



66 SCIENTISTS SAY

Choline is a Required Nutrient for Optimizing Milk Production

Even in very high-producing cows, we saw a milk response of approximately 2,3 kg/cow/day after supplementation.
-Dr. Heather White, Tri-State Dairy Nutrition Conference, 2023



In dairy cattle, choline is recognized by scientists as a required nutrient for a successful lactation, which must first begin with a healthy transition period. Central to a healthy transition period is the ability of the liver to make enough glucose to support milk production. When nutrition and metabolism cannot keep up with the demands of milk production, cows fail to reach their genetic potential.

Over the past 25 years, research has shown an average of approximately 2,3 kg/cow/day increase in milk production when diets are supplemented with ReaShure[®] *Precision Release Choline* during late gestation and early lactation.

Three recent peer-reviewed studies demonstrated a milk response ranging from 2,1 kg/cow/day to 3,4 kg/cow/day when cows were supplemented with rumen-protected choline. The milk production responses were seen in very high-producing cows, regardless of health status or body condition score.





Balchem manufactures two versions of their rumen-protected choline product. ReaShure and a more concentrated form called ReaShure-XC. Both are designed to provide approximately 13 g/d choline ion when fed at the recommended feeding levels (ReaShure = 60/g/h/d, ReaShure-XC = 30 g/h/d). One or both of these products were used in the following trials.





This new science changes everything we thought we knew about choline's impact on the cow and her calf. ReaShure® *Precision Release Choline* is the original and most researched rumen-protected choline source, so you can be sure you're getting the benefits you expect. Trust ReaShure and Balchem to impact her for generations. **Visit Balchem.com/ReaShure-XC to learn more.**



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