

# MineralBoost

MAX

## All she needs!

MineralBoost is a rumen dispersible granule containing high quality calcium, magnesium and sodium.

When added to an animal's diet, MineralBoost will maximise production and live weight gain whilst also safe guarding against metabolic disorders. The rumen dispersible granule is a patented delivery technology designed to exhibit the benefits of a granule during mixing and freight (less dust, less segregation, less waste), while dispersing into super fine powder once inside the rumen – providing a very convenient method of adding essential nutrients to an animal's diet.

### Technical Specifications

MineralBoost Max is made up of calcium, magnesium, sodium (salt), Rumensin® and Bioplex® High Five (organic trace minerals). To understand the macro mineral levels available to the cow, MineralBoost is reported in elemental levels per 200gm dose rate, which is as follows:

- **Calcium:** 48gms elemental
- **Magnesium:** 10gms elemental
- **Sodium:** 10gms elemental
- **Monensin:** 300mg per cow per day (Rumensin®)
- **Organic Trace Minerals:** 5gms per cow per day (Bioplex® High Five)

#### CALCIUM

Calcimate in MineralBoost is manufactured from high quality New Zealand limestone. The industry's most stringent manufacturing and testing processes ensures the outcome is a fine, high calcium supplement you can trust. Calcium maximises milk production post-calving, optimises assimilation, improves reproduction, strengthens the cows' immune system, counters the stress from cold weather and extreme activity (i.e. mating, calving) and enables younger stock to reach their growth potential.

#### MAGNESIUM

MineralBoost contains high quality magnesium sourced from Australia. Magnesium is required for the production of hormones that are important for the absorption of calcium from the gut and the mobilisation of calcium from bones. Magnesium supplementation will reduce animal health problems and increase milk production. The magnesium requirement of the modern dairy cow has increased, partly due to increased use of nitrogen (N) and potassium (K) fertilisers and also due to an increase in cow genetic merit. All cows are to some extent deficient in magnesium in late pregnancy. Cows cannot access magnesium stored in the body and therefore it is best to be supplemented daily.

#### SODIUM

MineralBoost contains quality New Zealand sourced sodium. Dairy cows routinely expel sodium from the body in urine, faeces, saliva and milk which has to be replaced. Sodium is an essential element for animals, and may be one of the most cost effective methods of increasing milk production. Research has proven supplementing with sodium can give a significant production response when the dietary level is low. Sodium in some form should be available at all times all year round. Rapidly growing young animals require sodium for new tissue formation and if sodium is deficient, appetite is suppressed.

#### MONENSIN (RUMENSIN®)

Rumensin® is designed for lactating cows to help combat ketosis, improve milk protein production and helps aid in the control of bloat. It controls the fermentation process in the rumen and helps boost the production of certain volatile fatty acids which supply energy to the cow.

#### ORGANIC TRACE MINERALS (BIOPLEX HIGH FIVE)

Bioplex® High Five is a safe, traceable product for improving animal health and performance which leads to increased profitability. Trials show improved reproductive performance, reduced mastitis, and increased hoof hardness. Bioplex® High Five has been specifically formulated for New Zealand cows.

Bioplex® High Five delivers zinc, copper, selenium (as Sel-Plex®), cobalt and iodine which is a specific blend of five essential organic trace minerals designed for feeding all year round.

Bioplex® minerals are organically bound complexes where positively charged minerals such as copper, zinc and cobalt are bound to peptides (very small protein molecules) and amino acids. They are more bioavailable to the cow than inorganic minerals such as sulphates.

#### Dose: 200gms per cow per day

It is not recommended to alter the dose rates of MineralBoost products unless directed by a nutrition consultant.



**Maximum benefits, minimum fuss, a vital base of minerals - Rumensin® plus Bioplex® High Five**

#### Quality Assurance Guarantee

MineralBoost is the only macro mineral product which is routinely tested for heavy metals, mineral content and degradation qualities. MineralBoost is traceable by batch number giving you complete peace of mind for you and your animals.

**Warning:** Seek advice from your nutrition advisor before substantially altering ration componentry. Ensure MineralBoost Max is thoroughly blended throughout the ration before feeding. Do not feed MineralBoost Max four weeks before calving. Do not exceed the recommended dose rate. Care should be taken in ad lib feeding situations.

**Rumensin® warnings:** For animal treatment only. Ensure all feed is well mixed. Do not allow dogs, horses or other equines access to feeds containing monensin. Ingestion by dogs and horses may be fatal. Do not treat cattle with products containing erythromycin, tiamulin or oleandomycin while using Rumensin® 20% Millmix. Severe growth depression may occur. Do not exceed the stated dose and frequency. Do not use at the same time as any other selenised fertiliser, prill or product without consulting a veterinarian.



20A Jean Batten Drive, Mount Maunganui.  
PO Box 14160, Tauranga 3143.  
Phone 07 574 6960 • Fax 07 574 6961

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For more information, contact the RDG team today on 0800 466 736 or visit [www.mineralboost.co.nz](http://www.mineralboost.co.nz)