



Blue Pacific **MINERALS**

MAXIMIN ZINC PLUS

Mg, Ca, P, Na and Zn in a highly dispersible form providing fast and efficient mineral availability to the animal.

Macro mineral mix – MaxiMin Zinc Plus is designed to supply key minerals in a rumen dispersible granule that will blend well with most on-farm feed supplements such as kibbled maize, crushed barley/ wheat, PKE & maize silage.

PRODUCT DESCRIPTION

MaxiMin Zinc Plus has been developed as a convenient way to deliver key macro minerals, high dose Zinc and Optimate in a rumen dispersible granule. Maximin Zinc Plus can be used with most on-farm feed systems and can be blended with any supplementary feed. Maximin Zinc Plus can either be mixed on-farm or request your feed supplier to add it to your supplementary feeds.

MaxiMin Zinc Plus contains Optimate plus Magnesium, Calcium, Sodium and Phosphorus and ACVM registered Zinc Oxide (#A006944). The Magnesium, Phosphorus and Sodium are all supplied from a range of readily animal available minerals and feed additives and Calcium from Calcium Carbonate.

Visit www.bpmnz.co.nz for more information.



ZINC PLUS
MAXIMIN
ESSENTIAL MINERAL MIX

ADVANTAGES

- Easy to use – free-flowing and dispersible in the rumen
- Safe, high quality inputs: Including ACVM registered Zinc Oxide # A006944
- Won't separate out when added to feeds
- Aids in absorbing sporidesmin
- Can assist with minimising the effects of Facial Eczema
- Aids in absorbing fungal toxins
- Independent testing demonstrates high bio-availability of key minerals
- Optimate is known to aid in binding some common mycotoxins- such as aflatoxins, that can exist in some stored feed or pastures



SPECIFICATIONS

Macro Mineral gms nutrient when fed at 200g/cow :

Macro nutrient	Mineral gms when fed at 200g/cow
Optimate	58-60
Magnesium	9.5-10
Calcium	29-30
Phosphorus	2-4
Sodium	2
Zinc	9-9.5

* PLEASE NOTE - Do not feed MaxiMin Zinc Plus before calving or before and after periods of high spore count. Preventative measures include monitoring pasture spore count and either dosing animals with zinc or spraying pastures with a fungicide. Ensure MaxiMin Zinc Plus is well blended throughout the ration before feeding. Seek advice before substantially altering ration feeding rates and take care when feeding adlib.

CALCIUM, MAGNESIUM, PHOSPHORUS, SODIUM & ZINC

Calcium (Ca) and Magnesium (Mg) are both included in Maximin Zinc Plus at a ratio of approx. 3:1 along with Phosphorus (P), Sodium (Na) and Zinc. **Mg** is required for the production of hormones that are important for the absorption of Ca from the gut and the mobilisation of Ca from bones. **Ca** is an essential nutrient for peak optimum milk production, skeletal growth and muscle function and supplements low Ca feeds. **P** has a multitude of functions in animals - a primary role is the integrity and development of the skeletal system and is involved in a number of enzyme systems. **Na** is essential to maintain an animal's water balance and for nerve and muscle function.

Maximin Zinc Plus when added to supplementary feed and fed at 200g/cow will supply 9g/Zinc/cow - long term dosing of Zinc gives protection and should be started 2-3 weeks before the spore growth danger period for maximum protection. There is no cure for facial eczema so prevention is the only way of protecting animals. To be effective, preventative measures need to be in place before eczema spores are found.

OTHER MINERALS

Additional minerals such as extra sodium can be added in a coarse form with Maximin at the point of use.

MAXIMIN CONTAINS 30% OPTIMATE

Optimate is a milled BPM zeolite product that:

- * Can assist in reducing excess rumen ammonium levels
- * Enhances the nutritional value of stock feed
- * Can assist in helping to reduce ryegrass staggers
- * Acts as a rumen buffer
- * Reduces nitrogen losses into the environment
- * Helps control acidosis, ketosis & other ailments

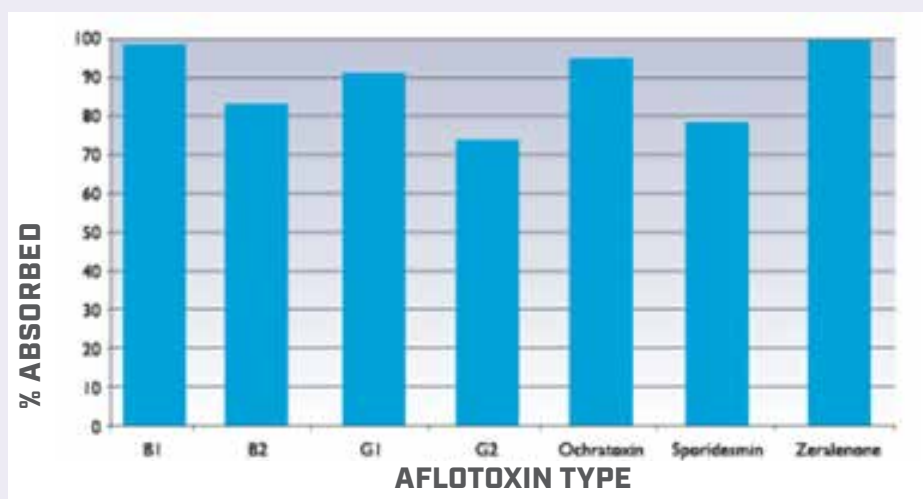
Optimate has been used as a feed additive for livestock for many decades to increase average daily gain and improve health of young stock, improve rumen function and nitrogen utilisation and help prevent metabolic disorders, such as milk fever and ketosis.

Ongoing research is showing that feeding cows Optimate can lower blood urea levels. This is a sign of improved protein-nitrogen utilisation in the rumen of the cow.

GRAPH BELOW

Study results showing Optimate® adsorbency in artificial gastric juice on the aflatoxins B1, B2, G1 and G2 each at 50 and 100 ng/ml (equivalent to 50 and 100 mg toxin/kg feed respectively)

- * Optimate® was added at 1% and 2.5% levels.
- * At 1% Optimate® all free Aflatoxin B1 and G1 in solution was removed * Within 15 minutes and 98% of Aflatoxins B2 & G2



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