

RumenWorks Sheep Full Feed Additive Pellet with Probiotic

- ▶ **Multifaceted approach to reducing the risks and effects of acidosis**
- ▶ **May reduce the risk of coccidiosis in weaners**
- ▶ **Provides a balanced nutritional profile to assist lambs to achieve their genetic potential**

The RumenWorks Sheep Full Feed Additive Pellet with Probiotic has been designed to help minimise the risk of grain poisoning when feeding cereal grain to sheep

Feeding any cereal grain to sheep will cause an increase in the production of lactic acid within the rumen. This lactic acid is the cause of "grain poisoning". The production of lactic acid at best, has a negative impact on the animal's efficiency, and at worst will cause death.

Reducing the impact that this lactic acid has on the animal will improve the production outcome. The RumenWorks Nutrition Sheep Full Feed Additive Pellet with Probiotic has been designed to help manage the risks that lactic acid poses.

One of the best ways to minimize the risk of lactic acid is to neutralise it after it has been produced. This neutralizing effect is known as buffering. Many naturally occurring compounds can be used to "buffer" this acid.

The RumenWorks Sheep Full Feed Additive Pellet with Probiotic contains a complex of several compounds which all have different buffering characteristics. This complex of compounds allows for a broader spectrum of buffering.

The RumenWorks Nutrition Sheep Full Feed Additive Pellet with Probiotic also contains Bovatec™ (Lasalocid Sodium), which is a compound that is classed as a rumen modifier. Bovatec™ improves performance by enhancing the activity of the beneficial rumen microflora. This modification of ruminal microflora activity decreases the production of lactic acid.

May Reduce the Risk of Coccidiosis

The Lasalocid sodium Bovatec™ also provides a level of protection against *Coccidiosis*. *Coccidiosis* is a disease that commonly presents itself during the weaning process. The RumenWorks Sheep Full Feed Additive Pellet with Probiotic is suitable to feed to lambs to help to reduce the risk of *Coccidiosis*.

Balanced Nutritional Profile

When feeding lambs in a feedlot situation it is critical to have the diet formulated in a balanced manner. RumenWorks Full Feed Sheep Pellet includes all the essential macro and micro minerals required to help balance the ration to maximise feed efficiency and growth rates.

How to Feed:

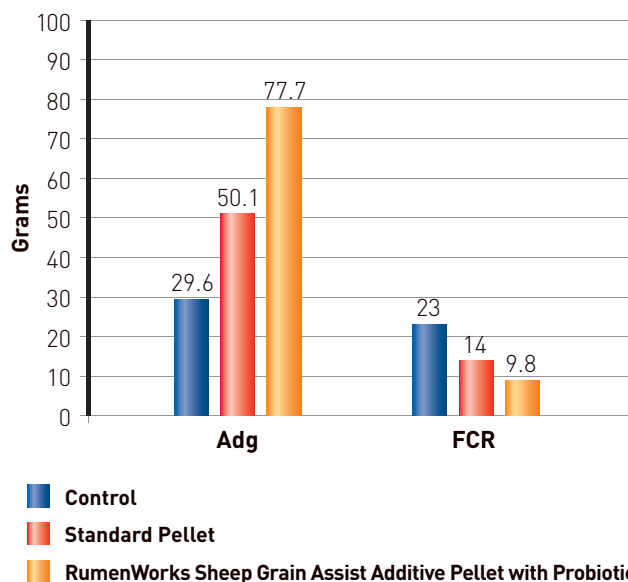
The pellet is designed to be included into cereal grain diets at a rate of 4% or 40kgs per tonne of total mixed feed. (2 Bags)

Nil WHP.

Vista Cell Patented Probiotic:

Vista Cell marketed exclusively by RumenWorks Nutrition Pty Ltd in Australia is a unique patented Strain of *Sacchromedes Crevasiae*. This is the only sheep grain assist product on the market to include a Probiotic which brings you the benefits of improved daily weight gain and improved feed conversion rates through more efficient rumen function.

A study completed in November 2016 at the University of New England (Armidale) highlights the unique benefits of the RumenWorks Sheep Grain Assist Pellet with Probiotic with the patented Vista Cell Probiotic.



The Bottom Line the RumenWorks

Sheep Grain Assist Additive Pellet with Probiotic:

- ▶ **262% Increase in Average Daily Gain**
- ▶ **42.6% Less Feed to Produce the Same Amount of Lamb**

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RumenWorks
NUTRITION

RumenWorks Sheep Full Feed Additive Pellet with Probiotic

**Independent Trial Using
RumenWorks Full Feed Grain Additive Pellet:
Commenced 10.7.2017**

An independent trial was conducted at the Protein Plus Pty Ltd Feed lot at Attunga Northern NSW where 2 groups of 288 lambs were fed a ration of wheat lupins and the RumenWorks Full Feed Grain Additive Pellet. Sheep were inducted for 12 days with the trial running for 42 days, there was zero roughage fed through the feeding period.

**Breed 1st & 2nd Cross Mix Sex
Age 4 to 8 Months**

The trial commenced on the 10.7.2017, with very trying weather conditions, 150ml fell during this period, which the operator believed had a negative impact on the results overall.

The Results are as follows:

Trial Results:	RumenWorks Full Feed Pellet	Competitor Group
Sheep Buy in Price	\$121.14	\$121.14
Feed Conversion Rate	4.2:1	4.4:1
Growth Rate	314 grams/hd/day	328grams/hd/day
A. Feed Value Consumed per head	\$16.86	\$19.32
Difference		14.59% Higher Feed Cost
Dressed Weights	24.4kgs	24.7kgs
B. Sale Price @ \$6.50	\$166.60	\$168.55
Mortalities	5	10
C. Return per head after Factoring Cost of Mortalities	\$160.81	\$156.84
D. Net Return C-A	\$143.95	\$137.52
Difference	\$6.43	

Basic Analysis	As Fed
Crude Protein %	4.08
DE MJ/kg	2.89
Drymatter %	90.04
ME MJ/kg	4.63
Vitamin A Kiu	3.03
Vitamin D3 Kiu	0.48
Vitamin E iu	5.76

Macro Minerals	As Fed
Ca %	11.55
P %	0.06
Mg %	2.92
Na %	5.44
S %	0.17
K %	8.97
Cl%	9.70

Trace Minerals	As Fed
ppm Fe	13.78
ppm Zn	84.88
ppm Cu	15.51
ppm Mn	633.31
ppm Se	0.09
ppm Co	4.90
ppm I	17.96
Lasalocid mg/kg	687.60

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