Magnesium Chloride Feed

High purity feed grade $MgCl_2$ for animal nutrition

All
Major livestock species served

High
Highest Bio availalability of Mg vs other magnesium salts

Preferred
Mg source in high potassium rations and grazing systems

DCAD value
-10k meq/kg DM.
Highest DCAD value of all available magnesium sources.

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Magnesium chloride is one of the most bioavailable magnesium sources for livestock. Its high solubility, rapid absorption and dual role as both a mineral supplement and dietary anion make it indispensable across multiple animal nutrition applications.

01 GRASS TETANY PREVENTION

Hypomagnesaemia in ruminants, the underlying cause of grass tetany, a potentially fatal condition in dairy cattle

- Most prevalent in cows at peak lactation, when Mg loss via milk exceeds dietary intake
- Key risk: high-potassium spring pastures actively suppress magnesium absorption in the rumen
- MgCl2 preferred due to high water solubility and faster absorption vs. magnesium oxide
- Used in mineral lick blocks, loose mineral mixes, boluses, drinking water supplements and compound feed

02 DCAD MANAGEMENT — TRANSITION COWS

Pre calving anionic salt programmes and DCAD management for milk fever prevention in high producing dairy herds

- MgCl2, with a DCAD value of -10k meq/kg DM induces mild metabolic acidosis that primes the cow to mobilise calcium
- Fed for 2–3 weeks before calving as part of the transition cow programme
- Magnesium enables sufficient production of parathyroid hormone, reducing risk of low blood calcium levels
- Used in fat coated anionic salts, dry cow mineral packs, TMR blends and liquid supplements

03 ELECTROLYTE & HEAT STRESS

Heat stress causes rapid electrolyte depletion through panting and respiratory alkalosis across all major livestock species

- MgCl2 is a key component of water-soluble electrolyte powders for all major livestock species.
- Chloride supports acid-base homeostasis, counteracting heat-induced alkalosis
- Magnesium supports nerve and muscle function; critical for cardiac health under stress
- Applied in electrolyte water additives, calf rehydration sachets, poultry heat stress packs and swine supplements

04 POULTRY, SWINE & AQUACULTURE

Magnesium supports eggshell quality in poultry, reproductive performance in swine, and water balance in aquaculture

- Swine diets rely on magnesium for reproductive performance, particularly sow herds around farrowing
- High solubility makes MgCl2 ideal for liquid premix systems and water-based supplementation
- Magnesium is an essential component of aquaculture water chemistry
- Used in layer hen premixes, broiler feed, sow and piglet supplements and aquaculture feed

$CaCl_2$ + $MgCl_2$ - Because calcium and magnesium deficiencies often occur simultaneously around calving, both minerals are frequently used together in animal nutrition. Oral drenches, DCAD formulations, boluses, and electrolyte supplements commonly include both salts as active ingredients.

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Nedmag, based in Veendam, the Netherlands, produces high quality magnesium and calcium products for food, feed, water treatment, and industrial applications. Using minerals from the ancient Zechstein Sea, Nedmag supplies customers worldwide with reliable solutions.

For more information about our products, visit www.nedmag.com