

Research Results prove Si-Lac® Benefits

Massey University

A trial carried out by Massey University in New Zealand has proven the benefits of using Si-Lac treated silage under controlled conditions.

The trial compared untreated grass silage, grass silage treated with standard freeze dried inoculant and grass silage treated with Si-Lac.

The trial examined temperature drop in the silage and feed efficiency.

Trial results indicated that Si-Lac treatments substantially outperformed the alternatives.

Temperature Drop:

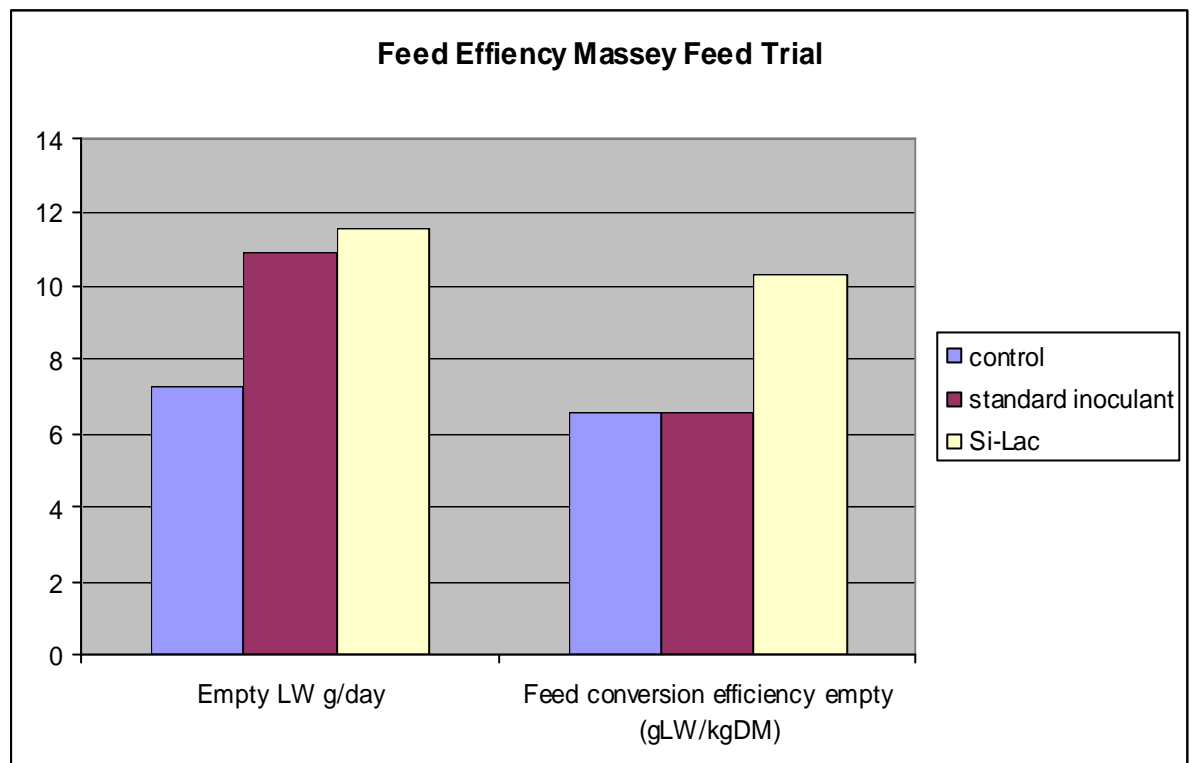
The Si-Lac treated silage was approx **20% cooler** than the untreated silage.

The Si-Lac treated silage was approx **16% cooler** than the conventional inoculant treated silage.

The untreated material and the conventional inoculant treated material took **10 days to reach the same temperature as the Si-Lac treatment.**

Feed Conversion Efficiency:

A highlight of the trial was that feed conversion efficiency **improved by 56%** over the control and standard inoculant. When this result is applied to a real world situation this would translate to more lamb and higher profits.



Other Independent Research

Growth Comparison*

	Lambs Group A Si-Lac treated Bales	Lambs Group B Untreated Bales
Lamb average Wt	35.225Kg	35.500 Kg
Lamb Group Wt – start	281.8Kg	284Kg
Feed Consumed	160.95Kg	161.2Kg
Lamb Group Wt – finish	297.2Kg	292.2Kg
Total Group gain	15.4Kg	8.2Kg
Per lamb gain	1.925Kg	1.025Kg
Growth rate per day	175gm/day	93gm/day

Si-Lac treated forage showed an 88% productivity advantage over the untreated forage

The trial demonstrates that Si-Lac treated forage influenced the nutritional value of very good silage during ensiling and had a significant effect on the animal performance

Conclusions:

“In my opinion the trial was carried out in an unbiased / independent fashion, allowing for credible data.

The lambs were kept in good healthy condition and fully add-lib fed the two type of silage in the individual mobs. Clean fresh water was always present.

One major observation that I noticed was the different colour between the two bales on opening. The treated bale had definitely maintained its ‘grass-like’ appearance indicating a rapid transformation from fresh grass to ensiled material. There was also the same characteristic non-smell!

In contrast the untreated bale has a very strong chocolate/tobacco smell and visually was an off brown colour in contrast to the treated bales.”

Gordon Platfoot—Dairy Management Consultant

Si-Lac

Si-Lac Extra

**The only commercially available bacterial silage inoculants
delivering live fresh bacteria to your silage.**

Sil-Lac® is a registered trademark of Grevillia Ag.