

# ANIMATE® NUTRITIONAL SPECIALTY PRODUCT HELPS SUPPORT REPRODUCTIVE PERFORMANCE

Transition cows are prone to inflammation, hypocalcemia and metabolic disorders<sup>1</sup>, which can lead to lower chances of getting pregnant and long-term consequences on the health and productivity of the cow — **making your operation and bottom line vulnerable.**

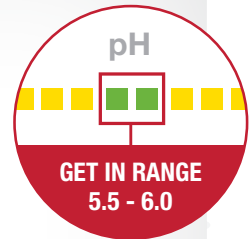


**EACH DAY OPEN COSTS \$2-\$6 PER COW, PER DAY<sup>2</sup>**

## HOW A FULLY ACIDOGENIC DIET CAN HELP IMPROVE PROFITABILITY



**A STUDY BY THE UNIVERSITY OF ILLINOIS** demonstrated that **feeding a fully acidogenic prepartum diet (urine pH from 5.5 to 6.0) utilizing Animate® nutritional specialty product as the sole source of anions resulted in improved outcomes** compared to a non acidogenic diet (CON). The study also found that a negative DCAD diet with high dietary calcium (NDCA) lead to more positive outcomes than a negative DCAD diet with low dietary calcium (ND).



**1.8**  
↓  
**FEWER DAYS TO FIRST OVULATION<sup>3</sup>**  
ND NDCA AVG vs CON  
Figure 1 (on back)



**4.5x**  
↑  
**GREATER LIKELIHOOD OF BECOMING PREGNANT AT FIRST AI<sup>3</sup>**  
NDCA vs CON  
Figure 2 (on back)

**IMPROVED UTERINE HEALTH**

**IMPROVED IMMUNE FUNCTION CAN LEAD TO LESS UTERINE INFLAMMATION FOLLOWING CALVING**

**12.4%** ↑ **16.9%**  
ND NDCA AVG vs CON      NDCA vs ND  
**INCREASED HEIGHT OF UTERINE EPITHELIAL CELLS<sup>3</sup>**  
Figure 3 (on back)



**41.3%** ↓ **27.3%**  
ND NDCA AVG vs CON      NDCA vs ND  
**LOWER POSTPARTUM HAPTOGLOBIN CONCENTRATIONS<sup>3</sup>**  
Figure 4 (on back)

**LEAD WITH THE TRUSTED DCAD PROGRAM**  
See the benefits of the Animate targeted DCAD program.  
[PAHC.com/Animate](http://PAHC.com/Animate) | 217.257.8116

**Animate®**  
**DCAD DONE RIGHT™**

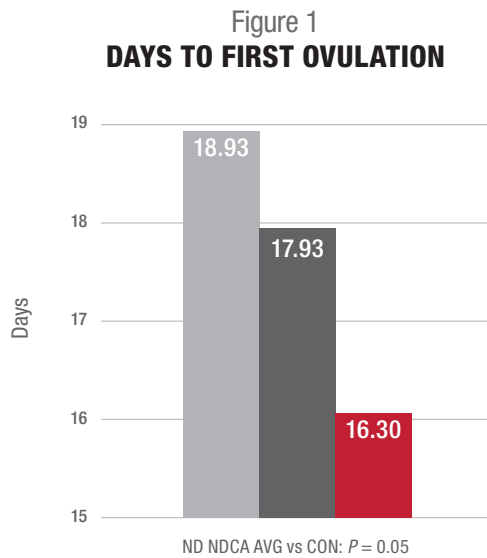
<sup>1</sup> Reinhardt et al., 2011. The Vet J. 188:122-124.

<sup>2</sup> Dairy Cattle Reproduction Council 2023. The Dollar Value of a Pregnancy. Available: <https://www.drcouncil.org/wp-content/uploads/2017/04/The-dollar-value-of-a-pregnancy.pdf>. Accessed Aug. 30, 2023.

<sup>3</sup> Ryan et al., 2020. Theriogenology 142:338-347.



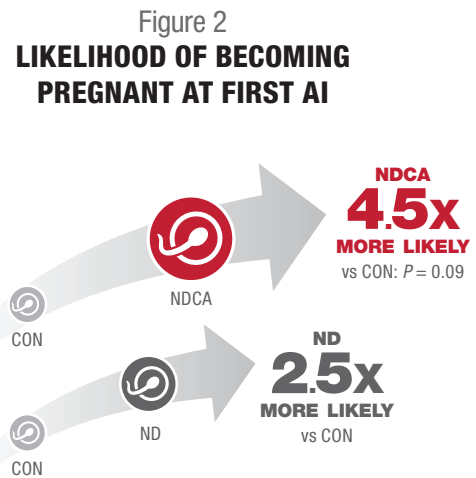
# HOW A FULLY ACIDOGENIC, HIGH CALCIUM DIET CAN HELP SUPPORT REPRODUCTIVE PERFORMANCE



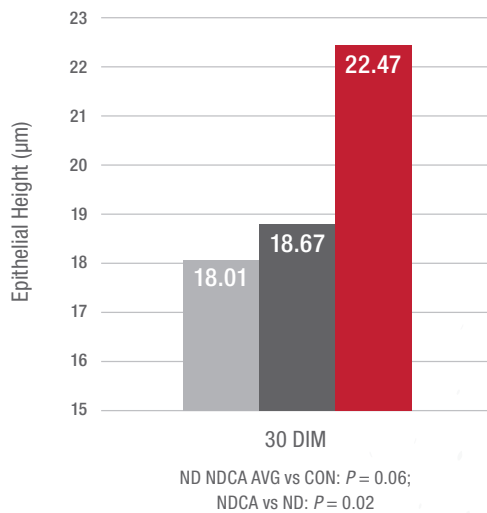
POSITIVE DCAD LOW CALCIUM (CON)

NEGATIVE DCAD LOW CALCIUM (ND)

NEGATIVE DCAD HIGH CALCIUM (NDCA)



**Figure 3**  
**HEIGHT OF UTERINE EPITHELIAL CELLS**

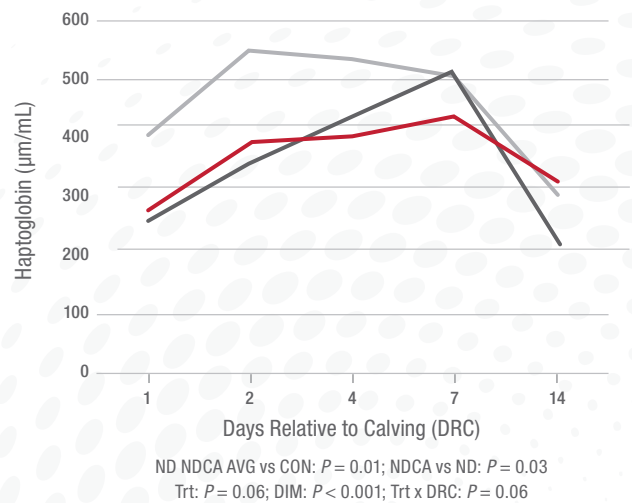


POSITIVE DCAD LOW CALCIUM (CON)

NEGATIVE DCAD LOW CALCIUM (ND)

NEGATIVE DCAD HIGH CALCIUM (NDCA)

**Figure 4**  
**UTERINE INFLAMMATION FOLLOWING CALVING BASED ON POSTPARTUM HAPTOGLOBIN CONCENTRATIONS**



POSITIVE DCAD LOW CALCIUM (CON)

NEGATIVE DCAD LOW CALCIUM (ND)

NEGATIVE DCAD HIGH CALCIUM (NDCA)



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