



**NATIONAL**  
FEED SOLUTIONS Pty Ltd

Suppliers of Elite nutrition and solutions

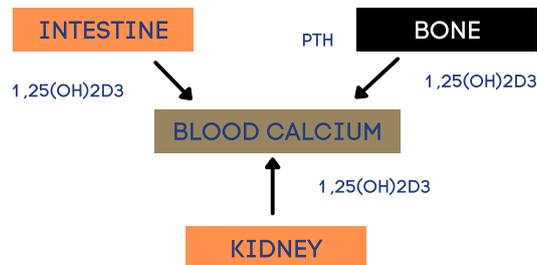
# ELITE RUMIGROOM 600

Calving is an enormous challenge. Problems at this time will impact productivity for the year, the health of the herd and their ability to go back in calf. An appropriate springer diet will prepare the cows system for calving and enable her to meet the challenges of the new lactation head on. Elite RumiGroom 600 is an integral component of this diet.

## THE MAIN CHALLENGES

- The onset of colostrum and milk production increases requirements for energy and protein as well as calcium, phosphorus, magnesium and vitamins and trace minerals, at a time when dry cow diets are relatively poor and dry matter intake is dropping.
- While only 5-7 % of cows show signs of clinical milk fever, it is estimated that 66 % of cows actually suffer from subclinical milk fever. At calving a cow will lose 9 times the amount of calcium in her entire blood calcium pool.
- Smooth muscle contractions are compromised by decreased calcium levels, cascading into problems with rumen function (rumen contractions rely on calcium), mastitis (strong and timely teat end closure), and displaced abomasums (abdominal muscles holding organs in place).
- Calcium balance plays further roles in cell mediated immune function, at a time when large levels of Cortisol, a stress hormone, are released and suppress the immune system. Retained placenta, mastitis and metritis are all highly associated with poor immune function.

**The springer diet therefore needs to provide energy and protein in a nutrient dense bundle, teamed with the Elite RumiGroom 600 Pellet to optimise calcium balance, stimulate the immune system and enhance feed efficiencies.**



(Adapted from McNeil 2000 & Haussler et al. 1997)

- With a superior blend of anionic salts, Elite Rumigroom 600 acidifies the diet, enhancing the actions and production of Parathyroid hormone (PTH) and 1,25-dihydroxy vitamin D3 (1,25(OH)2D3). These two hormones are key to enhancing calcium absorption mobilisation from the bone and resorption of calcium from the kidney.
- In addition to its anionic qualities, Elite Rumigroom 600 also contains Hy-D, a middle product in the conversion of Vitamin D to 1,25(OH)2D3, differentiating it from many of the anionic salt products on the market.
- Monensin is included to increase feed conversion efficiencies at a time when intake is dropping and energy demands are rapidly increasing.
- Fibosel is a fairly unique inclusion, delivering  $\beta$ -glucans (polysaccharides) shown to stimulate the immune system.
- Fortified with Organic Manganese, Copper, Zinc & Selenium and contains High Levels of Vitamin E to reduce oxidative stress during the stressful transition period.



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