MYLO®

MICROBIAL LIVESTOCK FEED SUPPLEMENT

Mylo® for healthier and heavier lambs

Mylo® is liquid live microbial livestock feed supplement to aid in the digestive health of livestock.

- ✓ **Increased livestock weight gain**
- ✓ **University study - Calves:**
  - **8.4% higher weaning weight**
  - **More consistent daily gains**
- ✓ **Improved health of livestock**
- ✓ **Commercial benefits – sheep & cattle:**
  - **Earlier weaning or turnout**
  - **Easier herd management**
  - **Easy to feed liquid**
  - **No withholding period**

LAMB FEEDLOT TRIAL

Chris Gilbertson, Murtonga Farm , Millicent, South Australia

Mylo, a microbial livestock feed supplement, was trialled in a commercial lamb feedlot aiming to measure the effect of feeding Mylo on a key performance measure – the turnout rate of lambs over 60 kg live weight.

The trial was undertaken with lambs (approximately 9 months old) in a feedlot environment. All lambs in the trial were born on the grazing property of Chris Gilbertson, Millicent. A total of 960 lambs with average live weight of 48.5kg (after a feeding curfew), were taken off pasture and transferred to the feedlot. The trial lasted 33 days.

The lambs were assigned into three separate trial groups, which were penned separately in adjacent pens:

- **Pen #3:** 320 lambs (control group) were not supplemented with Mylo;
- **Pen #4:** 320 lambs were supplemented with an estimated 5 mL Mylo per head per day; and
- **Pen #5:** 320 lambs were supplemented with an estimated 10 mL Mylo per head per day.

All lambs were fed the same ration of barley, beans and silage or hay.

An amount of Mylo was mixed into the water troughs for the two 'Mylo groups' (pens #4 and #5) each morning, directly after cleaning and refilling troughs with fresh water.

The amount added to the water provided an expected average intake rate of Mylo for the lambs. 1.6 litre of Mylo was added each day to the trough in Pen #4, and 3.2 litres to the trough of Pen #5.

At the end of 33 days on feed, individual lamb live weights were taken and data was analysed to compare the groups, including the number reaching at least the target of 60kg live weight.

Results and Comments

Across both Mylo groups 45% of the lambs (287 head from total 640 head) reached a live weight of 60 kg or more by the end of the 33 day trial period. In the control group 31% of the lambs (100 head from total 320 head) weighed 60 kg or more by the end of the 33 day trial period. On this performance indicator both Mylo groups were significantly different from the control group but there was not a significant difference between the 5mL and 10mL Mylo groups.

The results of this commercial farm trial are consistent with a controlled study conducted by University of Queensland, an independent research institution, which demonstrated that supplementary feeding of Mylo to young livestock (pre-weaning calves) resulted in 8.4% higher weaning live weights and more consistent daily gains over the 56 day study period.

Estimated Economic Benefit

	Live Weight Data at 33 days of feeding				Estimated Economic Benefit *			
Group	Total Lambs	Average Final Live Weight	Lambs at 60+ kg Live Weight	Difference in Live Weight Mylo- Ctrl	Income Difference Mylo- Ctrl	Cost of Mylo for 33 Days	Incremental $ Gain	$ Gain Per 1000 Head
	(No.)	(kg LW)	(No., %)	(Kg LW)	($/Head)	($/Head)	($/Head)	($)
Control	320	57.3	100, 31%	--				
Mylo 10mL/ day	320	58.8	132, 41%	1.53 (46 g/day)	$5.59	$4.13	$1.46	$1,460

*Based on: 4 Score Lambs, 47% Dressing %; Sale at $7.80/kg Dressed Weight. Price subject to change.

Liveweight gains were approx. 1.4kg at approx. $4 per kg, or 0.8kg dressed weight at approx. $7.80 per kg.

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