



# Ca3 BioFresh®



Ca3 BioFresh® is a registered product of Agrarian Solutions LLC, Nappanee, IN.  
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## THE NON-CAUSTIC CALCIUM BOLUS

Milk fever is a metabolic disease caused by a low calcium blood level. A short time after calving the metabolism must mobilize a lot of calcium from the bones. This “mobilization start” takes around 48 hours. In the meantime, there is a gap of calcium in the blood. This gap influences muscles and nerves in a negative way. Milk fever arises.

Cows with optimum calcium and vitamin D3 supply have a better start to lactation, are healthier and produce more milk.

Ca3 BioFresh® offers:

- very high levels of fast and slow availability calcium (45.5 g) and vitamin D3 (50,000 I.E.) per bolus!
- calcium sources with varying release rates supply the cow evenly with calcium
- very well tolerated by membranes – no irritation of the mouth, esophagus and rumen
- no caustic calcium chloride
- easy application and economical – one bolus per dose is enough!
- Vitamin D3 enhances calcium and phosphorus metabolism and supports immune function.

## RESEARCH

Study conducted by independent veterinary research company at 6,000-cow dairy.

- One hundred and five 2nd lactation and greater cows blocked by parity and assigned to one of three treatments:

Control: Negative control with no supplemental Ca at calving

Trt 1: One Ca3 bolus within 3 hr of calving

Trt 2: One Ca3 bolus within 3 hr of calving and a 2nd Ca3 bolus within approximately 12 hr of calving

- All cows were enrolled in the study within a 10-d period.
- At 12 hr post-calving, trt 1 and 2 cows had greater ( $P < 0.06$ ) ionized blood Ca than control cows
- At 24 hr post-calving, the control and trt 1 cows were similar for ionized blood Ca, yet the trt 2 cows were higher ( $P < 0.10$ ) than the control cows.

## USE DIRECTIONS

Administer one bolus with the applicator as per the instructions when calving. If required, administer a second bolus approx. 12 hours after birth.

## PACKAGING

48 boluses per box (#11040)

## STABILITY

Stable for two years. Store in cool, dry place.

## INGREDIENTS

tricalcium phosphate, calcium sulfate, glucose syrup, magnesium, stearate, calcium acetate.

## GUARANTEED ANALYSIS

Calcium (min).....45.5 grams per bolus

Vitamin D3.....50,000 I.U. per bolus



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