



UNDERSTANDING RUMEN FUNCTION

During the transition and early lactation periods, cows cannot physically consume enough feed to meet their energy needs because of the major physiological and metabolic changes at calving. This makes nutrition management critical. Cows that maintain dry matter intake have:

- Improved energy status
- Improved reproductive function
- Improved milk production

ENGINEERED TO DELIVER RESULTS

Digestibility is absolutely critical to maximizing feed efficiency. Feeding Diamond V Original products is one of the most effective and cost-efficient ways to optimize rumen function and digestibility. Research has shown cows supplemented with Diamond V Original products during transition and in early lactation improved dry matter intake by 1.37 lb (0.62 kg) and milk production by 3.02 lb (1.37 kg), plus improved body reserves and cow health.

Transition and Early Lactation

CHANGE IN MILK YIELD AND DMI

Stage of Lactation	Difference in Milk Yield		Difference in DMI	
	lb/head/day (kg/head/day)	P-value	lb/head/day (kg/head/day)	P-value
Early	3.02 (1.37)	0.001	1.37 (0.62)	0.003

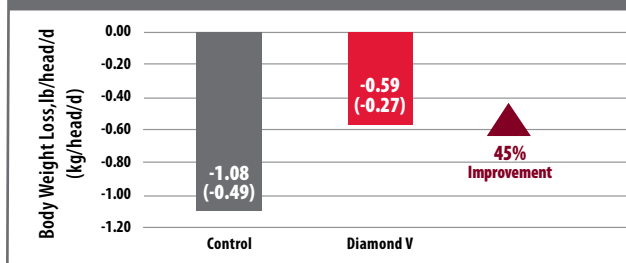
Poppy et al., 2012.

CHANGE IN MILK PRODUCTION

Item	lb/head/day (kg/head/day)	P-value
3.5% FCM	3.54 (1.61)	0.001
ECM	3.63 (1.65)	0.001
Fat Yield	0.13 (0.06)	0.009
Protein Yield	0.07 (0.03)	0.026

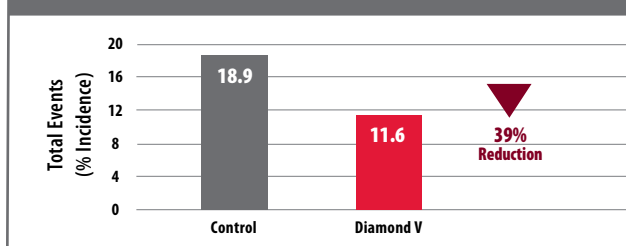
Poppy et al., 2012.

BODY RESERVES



Average of 5 Studies

COW HEALTH EVENTS



Diamond V Field Trial (2009, DA024-s).



PRODUCT BENEFITS:

All-natural and science-based, Diamond V's Original line of products help provide the critical nutritional support needed to improve rumen integrity and efficiency. Improved rumen function translates into healthy cows performing to their potential. Research has shown it supports:

- Dry Matter Intake and Digestibility
- Feed Efficiency
- Milk Production

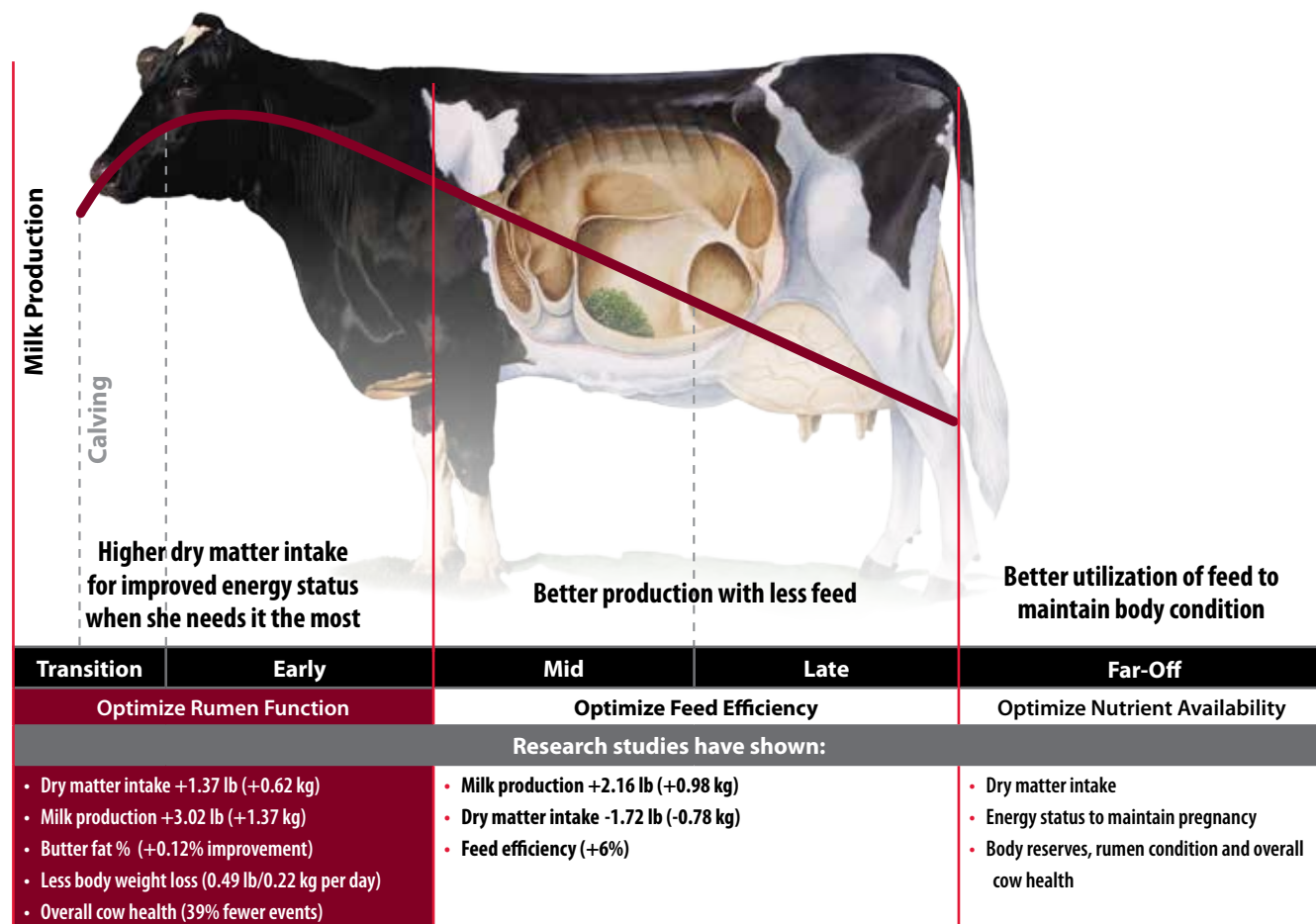
Optimize Rumen Function



EVERY COW BENEFITS, 365 DAYS A YEAR

Feeding Diamond V Original products can enhance cow performance throughout the lactation cycle. All-natural and science-based, Diamond V Original products

help provide the critical nutritional support needed to improve rumen integrity and fermentation efficiency. Improved rumen function translates into healthy cows performing to their potential.



DIAMOND V ORIGINAL PRODUCTS: ENGINEERED TO DELIVER RESULTS THROUGHOUT THE LACTATION CYCLE

If you would like more information, please contact your local Diamond V representative.

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