BOVIKALC®
calcium supplement

Cattle First. Boehringer Ingelheim

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.[1] 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.[1]

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.[1,2]

4 NOT ALL BOLUSES ARE CREATED EQUAL.

A BOVIKALC bolus dissolves completely just 30 minutes after reaching the rumen.[3,4] 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.[1,5]

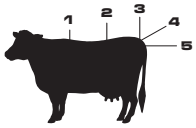
AVOID THE HIGH RISKS OF LOW CALCIUM.

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

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

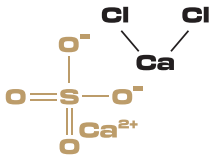
THE PROOF IS IN HER PRODUCTION

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.[6]

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.

[1] Goff JP. The monitoring, prevention and treatment of milk fever and subclinical hypocalcemia in dairy cows. *Vet J* 2008;176(1):50–57.
[2] 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.
[3] Data on file at Boehringer Ingelheim.
[4] Goff JP and Horst RL. Oral administration of cattle salts for treatment of hypocalcemia in cattle. *J Dairy Sci* 1993;76:101–108.
[5] 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.
[6] 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.