



provided by Hoard's Dairyman

# *Dairy Product Range*

*For further information on all AMBOS feeding programs contact the nutritionist at Young, NSW on 02 6382 4847*

**Disclaimer:**

The information (*information*) contained in this document and any proceeding [following] pages are intended solely for the information of our customers. Except as prohibited by law, we disclaim and take no responsibility for any errors in, or omissions from, the information. You should not rely upon this information, but should make your own inquiries about the subject matter of this document. If you have any questions about the information you should contact us.

***AMBOS - Australian Made Built On Service***  
***AMBOS Dairy Pellet Range***



Ambos Stock feeds have a range of high energy dairy pellets that have been formulated to supplement pasture or silage. There are a range of protein levels available with two energy regimes. All rations contain the necessary vitamins, macro and trace mineral levels to balance a pasture based dairy system.

Essential additives included in the dairy ration fed at 6 kg/cow/day will balance a summer kikuyu grazing system. Compare these quantities to the requirements of a 7000-litre cow, consuming 18 kg dry matter per day.

MINERAL	NRC REQUIREMENT PER DAY 18 kg DM/cow/day	SUPPLY IN SUPPLEMENT PER DAY 6 kg DM/cow/day	SUPPLY IN KIKUYU PASTURE PER DAY 12 kg DM/cow/day	TOTAL gm/day 18kg DM/cow/day
Calcium (Ca)	108 gm	60 gm	40 gm	100 mg
Phosphorous (P)	68 gm	27 gm	40 gm	67 mg
Sodium (Na)	32 gm	27 gm	5 gm	32 mg
Magnesium (Mg)	36 gm	3 gm	30 gm	33 mg
Cobalt (Co)	20 mg	12 mg		
Copper (Cu)	180 mg	200 mg	120 mg	320 mg
Potassium (K)	162 gm	25 gm	360 gm	385 gm
Manganese (Mn)	720 mg	200 mg	620 mg	820 mg
Zinc (Zn)	720 mg	900 mg	360 mg	1260 mg
Iodine (I)	11 mg	8 mg		
Selenium (Se)	5.4 mg	4 mg		

Added premixes cover most of the trace mineral requirements of dairy cows where soil types and hence minerals can vary greatly on the same farm.

Feeding increased quantities of straight grain when supplement prices are high are very attractive. On the surface, the high-energy low protein content of cereal grains may appear to complement the cow's requirements when it is grazing high protein grasses and clovers. However, one issue of concern in such situations is the importance of maintaining milk compositions. The ingestion of lush, wet grasses and clovers of low fibre content does not support high rumen pH values. The levels of acidity observed in the rumen of dairy cows fed such high protein/low fibre diets can almost approximate those recorded in steers fed a feedlot ration of cereal grain. Add to this



**situation the acidity produced by bacterial fermentation of cereal starch and the cow's digestion processes can be prejudiced to the extent that milk composition suffers. This is reflected in low butterfat, excessive loss of body condition and may eventually express itself in poor fertility.**

**Feeding a complete supplement allows the dairy farmer to include compounds to the cow's diet, which help alleviate the problems associated with feeding straight grain. The mixing process enables the farmer to include unpalatable dietary additives such as sodium bicarbonate and magnesium oxide that help maintain rumen pH and encourage greater microbial growth. This elevates intake and milk solids. For cows fed bloat provoking pastures the mixed ration enables the farmer to safely feed the correct dosage of anti bloat compounds.**

**For the dairy farmer who does not have abundant clover in the pasture, it pays to remember that plain cereal grain does not contain adequate levels of calcium and it is necessary to include a source of calcium as the cow proceeds through the lactation cycle.**

**The question of lime required to meet the requirements of the high yielding dairy cow is considerable and it can be easily included in a complete supplement.**



## Dairy Pellet

### *Feeding Directions*

Days in Lactation	Level of Pellets fed	Pasture Fed Kg DM	Total Dry matter Intake DMI	Predicted Milk Production
1 to 100 days	6 – 8 kg	12	20 kg	25.5 Lt
100 to 200 days	4 – 6 kg	12	18 kg	22.5 Lt
200 to 300 days	2 – 4 kg	12	16 kg	19.5 Lt

### Features

The Ambos Dairy pellet range contains the following additives included as standard ingredients which will change on a seasonal basis: Lime, Dicalcium Phosphate, Salt, Dairy Premix, Palm oil and Sodium Bicarbonate.

