each other. Check with your advisor or veterinarian first and if in doubt, keep the number of products used to a minimum.
- Dilute ingredients before adding to the Solution Tank and always mix the tank thoroughly – ideally using a cream stirrer. THOROUGH MIXING is essential.
- Soluble powder products take time to hydrate or dissolve fully. For optimum results, use two Solution Tanks side by side to allow 24 hours "standing time" so that the product(s) are completely hydrated prior to use. Alternate the use of these solution tanks on a daily basis.
- We recommend the use of an in-line water meter to detect the presence of leaks and to monitor daily drinking behaviour for optimum dispenser calibration.
- A continuous agitation pump within the Solution Tank will assist in preventing products from settling and will enable more accurate dosing. Check and clean the pump filter daily.
- Check, and if necessary, adjust the dispenser calibration setting on a daily basis to ensure that the Solution Tank is **as near to completely emptied each day**. To achieve this, ensure the Dispenser intake filter is placed as close as possible to the bottom of the Solution Tank.
- We recommend the fitting of a ballcock to the bottom of the solution tank to prevent the dispenser running dry.
- Make up a fresh Solution Tank every 24 hours.
- Ensure that the Solution Tank is cleaned out at least monthly to remove any debris or insoluble materials that may have settled.
- **Monitor water pipes on a monthly basis for evidence of accumulating bacterial growth**
  - i) All farm water lines contain a bio-film of bacteria on the inside of the pipes. This develops over time and is common in most reticulation systems. This Bacterial/Algal growth occurs continually in most water reticulation systems.
  - ii) The addition of certain products into the solution tank may stimulate additional growth of the bio-film bacteria always present along the inner surfaces of the pipes. Products include some mineral/trace element formulations, molasses based products and also Rumensin Max.
  - iii) Treatment of biofilm growth is recommended using a chlorine product added to the solution tank. For specific details refer to the Elanco techTALK "Managing Biofilm Growth in Waterlines". This can be viewed or downloaded from www.elanco.co.nz.
  - iv) Do not add chlorine to solution tanks if zinc sulphate is used
  - v) Ensure agitation is used if adding chlorine to solution tanks containing magnesium chloride and Rumensin Max.

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