

# THE TOP WAYS BOVIKALC® SUPPLEMENTS DELIVER

1

## **PROVIDES CALCIUM TO FRESH COWS WHEN THEY NEED IT MOST.**

Immediately after calving, cows experience high levels of calcium loss through milk and colostrum.<sup>1</sup> Even when signs aren't visible, subclinical hypocalcemia can lead to a cascade of complications that could have been avoided.

2

## **DELIVERS TWO ESSENTIAL TYPES OF CALCIUM: CHLORIDE AND SULFATE.**

These two calcium ingredients have been proven best in helping cows get back to optimum performing levels, while the ingredients in other brands fall short.<sup>1</sup>

3

## **A TWO-BOLUS PROTOCOL CAN MAKE ALL THE DIFFERENCE.**

Administering an oral calcium supplement at calving, and again 12 to 24 hours later, can provide much-needed calcium supplementation. This is especially critical in second-lactation-or-greater cows, even if on a balanced transition diet.<sup>1,2</sup>

4

## **NOT ALL BOLUSES ARE CREATED EQUAL.**

A BOVIKALC bolus dissolves completely just 30 minutes after reaching the rumen.<sup>3,4</sup> Plus, its fat coating makes administration easier and safer for both workers and fresh cows.

5

## **CAN BOOST AN ANIONIC-SALT PROGRAM.**

Anionic salts can reduce cases of subclinical hypocalcemia, but not necessarily eliminate them. According to research, even herds in a quality anionic-salts program can still benefit from the oral calcium supplementation that BOVIKALC boluses deliver.<sup>1,5</sup>

*MILKING GREATNESS*



# AVOID THE HIGH RISKS OF LOW CALCIUM.

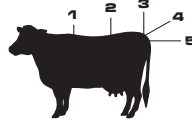
The threat of subclinical hypocalcemia typically increases in cows as they age, but there are other important risk factors to consider.

## BOVIKALC® BOLUSES CAN BENEFIT COWS WITH RISK FACTORS FOR SUBCLINICAL HYPOCALCEMIA, WHICH MAY INCLUDE COWS THAT:

Are on their second or greater lactation

2+

Have high body-condition scores



Produced a high milk yield in the previous lactation



Have a history of milk fever



Go off feed post calving



Have lameness



## THE PROOF IS IN HER PRODUCTION

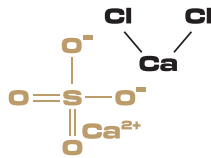
BOVIKALC supplements have been supported by peer-reviewed research.

The BOVIKALC boluses help to maintain healthy blood calcium levels after calving and maximize milk production. Plus, when using the 2-bolus protocol, BOVIKALC can have a positive ROI on herd performance.<sup>6</sup>

## QUALITY ASSURANCE STANDARDS THAT ENSURE EVERY BOVIKALC® BOLUS IS CONSISTENT AND MEETS SPECIFICATIONS.



Manufactured in a GMP+ certified facility



All raw materials are tested for purity



All boluses are weighed individually



Production records are checked by QA

LEARN MORE ABOUT THE BENEFITS OF BOVIKALC® BOLUSES AT [STARTWITHBOVIKALC.COM](https://startwithbovikalc.com).

<sup>1</sup> Goff JP. The monitoring, prevention and treatment of milk fever and subclinical hypocalcemia in dairy cows. *Vet J* 2008;176(1):50-57.

<sup>2</sup> Kimura K, Reinhardt TA and Goff JP. Parturition and hypocalcemia blunt calcium signals in immune cells of dairy cattle. *J Dairy Sci* 2006;89(7):2588-2595.

<sup>3</sup> Data on file at Boehringer Ingelheim.

<sup>4</sup> Goff JP and Horst RL. Oral administration of cattle salts for treatment of hypocalcemia in cattle. *J Dairy Sci* 1993;76:101-108.

<sup>5</sup> Oetzel GR and Miller BE. Effect of oral calcium bolus supplementation on early-lactation health and milk yield in commercial dairy herds. *J Dairy Sci* 2012;95(12):7051-7065.

<sup>6</sup> McArt JAA, Oetzel GR. A stochastic estimate of the economic impact of oral calcium supplementation in postparturient dairy cows. *J Dairy Sci* 2015;98(10):7408-7418.