


# RumenWorks Dairy Heifer Management

- ▶ Improved Feed Conversion
- ▶ Improved Weight Gains
- ▶ Increased Return on Investment
- ▶ Soil Type Specific
- ▶ Scientifically Balanced Energy
- ▶ Essential Nutrients
- ▶ Optional Biotin for Hoof Health
- ▶ Optional  to assist managing bloat

From weaning to joining is often a difficult time for the developing heifer. To allow her to achieve a joining weight at 14-16 months there are often times when pastures will not provide the nutritional requirements of the developing heifer.

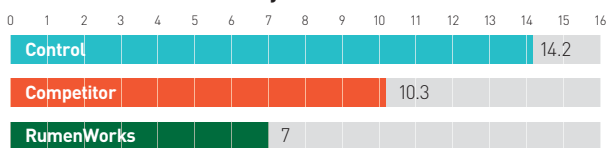
In many cases energy and protein will need to be provided and this can be provided in the form of grain hay or silage. But in any diet we require a balance of energy, protein, mineral and vitamins. This is where Rumenworks Pasture Management products can be very helpful to achieve the joining weights we require in the heifers.

### Improved Feed Conversion

The single biggest contributor to dairy and beef profitability is increasing the feed conversion rates on pasture.

### The following independent trial highlights the effectiveness of RumenWorks Green Feed Lick.

#### Calculated Feed Efficiency:



Kilos Consumed to Gain 1kg of Liveweight

#### Trial Conducted by Formula One 2015

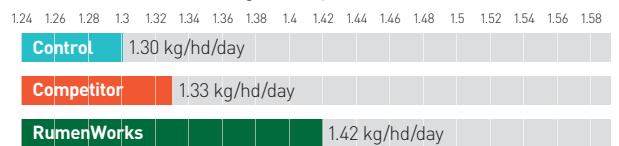
Conclusion - By using RumenWorks Green Feed Lick it took 7kg of grazing oats pasture to produce 1kg of weight. Comparatively, cattle on no supplementation took 14kg of grazing oats to produce 1kg weight.

Other trials conducted with cattle on green, native pasture, supplemented with RumenWorks Green Feed Lick, showed an increase of 10 days extra grazing per paddock over a 30 day period.

### Improved Weight Gains

Independent trials conducted in 2015 showed an average improvement in weight gain of 9%. Over a 38 day period this equated to an extra \$13.68 per head return.

#### Average Daily Gain: (kg/hd/day)



#### Results:

Date	Control	Competitor	RW Green
15/05/2015	157.70kg	157.75kg	158.75kg
08/06/2015	191.20kg	191.32kg	196.20kg
22/06/2015	207.15kg	208.30kg	212.75kg

#### Total Weight Gain and Average Weight Gain:

Treatment	Control	Competitor	RW Green
Total Weight Gain	49.45kg	50.55kg	54.00kg
Average Daily Weight Gain	1.30kg	1.33kg	1.42kg

(Trials Conducted independently by Formula Ag 2015. Estimated Livestock values \$3.00/Kg/LW)

**RumenWorks Nutrition Pty Ltd:**  
 3/150 Pacific Hwy Coffs Harbour 2450  
 T | 02 6651 1667  
 E | choffice@worksnutritiongroup.com.au  
 W | www.worksnutritiongroup.com.au

**Regional Sales Managers:**  
**Ross Gibson** | 0447 971 836  
**Ben Foster** | 0488 753 724 (Northern NSW)



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## Cost of Treatment-Return on Investment

As per the trial results above, the return on investment was an impressive 3 to 1. At a cost of 14 cents expenditure per day, cattle returned 36 cents in additional gains. This was based on cattle with a live weight range of 160 - 200kgs.

**Note.** The 100gram dose is designed for cattle with a live weight of 400kg, smaller cattle will tend to consume proportionally less product. Larger cattle at around 600kg may consume around 150g/day. Consumption can vary considerably up, and or down depending on the prevailing conditions.

## When to Supplement

Best results are achieved when cattle are started on the RumenWorks Green Feed Lick 5-7 days prior to introduction to fresh green paddocks. This is particularly critical if protection from Grass Tetany and control of Bloat is required.

## Hoof Health

Continuous supply of Biotin has been shown to improve hoof health in cattle, therefore reducing the incidence of lameness. Ref Bampidid (2006). RumenWorks Green Feed Lick provides the option of added biotin to help reduce the risk of Lameness.



## Which RumenWorks Green Feed Lick

Soil types play a large role in nutrient uptake within the plant and therefore the intake of the plant by the animal. RumenWorks Nutrition have specifically designed supplements to suit your own soil types, when grazing green feed, or planted fodder crops such as oats, winter wheat, rye grass, forage sorghum and lucerne.

### For Heavy Soils:

**RumenWorks Green Feed Lick Orange Label plus Rumensin**  
**RumenWorks Green Feed Lick Orange Label**  
**RumenWorks Green Feed Lick Orange Label plus Biotin**

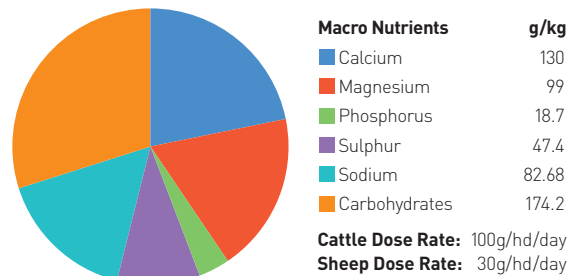
### For Lighter Soils:

**RumenWorks Green Feed Lick Blue Label plus Rumensin**  
**RumenWorks Green Feed Lick Blue Label**

### For Granite Soils:

**RumenWorks Green Feed Lick Purple Label**

## Typical Green Feed Loose Lick Macro Nutrients:



**RumenWorks Nutrition Pty Ltd:**  
3/150 Pacific Hwy Coffs Harbour 2450  
T | 02 6651 1667  
E | [choffice@worksnutritiongroup.com.au](mailto:choffice@worksnutritiongroup.com.au)  
W | [www.worksnutritiongroup.com.au](http://www.worksnutritiongroup.com.au)

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