

THE DIFFERENCE OF A FULLY ACIDOGENIC DCAD DIET

Cows with subclinical hypocalcemia have been shown to produce less milk, have poorer reproduction and are at greater risk for displaced abomasum, metritis and culling by 60 days in milk compared to cows that maintain adequate blood calcium concentrations in the transition period¹⁻⁴.

The effects of subclinical hypocalcemia can devastate the health of your herd and your operation's bottom line.

SUBCLINICAL HYPOCALCEMIA AFFECTS **MORE THAN 50% OF COWS** ENTERING THIRD OR GREATER LACTATION⁵

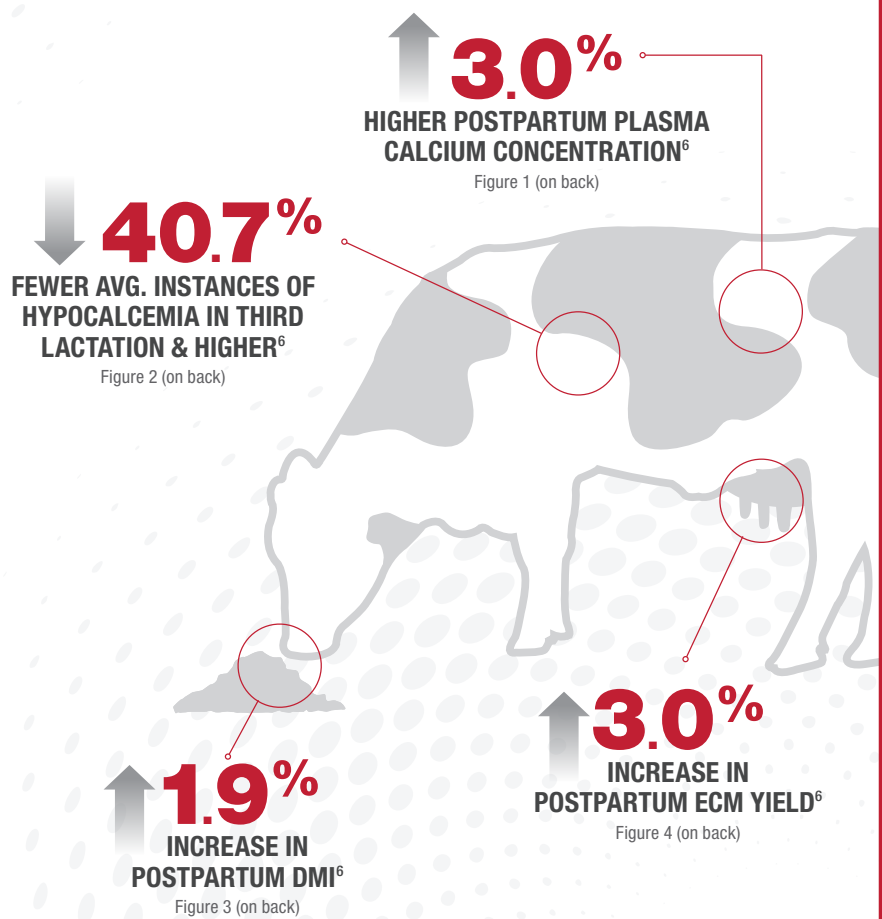


IMPACT OF A FULLY ACIDOGENIC VS. PARTIALLY ACIDOGENIC DIET

A STUDY FROM CORNELL UNIVERSITY evaluated the effects of decreasing DCAD — using Animate[®] nutritional specialty product in the prepartum diet — on urine pH, postpartum calcium concentration, dry matter intake (DMI) and milk production.

Multiparous Holstein cows were randomly assigned to one of three prepartum diets: no added anions (control), partial supplementation of anions (medium DCAD) and full supplementation of anions (low DCAD).

The greatest improvements in calcium status and performance were seen in cows fed a fully acidogenic diet with Animate.*



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*Results may vary.

¹ Chapinal et al. 2012. J. Dairy Sci. 95:1301.

² Chapinal et al. 2011. J. Dairy Sci. 94:4897.

³ Martinez et al. 2012. J. Dairy Sci. 95:7158

⁴ Roberts et al. 2012. J. Dairy ci. 95:3057.

⁵ Reinhardt et al., 2011. Vet J. Vol. 188. 122-124

⁶ Leno et al. 2017. J. Dairy Sci. 100:4604.



