

Full work racehorse- based on 500kg

Recommended Diet (Daily) Per Horse **Full work ration (500kg)**

| Feed Type | Total Daily (kg) | Total Daily (g) |
|--------------------------|---------------------------|-----------------|
| Lucerne chaff | 0.5 | 500 |
| Wheaten chaff | 0.5 | 500 |
| Cracked corn | 2.0 | 2000 |
| Oats | 4.0 | 4000 |
| Tick bean | 0.25 | 250 |
| Power Formula® | 0.6 | 600 |
| Racing Oil® | 250ml | 250ml |
| Neutrolene PLUS® | 90ml(morning & afternoon) | 90ml |
| Ration Balancer Pellet® | 0.06 | 60 |
| Salkavite® | 0.06 | 60 |
| Salt | 0.06 | 60 |
| Lucerne hay | 4(4kg= 2 biscuits) | 4000 |
| TOTAL CONSUMPTION | 11.02 | 11020 |

Calcium: Phosphorus Ratio 2.49:1

Further Notes

Protein and amino acids

An insufficient intake of amino acids can limit development to genetic athletic potential, muscle development, tendon and ligament strength, bone strength, production of blood haematology, and hormone production.

The unique amino acid profile of **Power Formula** ensures high levels of key amino acids lysine, methionine and threonine. Power Formula's unique amino acid profile was developed and researched by Dr Percy Sykes.

The harder a horse works the higher its requirements for amino acids. If muscle development and muscle metabolism are not optimum, then during training or racing, muscle function goes into fatigue and the horse performs poorly.

Energy

The intake of oats and cracked corn is determined by the intensity of work performed. The above levels would be adequate for horse galloping twice per week on a metropolitan track ie Randwick, Rosehill, Caulfield etc. Horses galloping less per week will be fed less oats and corn.

Electrolytes

The inclusion of salt and **Salkavite** ensures an optimal intake of electrolytes.

Salt will stimulate the thirst reflex and encourage the intake of water. Salt provides increased levels of sodium to meet the daily requirements for nerve and muscle function and the regulation of body fluid balance. The increase in drinking will promote the excretion/removal of toxins from the body.

Calcium and phosphorus

A poor calcium to phosphorus ratio would not enable adequate supplies of key bone building blocks such as calcium and phosphorus which may significantly affect the strength and integrity of bone produced, leading to a high incidence of shin soreness, poor responsiveness to training, whilst a high incidence of 'thumps' may be an issue as well.

Power Formula contains high levels of calcium ensuring an optimal calcium to phosphorus ratio. **Power Formula** also contains other key vitamins and minerals zinc, copper, Iron, manganese, Iodine, vitamin A, vitamin E and Vitamin D.

B-Group vitamins

B-Group vitamins are required for the production of energy for muscle contractions, muscle recovery and production of red and white blood cells. The inclusion of **Salkavite** and **Ration Balancer Pellet** ensures an optimal intake of B-Group vitamins, the harder the horses is working the higher the requirement for B-Group vitamins.

Vitamin and minerals

Moderate to high intensity exercise can increase the loss of minerals through sweat, whilst the requirement for vitamins increases as exercise intensity increases. It is important to meet the increased nutritional demands of horses subjected to physical stress and exertion of hard training and racing. Highly bioavailable forms of zinc, copper and manganese are present in Ration Balancer Pellet and Aminovite Plus. Zinc and copper support the immune system which may become suppressed due to stress related to training and racing.

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