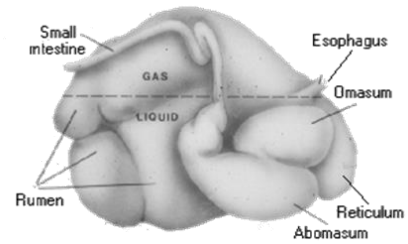


## Rumen Active Nutrient Stock Liquid Tonic

**RumenACT<sup>tm</sup>** Designed to support rumen function and to supplement diets where nutrient levels may be low, RumenACT<sup>tm</sup> contains a vast array of chelated Minerals, Amino Acids, Complex Carbohydrate energy and Reactive Soluble Carbon. RumenACT<sup>tm</sup> Liquid is used as a General Tonic and Supplement for stock where soluble Reactive Carbon can mitigate the effects of a poor Rumen pH or the impact of various moulds and pathogens that can be found in feed from time to time. Use as a General Tonic for improved health and productivity results.



### RumenACT SHEEP/BEEF

#### Recommended Dosage Rate (Drench 6X per annum)

- 20ml up to 25kg
- 10ml per 50kg thereafter
- 80ml Steer/Heifer/Cow
- 50ml Calf/Ram/Ewe
- 30ml Fat Lamb

#### Feed Water (or Direct Feed Mix)

RumenACT<sup>tm</sup> Liquid is used as a General Tonic and Supplement for stock where nutrient levels are low or where Soluble Reactive Carbon can mitigate the effects of a poor Rumen pH or the impact of various moulds and aflatoxins that can be found in feed from time to time.

- Drip Feed or Mix to Tank **20 litres per 100 head Cattle** per week
- Drip Feed or Mix to Tank **15 litres per 250 head Sheep** per week

(dilution required - see further information overleaf)

RumenACT <sup>tm</sup>	% w/v
Carbon Solution	35.0
Carbohydrates	12.5
Kelp Concentrates	3.0
AppleCider Vinegar	4.0
Vegetable Protein	1.125
Humic Acids*	2.8
Amino Acids**	1.25
Selenium***	0.005
B Group Vitamins	0.086
Nitrogen	1.2
Potassium	0.10
Magnesium	0.002
Traces of Manganese, Copper, Zinc, Boron, Molybdenum, Cobalt	
*Humic and Fulvic Acids	
**Amino Acid Lysine, Threonine and Kelp Sourced Amino Acid	
***Selenium as Sodium Selenite	
<b>Formulation Includes Kelp Alginate Proteins, B1, B2, B3 Group Vitamins and Sea Minerals</b>	



### RumenACT - DAIRY

**Health and Productivity Outcomes ARE Expected.**

**PUMPS ARE AVAILABLE THAT ARE EASY TO ADJUST 'Set & Forget' Simplicity**

#### Recommended Dosage Rate

- 4mls per Kilo Grain in Bail for Best Effect
- Minimum 20mls per Day
- Maximum 40mls per Day

**FTA's 'In Less that 30 Days' More Milk Money Guarantee!**

**RumenACT<sup>tm</sup> Delivers Better Health, Productivity and Profit.**



**RumenACT<sup>tm</sup> supports Microbial Nutrition to the Abomasum. Microbes are actually the Major Source of Nutrition for Ruminants!**

- **Apple Cider Vinegar** for Natural Strength and Herbivorous Vitality
- **Selenium** for Antioxidant Protection and Cellular Health
- **Humic and Fulvic Acids** for Cellular Efficiency and Toxin Buffering
- **Amino Acids** for Improved Nitrogen Synthesis and Protein Build



**RumenACT<sup>tm</sup>** contains high levels of correctly processed water soluble lignite carbon. The humic content (with additional fulvic acid) is a known support to rumen function and the highly reactive carbon acts as a prevention against toxic pasture reactions (such as excess nitrogen). Use RumenACT<sup>tm</sup> to prevent losses in stock condition, poor feed availability or feed errors causing generally poor stock health.