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Figure 1
POSTPARTUM PLASMA CALCIUM LEVELS
ALL COWS

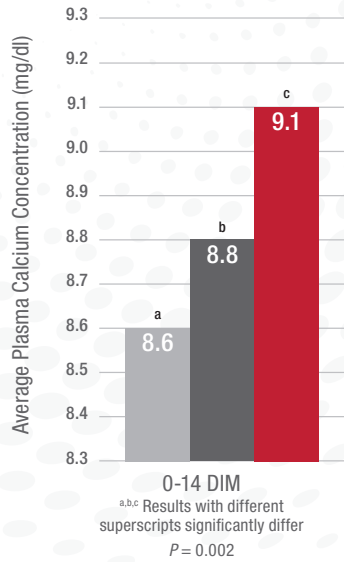


Figure 2
PREVALENCE OF SUBCLINICAL HYPOCALCEMIA[†]
3+ LACTATION COWS

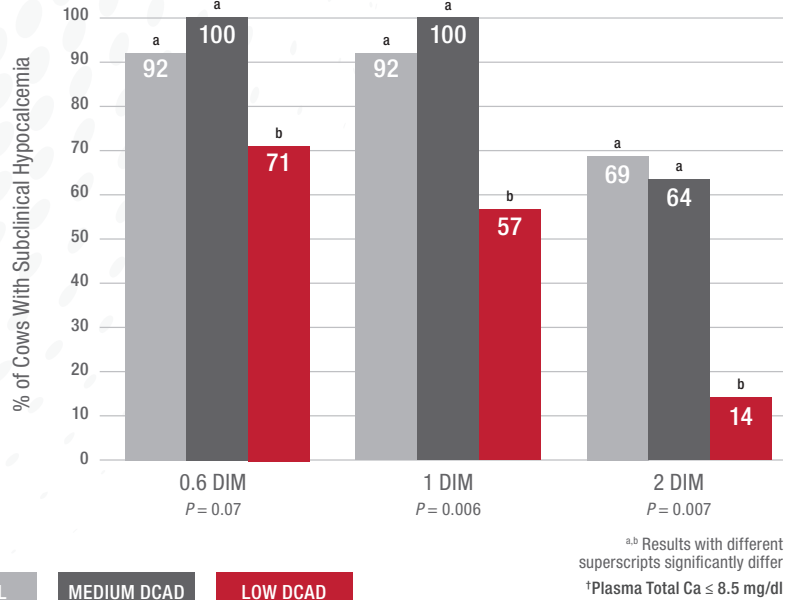


Figure 3
DRY MATTER INTAKE
ALL COWS

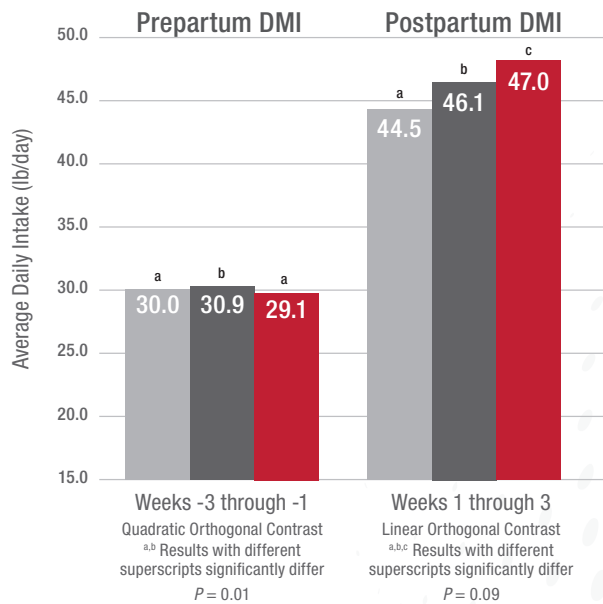
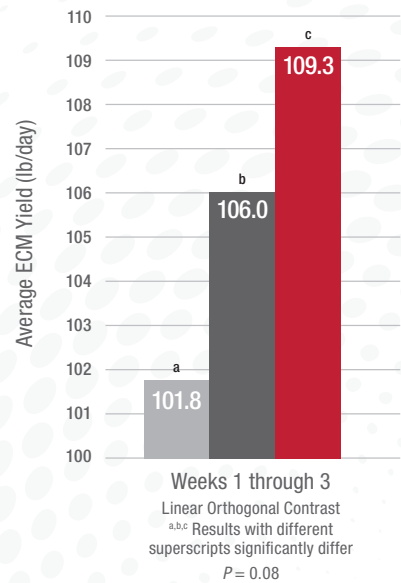


Figure 4
POSTPARTUM ECM YIELD
ALL COWS



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