

# MineralBoost

MAX



**MAXIMISE**

**your feed's  
nutritional value  
with measured  
minerals**

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

**MineralBoost G2 is a rumen dispersible granule containing high quality calcium, magnesium and sodium.**

MineralBoost G2 has been specifically designed to overcome well known mineral deficiencies of supplementary feed and therefore maximise the nutritional value of your PKE, meal blends, silages and grain feeds – enabling you to turn good feed into great feed.

When added to an animal's diet, MineralBoost G2 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 – enabling you with a very convenient method of adding macro nutrients to an animal's diet.

## Technical Specifications

MineralBoost G2 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 G2 is reported in elemental levels per 200gm dose rate to ascertain the approximate makeup of the macro mineral portion of the product, which is as follows:

- **Calcium:** 46gms elemental level
- **Magnesium:** 10gms elemental level
- **Sodium (salt):** 10gms elemental level
- **Monensin:** 300mg per cow per day (Rumensin®)
- **Organic Trace Minerals:** 5gms per cow per day (Bioplex® High Five)

### CALCIUM

Calcimate in MineralBoost G2 is manufactured from high quality New Zealand limestone. Combine this with 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 potential post-calving, boosts low calcium supplements such as PKE and maize silage for optimum 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 G2 contains high quality magnesium sourced out of 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 G2 contains quality New Zealand made sodium. Dairy cows routinely expel Na from the body in urine, faeces, saliva and milk which has to be replaced.

Salt 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. Young animals in rapid growth 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 (based on 450kg animal)

*It is not recommended to alter the dose rates of MineralBoost G2 products unless directed by a nutrition consultant.*

## Warning

Seek advice from your nutrition advisor before substantially altering ration componentry. Ensure MineralBoost G2 Max is thoroughly blended throughout the ration before feeding. Do not feed MineralBoost G2 Max four weeks before calving. Do not exceed the recommended dose rate. Care should be taken in adlib 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.

MineralBoost G2 Max contains monensin 150mg/100g (as Rumensin® 20% Millmix A9107). Rumensin® 20% Millmix is registered pursuant to the ACVM Act 1997 No.A9107. See [www.nzfsa.govt.nz/acvm](http://www.nzfsa.govt.nz/acvm) for registration conditions.

# MineralBoost<sup>G2</sup>

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MAX



**“I changed from my current mineral supplementation programme to MineralBoost G2 Max as it was an all in one mineral supplementation product. Ultimately this has saved me a lot of time from mixing individual ingredients.”**

- Mark Vining, Huntly

### Note:

1. Dairy NZ recommends magnesium requirements for dairy cows post calving range from 15gms elemental up to 20gms elemental depending on breed and milk production.
2. MineralBoost G2 was designed to overcome the shortfalls of supplementary feed not to supply the whole cow's mineral requirement.

## Quality Assurance Guarantee

MineralBoost G2 is the only macro mineral product which is routinely tested for heavy metals, mineral content and degradation qualities. All MineralBoost G2 is traceable by batch number giving you complete peace of mind for you and your animals.

Patent#598971

For more information, contact the MineralBoost G2 team today on 0800 466 736 or visit [www.mineralboost.co.nz](http://www.mineralboost.co.nz)