

Research Notes D-71

Arm & Hammer Animal Nutrition



The effect of CELMANAX SCP in dairy calves

STUDY OVERVIEW

- This study¹ was conducted to evaluate the effect of supplementing medicated milk replacer with CELMANAX™ SCP on dairy calf performance
- The study included 25 calves per treatment, starting at 1 day old, and lasted 12 weeks
- The two diets are outlined below:

	Calves, n	Weeks 1 – 6	Weeks 7 – 12
Control	25	Milk replacer	Starter diet
Treatment	25	Milk replacer plus 2 g/h/d CELMANAX SCP	Starter diet plus 8 g/h/d CELMANAX SCP

- Weight gain, feed efficiency, scouring and mortality were recorded at the end of weeks 6 and 12

RESULTS

- Calves on CELMANAX SCP were 3.9 and 2.7 lbs. heavier than the controls at the end of weeks 6 and 12, respectively (Table 1), but results were not statistically significant
- CELMANAX SCP did not affect the number of scouring calves, but did reduce scour days compared to control (Table 2); results were not statistically significant
- Mortality was not affected by treatment; results were not statistically significant

TABLE 1		
PERIOD	CONTROL	CELMANAX SCP
6-Week Gain, lb	52.04	55.90 (3.9↑)
6-Week ADG, lb	1.24	1.33
7 – 12 Week Gain, lb	123.25	122.10
7 – 12 Week ADG, lb	2.93	2.91
12-Week Total Gain, lb	175.29	178.00 (2.7↑)
12-Week ADG, lb	2.09	2.12

TABLE 2

PARAMETER	CONTROL	CELMANAX SCP
Number of Calves	24.00	23.00
Scour Days Total	114.00	97.00
Treatment Days Total	40.00	40.00
Deaths (Total)	1.00	2.00

CONCLUSION

- Calves supplemented with CELMANAX™ SCP showed numerical improvement in weight gain and fewer scour days



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1 Adapted from the data of: Dr. Rodney J. Dennis, Kent Nutrition Group Product Development Center, Muscatine, Iowa.

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