



## Diet

## Kangaroo Cubes

A reformulated balanced diet designed for large foregut fermenting marsupials.

- Detailed nutritional requirements of marsupials is not well characterised. This diet was designed using the best information we could obtain from the literature and our experience in feeding trials.
- This diet is designed as a supplementary feed to grazing / browsing large marsupials. The cubes must be fed along with a good quality roughage such as hay or grazing.
- Diet ingredients are carefully selected to minimise the risk of soft palate damage.
- Feedback from animal carers have indicated that the diet is palatable to a range of Kangaroo species.

Calculated Nutritional Parameters	
Protein	17.00%
Total Fat	3.80%
Crude Fibre	12.00%
Neutral Detergent Fibre	29.00%
Acid Detergent Fibre	15.00%
Metabolizable Energy	11 MJ / Kg
Calcium	1.00%
Phosphorous	0.80%

Ingredients
A least cost formula ration using the following ingredients: Wheat, Barley, Lupins, Soya meal, Canola meal, Lucerne, Vegetable oil, Molasses, Skim milk, Calcium carbonate, magnesium oxide, Salt, Sodium bicarbonate, Dicalcium phosphate, Sulphur, and a Vitamin and trace mineral.

Diet Form and Features
<ul style="list-style-type: none"> <li>• 8 mm diameter pellets.</li> <li>• 20 Kg woven polyethylene bags</li> </ul>

Added Vitamins	
Vitamin A (Retinol)	16 000 IU/Kg
Vitamin D (Cholecalciferol)	3 200 IU/Kg
Vitamin E (a Tocopherol acetate)	27 mg/Kg
Vitamin B1 (Thiamine)	0.25 mg/Kg

Added Trace Minerals	
Magnesium	65 mg/Kg
Iron	100 mg/Kg
Copper	34 mg/Kg
Iodine	2.4 mg/Kg
Manganese	120 mg/Kg
Cobalt	2.5 mg/Kg
Zinc	100 mg/Kg
Selenium	0.2 mg/Kg

Calculated Amino Acids	
Valine	0.80%
Leucine	1.30%
Isoleucine	0.70%
Threonine	0.60%
Methionine	0.20%
Cystine	0.30%
Lysine	0.70%
Phenylalanine	0.70%
Tyrosine	0.60%
Tryptophan	0.20%

Calculated Total Minerals	
Calcium	1.00%
Phosphorous	0.80%
Magnesium	0.30%
Sodium	0.40%
Potassium	1.10%
Sulphur	0.40%
Iron	305 mg/Kg
Copper	40 mg/Kg
Iodine	2.4 mg/Kg
Manganese	172 mg/Kg
Cobalt	2.8 mg/Kg
Zinc	143 mg/Kg
Selenium	0.4 mg/Kg
Cadmium	0.03 mg/Kg
Boron	5.1 mg/Kg

Calculated Total Vitamins	
Vitamin A (Retinol)	35 220 IU/Kg
Vitamin D (Cholecalciferol)	3 200 IU/Kg
Vitamin E (a Tocopherol acetate)	50 mg/Kg
Vitamin K (Menadione)	1.0 mg/Kg
Vitamin C (Ascorbic acid)	No data
Vitamin B1 (Thiamine)	4.8 mg/Kg
Vitamin B2 (Riboflavin)	2.5 mg/Kg
Niacin (Nicotinic acid)	44 mg/Kg
Vitamin B6 (Pryridoxine)	3.2 mg/Kg
Pantothenic Acid	12 mg/Kg
Biotin	88 ug/Kg
Folic Acid	0.6 mg/Kg
Inositol	No data
Vitamin B12 (Cyanocobalamin)	No data
Choline	2 000 mg/Kg

Calculated Fatty Acid Composition	
Palmitic Acid 16:0	0.40%
Stearic Acid 18:0	0.10%
Palmitoleic Acid 16:1	Trace
Oleic Acid 18:1	1.00%
Gadoleic Acid 20:1	Trace
Linoleic Acid 18:2 n6	1.30%
a Linolenic Acid 18:3 n3	0.20%
Arachadonic Acid 20:4 n6	No data
EPA 20:5 n3	No data
DHA 22:6 n3	No data
Total n3	0.20%
Total n6	1.30%
Total Carotenoid	No data
Total Phospholipid	Trace
Cholesterol	No data

Calculated data uses information from typical raw material composition. It could be expected that individual batches of diet will vary from this figure.

We are happy to provide full calculated nutritional information for all of our products, however we would like to emphasise that these diets have been specifically designed for manufacture by Specialty Feeds.