

## Hi Cal Buffer

Rod's Hi Cal Buffer Loose Mix contains Bovatec and Acid Buf. It can be used adlib in a feedlot pen or in a containment pen and will provide the mineral balance required to balance a full grain ration. Bovatec® can improve feed efficiency and help to reduce the incidence of coccidiosis. Acid Buf® will help reduce the incidence of acidosis when stock are introduced to grain or being fed high quantities of grain supplementation.

Hi Cal Buffer is also useful when stock are grazing stubbles with large quantities of grain available to assist with feed conversion and reduce the risk of acidosis or when stock are grazing lush high protein spring feed when rumen pH needs to be increased.



Made from Minerals, *not Fillers.*

### KEY INGREDIENTS

Maximum Salt: **18%**  
 Calcium: **19.6%**  
 Magnesium: **3.56%**  
 Crude Protein: **1.95%**  
 Crude Fibre: **4%**  
 Bovatec: **876 mg/kg**  
 Acid Buff: **24%**  
 Phosphorous: **1.8%**

### CAL:MAG RATIO

**5.5:1**  
 Target Cal:Mag ratio for optimum efficacy is between 1.3:1 and 5.8:1 (Cal should always exceed Mag)

### VITAMINS & MINERALS

A, D, E, B1, Cobalt, Copper, Iron, Iodine, Manganese, Selenium, Zinc, Sulphur

### FEEDING GUIDE

Cattle: **60-150 g/head/day**  
 Sheep: **15-40 g/head/day**

## Calcium to Magnesium Ratios

Target Cal:Mag ratio for optimum Efficacy is between 1.3:1 and 5.8:1 (Cal should always exceed Mag)



### Less than 1.3:1

#### Low Ca

Hypocalcaemia "Milk Fever"

✗ Mortalities

✗ Production ↓

✗ Growth Rates ↓

✗ Bone Disorders

✗ Marking % ↓

## Ca:Mg

Optimum Absorption & Production



### More than 5.8:1

#### Low Mg

Hypomagnesaemia

✗ Grass Tetany

✗ Reduced Vitamin D Production

✗ Calcium Absorption ↓

✗ Hypocalcaemia Risk ↑

✗ Mortalities in Ewes & Lambs

### Salt (Sodium) — *The Facts.*

Salt is commonly used as an intake regulator and palatability enhancer in mineral supplements. At moderate levels, it can act as an effective attractant, encouraging animals to consume the supplement. However, when levels exceed 25%, salt begins to have the opposite effect, limiting intake and potentially reducing the animal's ability to consume the required levels of more important nutrients like calcium, magnesium and trace elements.

### Bypass Protein (True Protein) — *The Facts.*

While bypass protein is vital, the most cost-effective way to supply it is through feeds not through mineral supplements.

See the tables on our website that illustrate why bypass protein, molasses and carbohydrates in supplements are ineffective and expensive.

### Molasses & Carbohydrates/Sugar — *The Facts.*

Molasses and carbohydrates/sugar are often used in supplements as attractants, and while they can improve palatability, when consumed at recommended rates, and not matched by adequate nitrogen, the contribution to overall daily energy is small.