## Low Dose Soluble Reactive Carbon is Rumen Active

- Aids Overall Rumen Function
- Balances Gut Micro Flora and Optimal Rumen pH
- Aids Feed Conversion and Improves Stock Condition
- Multiple Buffering Features of Highly Reactive Water Soluble Carbon
  - Feed Quality Problems, Added Pasture Nitrogen, Toxins in Poor Pastures
  - Poor Water Quality – Acid/Alkaline pH
  - Undesirable Minerals found in Water (Arsenic, Lead, Mercury)

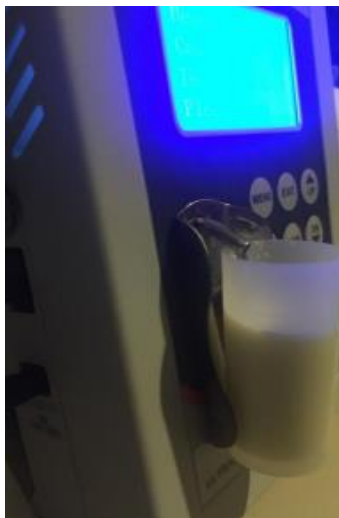
## Highly Cost Effective DAIRY, Pasture and Feed Lot General Health Tonic

- Improves and Holds Productivity for Longer. Milk Protein, Fat and Litres can all be improved.
- Promotes Calmer Animals and Supports a Better Health during Pregnancy and Lactation
- Aids Immune System, Fights against Infection and Reduces Milking/Feedlot Stress
- Provides Supplemental Nutrition when feed values are Low
- Improves Appetite During Hot Weather
- Lowers the Ammonium Smell in Dairy, Reduces Faecal Odour and Improves the Value of Composted Waste (Higher Organic Carbon – Dung Beetles love RumenACT Pats!)

## RumenACT™ is Easy to Use, Low Cost – and Automatic

- Customised Auto-Doser that is simple to connect inline with the feed auger – switching on/off

**The Most Cost Effective General Purpose Stock Tonic Available**



**RumenACT™**  
0.398c per ml.  
**Minimum 20mls**  
(1-5 Kgs Grain in Bail per Cow/p.Day)  
**Maximum 40mls**  
(8+ Kgs Grain in Bail per Cow/p.Day)

**X20mls = 7.96c Cow/p.Day**  
**X30mls = 11.94c Cow/p.Day**  
**X40mls = 15.92c Cow/p.Day**

FTA Supply a Powered 'Set & Forget'  
Inline Doser for all DAIRY Applications



## What about Water Systems supplying Stock across Several Troughs?

- Stock Water Consumption is proportional to the animals size so you can apply the Overall Average
- **For Static Systems Dose the Holding Tank with 8.0 litres RumenACT™ Neat per 4000 litres of water**

### Stock Daily WATER USAGE Assumptions (low water salinity, pH7)

<b>Sheep</b>	<b>3-8 litres</b>	(Weaners 2-4, Adult Dryland 4-8, Ewes with Lambs 6-8)
<b>Cattle</b>	<b>20-80 litres</b>	(Steers/Heifers 20-40, Milking Cows 60-80, Adult Dryland 40-60)

## Can you have Too Much of a Good Thing?

A gutful of Reactive Liquid Carbon is a very effective treatment used in Hospitals for Alcohol Poisoning. RumenACT™ is an inherently safe product so you cannot Harm Stock with High Levels but overdosing (5X or more recommended) runs the risk of lower Feed Utilisation – particularly Nitrogen conversion. There is evidence to suggest that high Carbon content Rumens have naturally occurring Anti-Viral, Anti-Inflammatory and Anti-Bacterial properties – and you don't want over-dosed Anti-Bacterial properties rising in the Rumen given it is supposed to be a bacterial fermentation tank anyhow.