

RESEARCH SUMMARY

Effects of Cel-Max™ on Performance Study

At the Mapleview Agri Future Performance Research Centre, a study was conducted to evaluate the effects of Cel-Max™, a scientifically proven prebiotic, on calf performance. This trial was set up to compare the performance of calves fed a milk replacer with Cel-Max™ to those fed a milk replacer without it.

Cel-Max™ is designed to support intestinal health by binding to gut bacteria and enhancing the calf's ability to resist common challenges. By improving gut health, Cel-Max™ has the potential to positively impact growth, feed efficiency, and overall resilience in young calves.

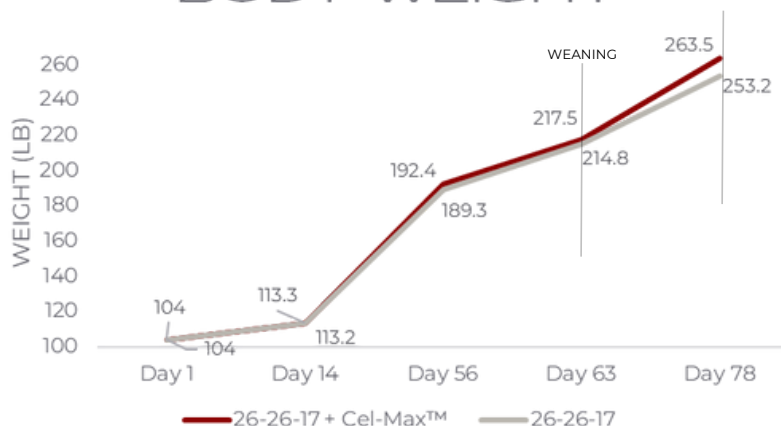
METHODOLOGY

The trial was conducted over 78 days at the Mapleview Agri Future Performance Research Centre, involving 240 calves divided into two groups: 120 test calves fed a 26-26-17 milk replacer with Cel-Max™ and 120 control calves fed the same formula of 26-26-17 milk replacer, without Celmax™. Body weights were recorded at key intervals, including on arrival, day 14, at weaning (day 56), post-weaning (day 63), and at the end of the trial (Day 78).

This comprehensive approach allowed for a detailed analysis of growth and performance during both the pre- and post-weaning periods.

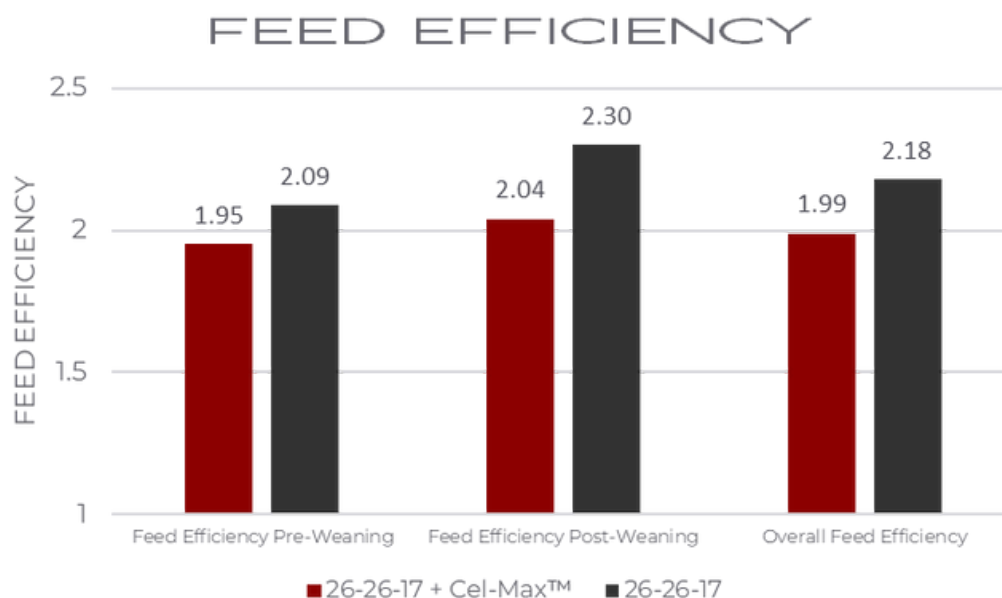
DAILY MILK REPLACER FEEDING RATE	<u>DAY 0-20</u>	<u>DAY 21-27</u>	<u>DAY 28-41</u>	<u>DAY 42-48</u>	<u>DAY 49-63</u>
	520g-4L	780g-6L	1040g-8L	520g-4L	390g-3L

BODY WEIGHT



	<u>26-26-17 + CEL-MAX™</u>	<u>26-26-17</u>
Arrival Weight (lb)	104.62	104.61
Departure Weight (lb)	263.54	253.22
Average Daily Gain (lb)	2.03	1.90

FEED EFFICIENCY		
	<u>26-26-17 + CEL-MAX™</u>	<u>26-26-17</u>
Grain Consumed Pre-Wean (lb)	88.92	95.03
Grain Consumed Post-Wean (lb)	145.11	147.28
Grain Consumed During Whole Growing Period (lb)	234.03	242.31
Milk Replacer Consumed (kg)	37.67	37.67
Feed Efficiency Pre-Weaning	1.95	2.09
Feed Efficiency Post-Weaning	2.04	2.30
Overall Feed Efficiency	1.99	2.18



TRIAL CONCLUSION

The study demonstrates that including Cel-Max™ in the milk replacer in the pre-weaning period can promote calf performance. Calves fed Cel-Max™ exhibited better feed efficiency, with a notable 11 lb gain advantage over 78 days, and required less feed per pound of gain. These improvements translate into a lower cost per pound of gain, making Cel-Max™ a cost-effective solution for enhancing calf growth and performance.

KEY TAKEAWAYS

Improved growth: Calves fed Cel-Max™ gained 11 lb more over 78 days compared to the control group.

Enhanced feed efficiency: Cel-Max™ reduced feed requirements by 9% per pound of gain.

Cost-effective performance: Feeding Cel-Max™ reduced the cost per pound of gain, exhibiting a substantial return on investment.

Optimal feeding strategy: Administering Cel-Max™ during the first 56 days supports better overall calf health and growth outcomes.