

Ranvet Thoroughbred racehorse ration (500kg)

It must be considered that requirements may vary according to body weight and dietary intake will need to be amended for this accordingly. It must also be considered that nutrient requirements on a body weight basis will increase in proportion to the type, intensity and duration of work, ambient temperature and horse temperament.

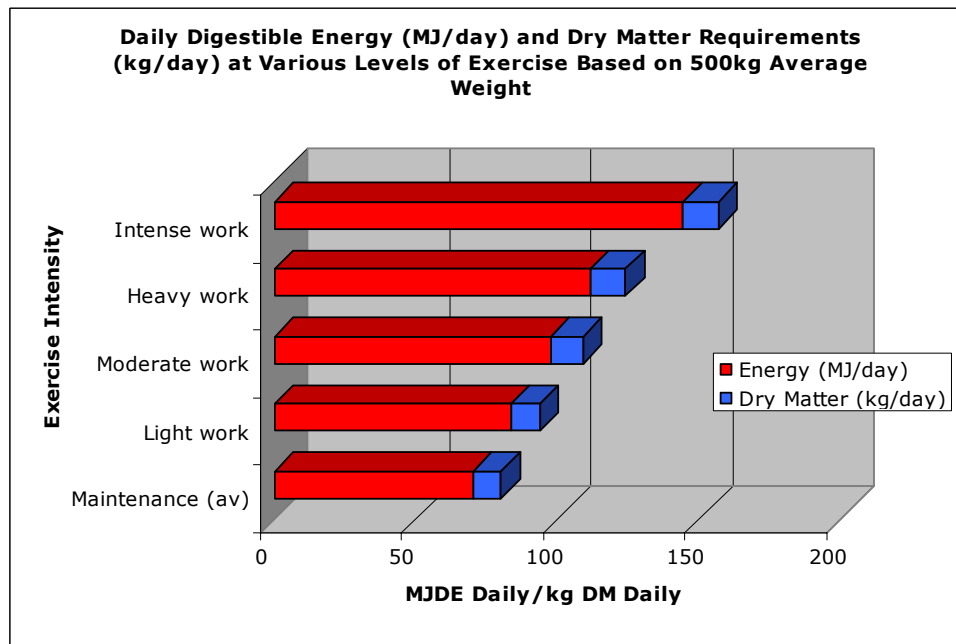


Figure 1: Daily Energy and Dry Matter Requirements Performing Various Levels of Work Based on 500kg Average Weight (NRC 2007)

Suggested Diet (Daily) Per Horse Thoroughbred racehorse (500kg)

| Feed Type | Pre-training | Slow Work | Full Work |
|-------------------------------|--------------|--------------|-----------------------------|
| Lucerne chaff | 1.0 kg | 0.5 kg | 0.5 kg |
| Oaten chaff | 1.0 kg | 0.5 kg | 0.5 kg |
| Oats | 2.5 kg | 3.8 kg | 6.0 kg |
| Steam rolled barley | 1.0 kg | - | - |
| Cracked corn | - | 1.0 kg | 1.5 kg |
| *Power Formula [®] | 400g | 500g | 600g |
| *Racing Oil [®] | 100ml | 200ml | 250ml |
| *Neutrolene PLUS [®] | - | - | 90ml |
| *Potassium PLUS [®] | - | 45ml | 45ml |
| *Aminovite PLUS [®] | 30g | 30g | 60g |
| *Salkavite [®] | 30g | 60g | 60g |
| *Muscle E [®] | - | 30g | 30g |
| *BC5 amino acids [®] | - | - | 55ml (pre & post hard work) |
| Salt | 30g | 60g | 60g |
| ^Lucerne hay | Ad lib | Ad lib | Ad lib |
| Total Consumption | 10.09 | 10.60 | 12.48 |

NB; Full work includes various activities from 1 hour per week fast work to 6-12hours per week slow work. This exercise intensity is considered as 'racing' level. ^Ad lib Lucerne hay consumption of 4kg/day has been calculated according to minimum daily roughage requirements of 1% bodyweight.

RANVET PTY LTD

10-12 Green St Botany, NSW 2019

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Feeding Facts

- ✓ 80% of sprint energy is derived from muscle glycogen, thereby adequate grain (starch) provision is essential to replenish muscle glycogen to optimal levels.
- ✓ To aid glycogen muscle synthesis and muscle tissue recovery feed within 1-1.5 hours of completing hard work.

- ✓ Increasing the oil content of the ration has been shown to spare muscle glycogen and thereby delay the onset of fatigue. **Racing Oil**® contains an appropriate Omega 3: Omega 6 fatty acid ratio while providing increased protection of cell membranes, increasing the immune response and providing a 'cool' and concentrated energy source. The addition of oil to the ration increases the energy density in the absence of increased feed volume.



- ✓ Adequate protein provision is of vital importance in full work Thoroughbred rations due the continual remodelling of muscle fibres and connective tissues, instigated by strenuous work. **Power Formula**® is a high quality protein source which supplies the necessary amino acids to ensure muscle mass can be gained and maintained when in full work.



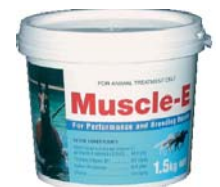
B-Group vitamins contained in **Salkavite**® and **Aminovite PLUS**® play a role in the utilization of carbohydrates, release of energy and are needed for numerous essential body functions. Unlike other fat-soluble vitamins, water soluble B-Group vitamins are not stored in the body and require daily provision and replenishment to maintain optimal levels. It must be considered that intramuscular (IM) injections do not elevate blood levels for more than 24 hours and ideally, supplements are best added to the feed.



- ✓ **Neutrolene PLUS**® acts to buffer the acid build-up caused by intense exercise and replenishes body alkali stores of sodium, thereby restoring blood pH and promoting optimal blood and muscle parameters.



- ✓ **Muscle-E**® has been scientifically formulated to protect performance horses from muscle damage which can lead to soreness and stiffness after work, premature fatigue and in severe cases 'tying-up'. Furthermore, supplementation has been shown to improve track performance in racehorses.



- ✓ Supplementation of **BC5 amino acids**® (branched chain amino acids) 30-60 minutes before and 30 minutes post exercise has been shown to reduce lactic acids levels and aid muscle recovery.



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