### Minimum Specifications on a Dry Matter Basis

Nutrient	Level	Nutrient	Level
Crude Protein %	11, 13, 16, 18, 20 (10,12,14,16,18 as fed)	Salt %	0.5
Metabolisable Energy ME, MJ/kg	12 or 13.5 (11 or 12 as fed)	Crude Fibre %	2.5
Calcium %	1.0	Premix %	0.2
Phosphorus %	0.45	Sodium %	0.4

### Additives

The additives that can also be included in the rations at the following recommended rates:

Rumensin <sup>TM</sup> 10% 2.5gm /cow/day

Bovatec <sup>TM</sup> 15% 2.0 gm/cow/day

Organic Zinc 10% 3.6 gm/cow/day

Eskalin <sup>TM</sup> 2% 250 mg Virginiamycin/cow/day as per Vet Script



**AMBOS have a standard range of calf and dairy products as listed below, however custom mix diets are also available (please talk to our nutritionist).**

Product	% Crude Protein AS FED	% Crude Protein DRY MATTER
<b>PELLETS</b>		
<b>CALF PELLETS WITH BOVATEC</b>	<b>18</b>	<b>20</b>
<b>CALF PELLETS WITH BOVATEC</b>	<b>16</b>	<b>18</b>
<b>CALF PELLETS WITH BOVATEC</b>	<b>14</b>	<b>16</b>
<b>DAIRY (11.5 MJ/kg as fed)</b>	<b>10</b>	<b>10.5</b>
<b>DAIRY (11.5 MJ/kg as fed)</b>	<b>12</b>	<b>13</b>
<b>DAIRY (11.5 MJ/kg as fed)</b>	<b>14</b>	<b>16</b>
<b>DAIRY (11.5 MJ/kg as fed)</b>	<b>16</b>	<b>18</b>
<b>DAIRY (11.5 MJ/kg as fed)</b>	<b>18</b>	<b>20</b>
<b>DAIRY (12 MJ/kg as fed)</b>	<b>10</b>	<b>10.5</b>
<b>DAIRY (12 MJ/kg as fed)</b>	<b>12</b>	<b>13</b>
<b>DAIRY (12 MJ/kg as fed)</b>	<b>14</b>	<b>16</b>
<b>DAIRY (12 MJ/kg as fed)</b>	<b>16</b>	<b>18</b>
<b>DAIRY (12 MJ/kg as fed)</b>	<b>18</b>	<b>20</b>
<b>PRE-CALVING DRY COW</b>	<b>14</b>	<b>16</b>
<b>DAIRY CONCENTRATE WITH RUMENSIN (10 MJ/kg as fed)</b>	<b>23</b>	<b>25</b>
<b>(to be fed at 2 kg/cow/day with Grain)</b>		
<b>BARLEY PELLETS (12 MJ/kg as fed)</b>	<b>13</b>	<b>15</b>
<b>BARLEY PELLETS PLUS (12 MJ/kg as fed)</b>	<b>13</b>	<b>15</b>
<b>(Includes Rumensin, buffers, vit/mins)</b>		

<b>MEALS</b>		
<b>CALF MEAL</b>	<b>16.5</b>	<b>18</b>
<b>CALF/HEIFER MEAL</b>	<b>14.5</b>	<b>16</b>
<b>DAIRY CONCENTRATE WITH RUMENSIN (9 MJ/kg as fed)</b>	<b>30</b>	<b>32</b>
<b>(to be fed at 1 kg/cow/day with Grain)</b>		

### Features

**The Ambos Dairy pellet range contains the following additives included as standard ingredients which will change on a seasonal basis: Lime, Dicalcium Phosphate, Salt, Dairy Premix, Palm oil and Sodium Bicarbonate.**