

# Drought Feeding Cattle ~June 2018



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**Alltech**<sup>®</sup> LIENERT

# Who is Lienert?

- Lienert Australia provides an animal nutritional service.
- Feed formulations & Supplements
- Support service for feedmills and farms that make stock feed
- Free Choice ( self limiting ) Licks

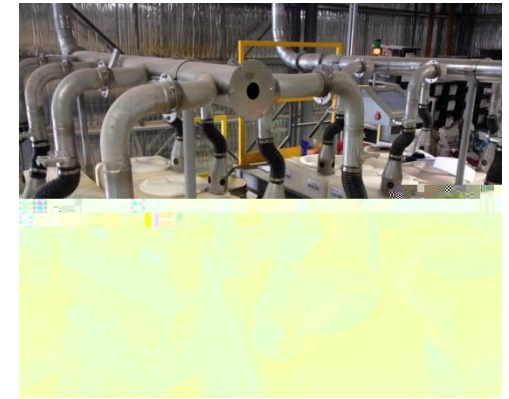




# About Lienert Australia

## The Business

- Started in 1970 by Ron and John Lienert
- Customers Australia wide & overseas
- Manufacture, supply & distribution
  - Stock feed premixes
  - Feed ingredients
  - Feed medications
  - Animal health products
- Nutritional advice – team of 7
- In house distribution network
- Acquired by Alltech 2014



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# WATER

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- UNDER 5000 PPM TOTAL SALTS
- IF OVER 5000 ~ NOT FOR MUMS OR CALVES
- 200kg animals drinking 35L/day
- 500kg cow in lactation drinking 60L+/day

# ENERGY

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<b>Class of stock</b>	<b>Energy required each day (MJ ME)</b>	<b>Kg. hay/head/day (good quality) (no pasture feed)</b>
Cow (450 kg)* + calf (1-3 months)	90	12***
Dry cow (450 kg) middle-late pregnancy	65	9
Bulls (700 kg)	70	10

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<b>Class of Stock</b>	<b>Energy required each day (MJ ME)</b>	<b>Kg. Hay/head/day (good quality) (no pasture feed)</b>
Early weaned calf (150 kg) < 6 mths, 0.25 kg/day wt. gain	30	4**
Weaner (250 kg) 6-12 mths, 0.25 kg/day wt. gain	40	5.5
Steer (500 kg), maintenance	60	8



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40MJ ME required to put on 1kg of live weight

E.g. 5kg of 8MJ hay + 1kg of vegetable protein

Or 3kg of Barley + 0.5kg of vegetable protein

# Protein

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	Background feed averaging 7MJ	Background feed averaging 11MJ
200kg animal gaining 250g/day	285g/day of protein (4kg at 7% protein) Or (3kg at 9% protein)	245g/day of protein
200kg animal gaining 500g/day	365g/day of protein (4kg at 9% protein) Or (3kg at 11.5% protein)	295g/day of protein
200kg animal gaining 750g/day	485g/day of protein (5kg at 10% protein) Or (4kg at 12% protein)	360g/day of protein



# Protein

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	<b>Background feed averaging 9MJ</b>	<b>Background feed averaging 11MJ</b>
400kg animal gaining 500g/day	515g/day of protein (6kg at 8.5% protein) Or (5kg at 10% protein)	470g/day of protein
400kg animal gaining 750g/day	635g/day of protein (7kg at 9% protein) Or (6kg at 10.5% protein)	565g/day of protein
400kg animal gaining 1000g/day	800g/day of protein (8kg at 10% protein) Or (7kg at 11.5% protein)	685g/day of protein

## FEEDING MUM with young CALF on 10 KG /DAY TOTAL FEED

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90 MJ of energy in lactation and 1000 grams of protein / day

2.0 kg of whole cottonseed (20 p /13 e )  
+ 2 kg stubble ( 5p /5 e ) = 500 gms  
protein

And 36 MJ

The other 6 kgs needs to supply 54 MJ  
energy and 500 gms protein

Is it Hay or Straw or Grain ? ( or a blend  
?) ( 9.0 MJ/kg & 8.5% protein )

## FEEDING 500 KG PREGNANT MUMS ON 8 KG /DAY TOTAL FEED

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55 MJ of energy in Mid gestation and  
450 grams of protein / day

1 kg of whole cottonseed (20 p /13 e ) +  
2 kg stubble ( 5p /5 e ) = 210 gms protein  
And 14 MJ

The other 5 kgs needs to supply 40 MJ  
energy and 240 gms protein

Is it Hay or Straw ? ( 8 MJ/kg & 6%  
protein )