

Feeding Recommendations

Immubooost Mineral Lick

Remove lid from bucket and place out at pasture or inside.

Allowance: Strictly adhere to the feeding guidelines clearly printed on each block.

Outside: Move the feeding points regularly to avoid poaching.

Inside: Place the bucket in mangers or feed troughs to avoid soiling.

Method: Place buckets inside a small car tyre to prevent them been knocked over. Intakes at grass are encouraged by locating the bucket close to the water source.

Mineral Lick Intakes

Recommended Daily Intakes:

175g per head per day

Requirement Guide

Allow 3 x 20kg blocks per 38 cows in an 9 day period.



Immubooost Molassed Mineral

Designed to be either top dressed or included in home mixed feeds. Mixing the mineral into feed is to be recommended as this ensures a more accurate intake. Alternatively, the required amount of mineral can be direct fed on forage, preferably twice a day.

N.B. Free access in not recommended because of the levels of trace elements included in and also because of the variation found in animal intakes. Where being fed directly strict adherence to the fixed daily feeding levels printed on the packaging is recommended.

Molassed Mineral Intakes

Recommended Daily Intakes:

100g per head per day

Warning

Immubooost should not be fed in conjunction with other mineral supplements.

| Analysis | Immubooost Mineral Bag | Immubooost Mineral Lick |
|---------------------|------------------------|-------------------------|
| Vitamin A | 500,000iu/kg | 250,000 iu/kg |
| Vitamin D3 | 150,000 iu/kg | 71,500 iu/kg |
| Vitamin E | 3,000 mg/kg | 2,140 mg/kg |
| Selenium | 60 mg/kg | 29 mg/kg |
| Selenium as Selplex | 8 mg/kg | 4.5 mg/kg |
| Iodine | 700 mg/kg | 400 mg/kg |
| Cobalt | 100 mg/kg | 57 mg/kg |
| Zinc | 5,000 mg/kg | 2,850 mg/kg |
| Copper | 4,000 mg/kg | 2,300 mg/kg |
| Manganese | 4,500 mg/kg | 2,600 mg/kg |
| Sodium | 16% | 8% |
| Magnesium | 18.50% | 12.00% |
| Phosphorus | 2% | - |
| Calcium | 2% Max | 1.5% |
| Chelated copper | 400mg/kg | 200mg/kg |
| Bio-Mos | 25,000mg/kg | 14,300mg/kg |
| Product Codes | 1170 | 1931 |
| Revised: 17/08/2007 | | |

Available

Immubooost is available as both a molassed mineral lick and a powdered supplement. The mineral lick is in 20KG robust, weatherproof containers and the mineral is in 20KG bags.



For further details please contact your local Nutribio Rep

| | | |
|----------------|-------------------|--------------------|
| Keith Chambers | 087 2534585 | Commercial Manager |
| Enda Moran | 086 8240808 | South |
| Joe Sinnott | 087 2535875 | East |
| Ray Connolly | 087 2590183 | West |
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IMMUBOOST

PreCalver Mineral



Unique PreCalver Mineral designed to protect the health of the cow and her unborn calf.



IMMUBOOST

ImmuBoost is a highly palatable, premium quality Pre-calver mineral designed to protect the health status of the cow and the unborn calf in the dry period

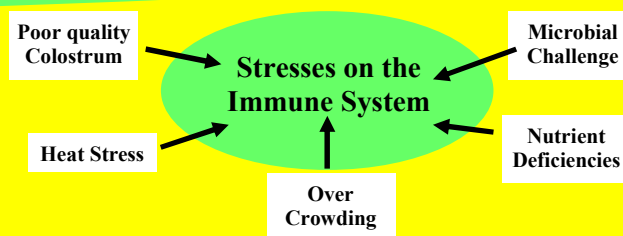
- Designed to ensure easier calving and to produce strong and health calves.
- Rich in molasses and contains 'Pro-Phine' for better intakes
- Exclusive ingredients designed to improve colostrums quality thereby reducing the incidence of disease in calves.
- High mineral and vitamin specification. The high Vitamin E, Iodine and Selenium levels ensure healthy calves with a high level of disease resistance.
- Aid in the management of somatic cell count levels

Immubooost contains key exclusive ingredients

Bio-Mos™ - Improve Colostrum & Aid Immunity
ImmuBoost contains Bio-Mos™. Bio-Mos is a *Phosphorylated Mannan Oligosaccharide* derived from the cell wall of yeast. This complex carbohydrate product has been scientifically proven around the world to be beneficial to animals.

For calves, the first 24 hours after birth are critical. If the calf fails to consume colostrum, or if this is not adequately absorbed, the future health and productivity of the calf will not be optimal. Calves that fail to consume sufficient Colostrum are more likely to :

- Pick up disease from other calves (scours, respiratory disease)
- Gain nearly 0.1 lbs less daily than non-FTP calves.
- Suffer high mortality (5 times higher)
- Attain lower milk production peaks upon maturity



Certain complex sugars play a critical role in the immune system of the animal. One of the mysteries of animal production has been why these occur in high-level mammals such as humans and rats, but are nearly non-existent in cow's milk. One theory is that oligosaccharide levels in milk appear to be related to the maturity of the animal at birth

Ruminants give birth to large, fully formed young with relative mature immune systems, decreasing the need for these immune-modulating sugars. Modern production pressures, however, have changed this. The immune system of a calf in a modern production system is under constant bombardment and stress.

Therefore it is clear that to give calves the best start high-quality colostrum is essential. Bio-Mos one of the unique ingredients in 'ImmuBoost' ensures that the cow's Colostrum is of a better quality, thereby improving the calf's immunity.

Bio-Mos has three main benefits

- Prevents pathogenic bacteria from attaching to the gut wall, significantly reducing colonisation of salmonella and E. Coli
- Alters gut morphology, improving the absorption of nutrients
- Helps the immune system respond to infections

Bio-Mos has been extensively tested with the following benefits reported for calves:

- Faster growth
- Healthier calves less likely to suffer from diseases
- Reduced mortality and morbidity

Selenium and Iodine – Easier Calving

Iodine when fed in either feed or supplement is easily absorbed and stored in the body in the inactive form of T4. **Before becoming available to the animal it must be converted to the form T3.** This conversion is dependent on Selenium.

Trials have shown that feeding protected Selenium increased the amount of circulating active T3 in both the cow and calf.

Protected Selenium is the key to remedy Iodine deficiency, leading to:

- Less Retained Placenta
- Quicker, Cleaner Calving
- Reduced Calf Mortality
- Enhanced immunity and thrift



Improved cow fertility

These unique ingredients ensure that calves are born healthier, with improved immune systems. Calving is easier with less retained after-births, the quality of the colostrum is better with higher levels of anti-bodies helping the calf to fight disease and improving growth rates.

Molasses & Pro-Phine – Increased Intakes

The high level of molasses in the ImmuBoost mineral lick ensures high palatability for optimum intakes. Pro-Phine is a new, high performance ingredient for optimum intakes, it is included in the ImmuBoost Mineral bag. Extensive trials have shown Pro-Phine to have the following effects:

- Optimum Intakes
- More Essential Nutrients
- High Performance
- Appetising Aroma
- High Moisture Content.

