

# Research Notes D-51

Arm & Hammer Animal Nutrition



## CELMANAX Liquid in dairy calf milk replacers

### HERD CHALLENGE

A field trial<sup>1</sup> was conducted at a private dairy in Mexico to test the effect of CELMANAX™ Liquid when added to calf milk replacer fed to newborn calves.

Treatments:

- 50 calves/treatment were fed milk replacer twice per day as below:
  - Control group -Milk replacer only
  - CELMANAX group- Milk replacer plus CELMANAX Liquid (8 ml/calf/day)

Measurements:

- 60-day treatment period (August and September 2006)
- Body weights and mortality recorded on days 1 and 60
- Feed consumption and medical costs tracked for both groups
- Data was not analyzed statistically

### IMPROVED WEIGHT GAIN AND FEED EFFICIENCY

- Calves on CELMANAX gained 9.5 lbs. more weight during the test period
- CELMANAX group had better feed efficiency as a result of improved weight gain

TABLE 1	Results	
Parameter	Control	CELMANAX
Beginning Weight, lbs.	78.71	76.94
Ending Weight, lbs.	134.26	141.98
Weight Gain, lbs.	55.56	65.04
Mortality, (%)	4.00	0.00
Milk Replacer Consumed (lbs./calf)	49.60	43.21
Dry Feed Consumed (lbs./calf)	106.70	107.37
Feed/Gain	1.92	1.65
Medical Costs, (\$/calf)	4.96	3.18

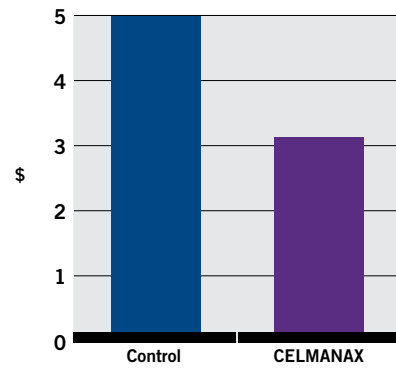
## REDUCED MEDICAL COSTS

- 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**



<sup>1</sup> Adapted from field trial data: Liquid CELMANAX, conducted August – September 2006, in collaboration with Celtic Holland, Torreon, Mexico.

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