

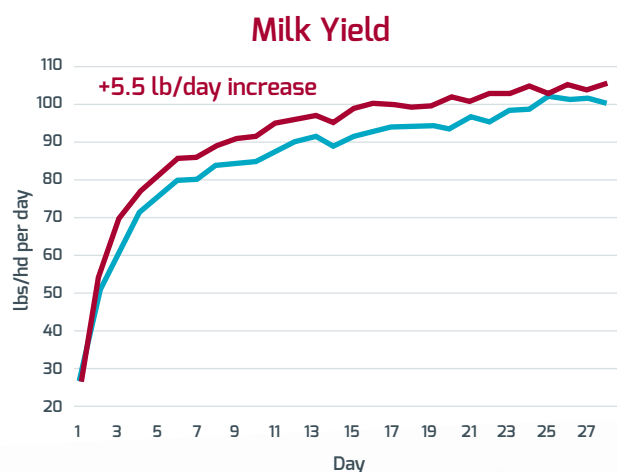
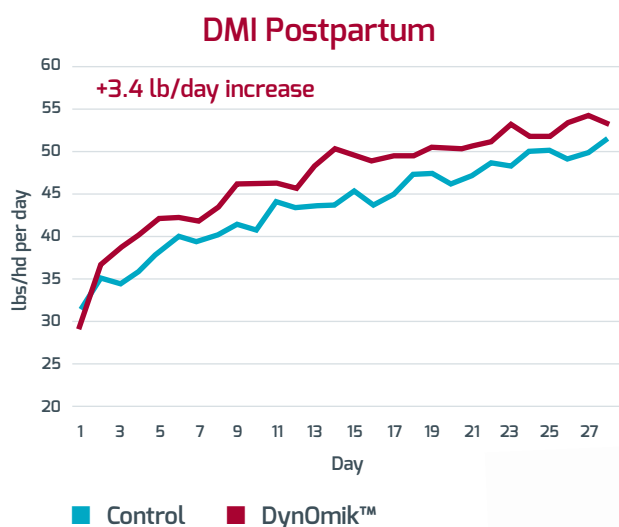
DynOmik™ increases dry matter intake and milk yield

Supporting dairy cows as they transition from the dry period into lactation is crucial for their overall health and development. In recent years, researchers have focused on this transitional phase with studies demonstrating that improving dry matter intake (DMI) significantly enhances the success of herds, particularly in achieving a positive energy balance during the critical weeks following calving.

DynOmik, a feed additive derived from cashew nutshell extract (CNSE), plays a pivotal role in enhancing DMI in transition cows and supporting them during the initial stages of lactation through various modes of action.

CNSE is the natural oil derived from cashew nutshells. When obtained through a cold extraction process, CNSE is enriched with concentrated levels of a specific phenolic compound called anacardic acid. Anacardic acid improves rumen fermentation, has antimicrobial properties, and influences the production of volatile fatty acids in the rumen.

Improvements in rumen fermentation and the positive impact on antimicrobial properties enable the rumen of transition cows to more effectively adapt to a high-energy diet, utilize feed more efficiently, and subsequently drive DMI. Enhancing DMI offers many advantages to transition cows, including increased availability of metabolizable energy and protein, support for post-parturition recovery, reduced risk of metabolic diseases, and enhanced milk production. A study conducted by Goetz et al. in 2023 demonstrated that supplementing cows with DynOmik resulted in rapid increases in both DMI and milk yield.



In addition to the benefits associated with enhanced DMI, the consumption of anacardic acid by dairy cows influence rumen microbial function and subsequently alters the fermentation profile. Anacardic acid triggers a shift in the ruminal concentration of propionic and acetic acids. Propionic acid is essential in glucose production. Glucose is a building block in the production of lactose, and lactose drives milk production. When anacardic acid shifts the rumen microbial population to produce more propionic acid, more glucose and lactose are now available to support higher levels of milk production.

The benefits of DynOmik™ extend throughout the transition period, continuously supporting the energy demands of the cows throughout their lifecycle. Promoting DMI with DynOmik at 5g/hd/day will positively influence your herd and your bulk tank.

Contact your **Adisseo** representative to learn more!



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