

# MineralBoost

HI-MAG

## 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 Hi-Mag is made up of calcium, magnesium, and sodium. 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:** 41.5gms elemental
- **Magnesium:** 15.5gms elemental
- **Sodium:** 11gms elemental

#### 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.



**A higher Magnesium product for specific deficiency situations**

### 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 Hi-Mag is thoroughly blended throughout the ration before feeding. Do not feed MineralBoost Hi-Mag four weeks before calving. Care should be taken in adlib feeding situations.



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Patent#598971

**Dose:** 200gms per cow per day

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

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

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## ACCURACY COUNTS

### Recommended dose rate: 200gms/cow/day

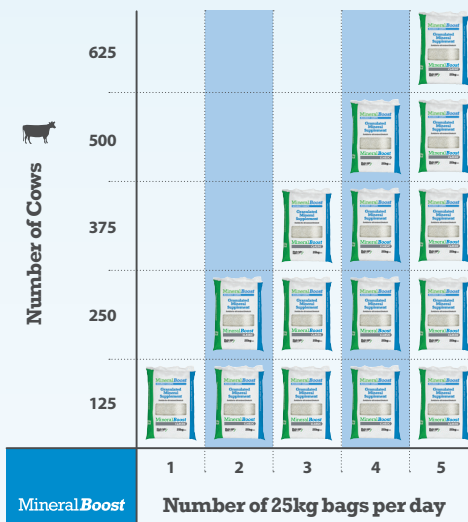
Consult your nutrition advisor regarding altering dose rates.



**25kg bag**  
= 125 doses



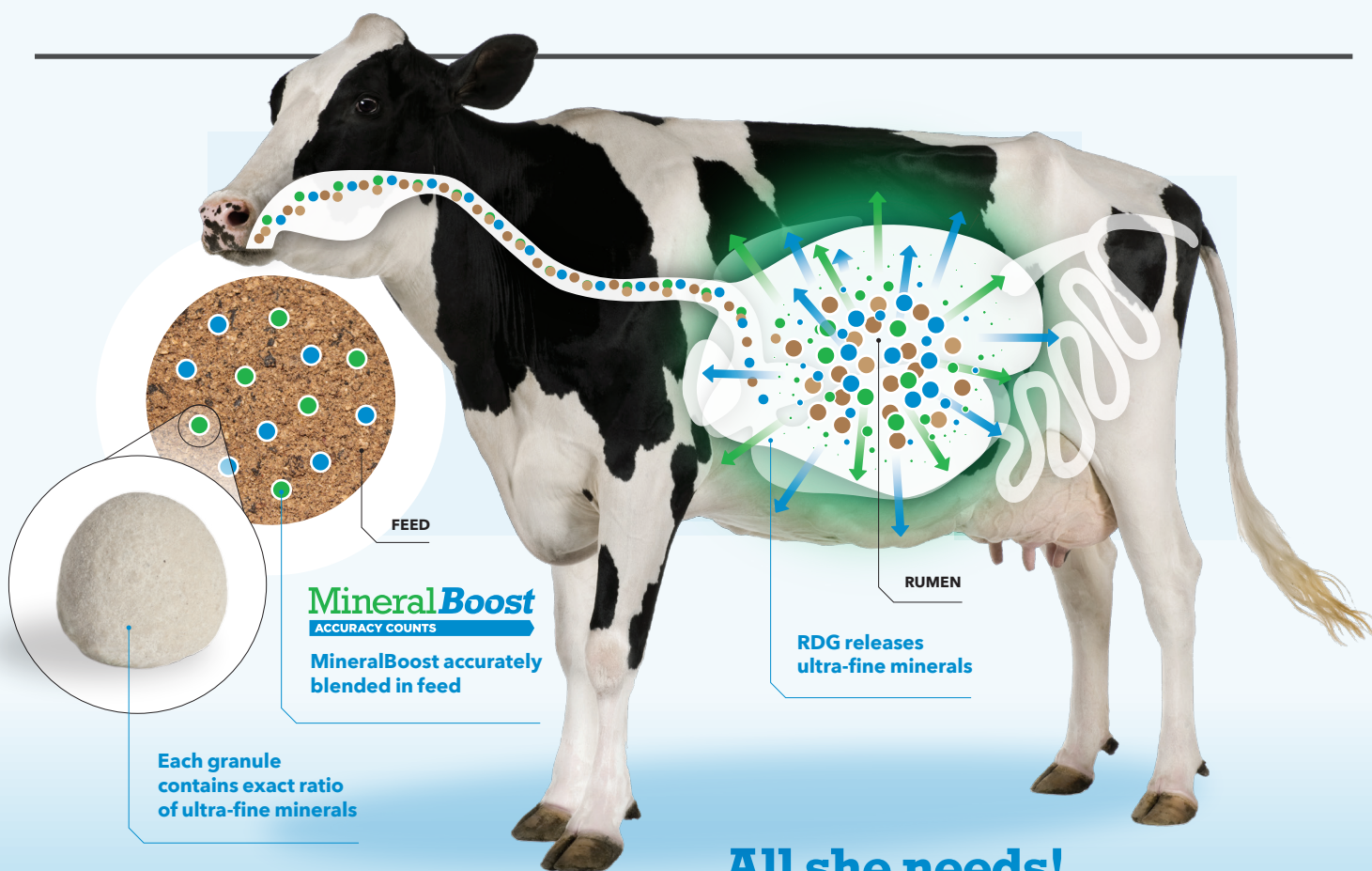
**1 tonne bag**  
= 5,000 doses



### MineralBoost inclusion rates (percentage & kg/tonne)

PKE, meal blends & silages

Total ration feed rate cow/day	2kg	3kg	4kg	5kg	6kg
MineralBoost % in total feed ration	10%	7%	5%	4%	3.4%
MineralBoost per tonne of total feed ration	100kg /tonne	70kg /tonne	50kg /tonne	40kg /tonne	34kg /tonne



**All she needs!**

200 grams, per cow, per day = total daily requirement of Ca, Mg & Na for most dairy cows = less time, waste and money.



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