Grass Tetany
Grass Tetany is a deficiency of Magnesium common in lactating cows and ewes on Spring and Autumn grass. Standard preventative Magnesium supplementation recommendations are:
- Cows: 28g/day (1oz) to help prevent Grass Tetany on pasture.
- Ewes: 5g/day, to help prevent Grass Tetany on pasture.

Cal Mag
Cal Mag = Calcined Magnesite = Magnesium Oxide = MgO = 50% Mg.
Cal Mag supplies Magnesium (Mg) to help prevent Grass Tetany caused by Mg deficiency. "Calcined" refers to the manufacturing process, not Calcium. Cal Mag contains no Calcium.

Feed-grade Cal Mag is 50% Mg and is the standard for feeding recommendations:
- Cows: 56g/day (2oz) to help prevent Grass Tetany on pasture.
  In challenging situations cows may need 4oz/day.
  Dairy feeds with Cal Mag are not suitable for other stock.
  Pasture scour: 6oz/day is required to cause scour. Scouring on grass is usually excess grass protein.
- Ewes: 10g/day, to help prevent Grass Tetany on pasture.
  Cal Mag should not be fed to dry sheep particularly rams, to avoid kidney stones (Urinary Calculi).

Sweetened Cal Mag is diluted to 33% Mg to increase palatability. 3oz replaces 2oz feed-grade Cal Mag.

Dusting Cal Mag (50% Mg) - spread 7.5oz/cow/day (215g/hd) on the daily paddock, but repeat after heavy rain.

Gain Dairy Feeds – Cal Mag levels
Gain high-protein Winter feeds: 2oz/4.5kg. (2oz/10 lbs)
Gain low-protein Pasture feeds: 2oz/2.5kg. (2oz/5.5lbs) Feeding rate 2.5-3.75kg/hd/day.
Gain Pasture Micro Nuts: 2oz/1.5kg. (2oz/3.3lbs). Feeding rate 1.5-2.0kg/hd/day.

Gain Sheep Feeds – Cal Mag levels
Hi Cal Mag: Ewe Mag Nuts (10g/0.75kg.)
Low Cal Mag: Ewe Master Nuts (10g/1.5kg.).
No Cal Mag: Super Ewe Nuts, Prime Ewe & Lamb Nuts, Mega Ewe Blend, Sheep Blend.

Super Ewe Nuts and Prime Ewe & Lamb Nuts are suitable where lambs eat along with ewes at feeding times.

<table>
<thead>
<tr>
<th>CAL MAG</th>
<th>Mixing rate to provide 28gMg/cow/day</th>
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</thead>
<tbody>
<tr>
<td>Concentrate Daily Feed Rate kg (lbs)</td>
<td>Feed-grade Cal Mag (50% Mg) kg/tonne</td>
</tr>
<tr>
<td>9.0 (20)</td>
<td>6.25</td>
</tr>
<tr>
<td>7.0 (15)</td>
<td>6.75</td>
</tr>
<tr>
<td>4.5 (10)</td>
<td>12.5</td>
</tr>
<tr>
<td>3.5 (8)</td>
<td>19.25</td>
</tr>
<tr>
<td>2.25 (5)</td>
<td>25</td>
</tr>
<tr>
<td>1.75 (4)</td>
<td>31.25</td>
</tr>
<tr>
<td>1.1 (2.5)</td>
<td>50</td>
</tr>
</tbody>
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