

MineralBoost^{G2}

ZINC

MAXIMISE

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

**The only ACVM*
registered product
in its class for the
prevention of
facial eczema**



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.

*MineralBoost G2 Zinc® is registered pursuant to the ACVM Act 1997. No A10914. Mineral supplement for the prevention of facial eczema in cows.

Technical Specifications

MineralBoost G2 Zinc is made up of calcium, magnesium, sodium (salt) and zinc oxide (for the prevention of facial eczema).

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:	48gms elemental level	• Sodium (salt):	10gms elemental level
• Magnesium:	8gms elemental level	• Zinc Oxide:	9.6gms elemental level (12gms of zinc oxide)

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.

ZINC

Zinc dosed at therapeutic levels, acts to combat facial eczema by forming a complex with sporidesmin (the toxin produced by *Pithomyces Chartarum*) making it unavailable to cause liver and bile duct cell damage. Zinc for facial eczema is fed at 40 times the recommended feed rate for nutrition, to help prevent facial eczema.

Zinc requirements per 100kg live weight to aid in the prevention of facial eczema

- 2.1g elemental zinc per 100kg live weight for longer term dosing
- 3.2g elemental zinc per 100kg live weight for crisis dosing

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. MineralBoost G2 Zinc is recommended for in shed feeding systems and mixer wagons only.

Warning

Seek advice from an animal health expert before substantially altering ration componentry. Ensure MineralBoost G2 Zinc is thoroughly blended throughout the ration before feeding. Do not feed MineralBoost G2 Zinc four weeks before calving. Do not exceed recommended dose rates. Store off the ground away from moisture. Zinc is toxic in high doses, care should be taken when calculating dose rates. When using feeding products containing zinc oxide, seek professional advice on copper supplementation. Not recommended in ad-lib feeding situation.

It is an offence for users of this product to cause residues exceeding the relevant MRL in the New Zealand (Maximum Residues limits of Agricultural Compounds) Food Standards.

Dangerous to the environment. May cause eye irritation, avoid eye contact. KEEP OUT OF REACH OF CHILDREN.

FIRST AID: If splashed in eyes wash out immediately with water. For advice contact the National Poisons Centre 0800 POISON (0800 764 766) or a doctor immediately.

ENVIRONMENTAL PROTECTION: Very toxic to aquatic organisms. Avoid contamination of any water supply with product or empty container.

DISPOSAL: Preferably dispose of product by use. Otherwise dispose of product, packaging and waste at an approved landfill or equivalent facility.

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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