

MAGNESIUM OXIDE



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MAGOX

SUMMARY:

Magnesium Oxide is a mined magnesium mineral source used in animal diets where dietary Magnesium may be low

CONTAINS:

Magnesium [Mg] 53%

DOSE RATE:

As directed

Magnesium Oxide

Magnesium Oxide has an elemental value of 53% and is used quite frequently during periods of Hypomagnesemia, Grass tetany, Grass Staggers in sheep etc, all names given to the condition that affects livestock in Winter and spring. Magnesium Oxide has many application methods, as an addition to licks during calving, lambing and where magnesium supplements are used on a whole herd, ad lib situation. Dusting magnesium Oxide powder onto pastures can be affective, best done in the mornings while pasture is dewy.

Magnesium Oxide can be sprayed on hay, or can be added as a powder during baling. Mixing Magnesium Oxide with water to a consistency of wet cement, the applied to hay seems to get very good results and a more even uptake than just dusting powder on loose hay.

Magnesium Oxide can also be used as a drench, but needs to be shaken frequently. Magnesium Oxide can be added to grain based supplements. Top dressing feed in the bale during milking is also popular. Some grades or brands of Magnesium Oxide can be unpalatable to livestock when elevated amounts are used. The Bio availability of some brands may be medium at best, quality ingredients usually come from respected suppliers.

When excessive amount of Magnesium Oxide is used, Phosphorous may need to be added to the treatment.

CLINICAL SIGNS OF PROBLEMS

Mg uptake can be affected during cold periods when natural light is affected (short cloudy days). Often we see Grass Tetany in Cattle as an occurring problem.

Livestock are usually grazing lush grass dominant pasture, or lush cereal crops, Cold, wet windy weather.

Heavy use of Potash or Nitrogen on pastures, Stock recently moved to fresh paddock, Animals either over fat or rapid weight loss.

Cattle can be very nervous, restless, excitable, over alert, teeth grinding. In some cases stock may convulse, lay down or and struggle, often death follows. Dairy cows in peak lactation are often most affected.

FUNCTION OF MAGNESIUM

Bone and teeth integrity, Involved in the bodies hormonal activity, essential for cell respiration, carbohydrate, protein and fat metabolism. Neuromuscular activity.

Magnesium Increases rumen Ph and can help increase milk yield and butter fats. Relaxes nerve impulses, improves smooth muscle function, appears to have a role in vitamin D activation. Absorption is reduced by high levels of Ca, P, K, Fe, fats, oxalic acid and phytate.

Absorption occurs through the digestive tract and endogenous secretions that can be resorbed.

Absorption in Ruminants is improved with more readily degradable carbohydrates, namely soluble sugars.

PACK SIZES :

2 kg, 5 kg, 25 kg bags.

This product does not contain restricted animal material.

Store in a cool dry place, nil withholding period.



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