

Research Notes D-53

Arm & Hammer Animal Nutrition



CELMANAX Liquid in dairy calf milk replacers

HERD CHALLENGE

A field trial¹ was conducted at a private dairy in Torreon, Mexico, to examine the effects of CELMANAX™ Liquid when added to calf milk replacer fed to 30 newborn Holstein calves.

Treatments:

- 15 calves/treatment were fed milk replacer twice per day as below:
 - Control group – milk replacer supplemented with a leading brand of live yeast and yeast cell wall
 - CELMANAX group – milk replacer supplemented with CELMANAX Liquid (5 ml/calf/day)

Measurements:

- 60-day treatment period (November and December 2007)
- Body weights and measurements recorded on days 1 and 60
- Feed consumption and medical costs tracked for both groups
- Data not statistically analyzed

IMPROVED WEIGHT GAIN AND FEED EFFICIENCY

- Calves on CELMANAX gained 18.7 lbs. more weight during the test period
- CELMANAX group had better feed efficiency as a result of improved weight gain

TABLE 1		Results	
Parameters	Control	CELMANAX	
Beginning Weight, lbs.	80.25	78.04	
Ending Weight, lbs.	113.10	129.63	
Weight Gain, lbs.	32.85	51.59	
Mortality, (%)	0.00	0.00	
Milk Replacer Consumed (lbs./calf)	48.60	43.21	
Dry Feed Consumed (lbs./calf)	73.85	87.96	
Feed/Gain	2.25	1.71	
Medical Costs, (\$/calf)	6.33	3.54	

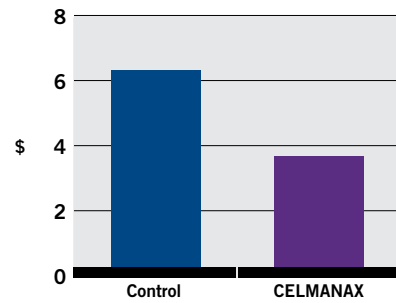
REDUCED MEDICAL COSTS

- Lower rates of sickness and mortality led to lower medical and veterinarian costs for calves on CELMANAX™

CONCLUSION

Adding CELMANAX Liquid provided a significant benefit by improving weight gain, feed/gain and reducing medical costs.

FIGURE 1: Medical Cost \$/Calf



Animal Nutrition



¹ Adapted from field trial data: Liquid CELMANAX, conducted November – December 2007, in collaboration with Celtic Holland, Torreon, Mexico.

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