

NUTRIENT BALANCER!

Enhanced with Amylase



 **EQUUS RANGE**
SUPERIOR QUALITY HORSE FEEDS

GOLD NB
NUTRIENT BALANCER

OAT FREE



NUTRIENT BALANCER WITH AMYLASE

EQUUS GOLD NB with Amylase is a concentrated source of essential nutrients designed to balance grains and roughage for protein, energy, vitamins and minerals to ensure that nutritional imbalances do not occur.

Gold NB is a versatile supplement specifically formulated for:

- Racing and horses performing other strenuous work
- Lactating mares and young growing horses

When fed at lower levels **Gold NB** is ideal for:

- Leisure horses doing light work
- As a supplement to poor pasture for spelling.

AMYLASE

Improved starch digestion!

Amylase is a natural protein enzyme that is responsible for efficient starch digestion in the small intestine.

Horses do not produce enough amylase necessary for the digestion of large amounts of starch, this is why they have more problems digesting starch compared to other grain eating animals. By adding amylase to the diet we can improve a horse's natural ability to digest starch, thereby enhancing performance, increase nutrient availability and improve diet safety.

Lack of amylase can result in incomplete starch digestion in the small intestine resulting in excessive undigested starch reaching the large intestine where it is fermented producing lactic acid. Excessive lactic acid can cause serious problems such as caecal acidosis, which can lead to colic, laminitis, diarrhoea and poor fibre digestion.

Gold NB contains added Amylase to aid starch digestion in the small intestine naturally, effectively and safely without the need for expensive heat processing.

OAT FREE

For flexible diet formulation!

Gold NB does not contain oats as some feeding applications require an oat free diet. This allows for individual diets to be mixed to suit different horses within the stable.

NATURAL OILS

Highly digestible!

Gold NB is high in natural oils necessary for sustained endurance. Oils provide a highly digestible and efficient concentrated energy source which spares muscle and liver glycogen thereby prolonging the onset of fatigue. Oils create less body heat when used for energy production resulting in reduced heat stress, sweating and electrolyte loss.

Oil contains approximately two and a quarter times more energy than carbohydrates and has an excellent balance of essential omega fatty acids. Omega fatty acids impart an attractive sheen to a horses coat, are important for maintaining healthy skin and are necessary for many biological functions. They also aid in the absorption and storage of the fat soluble vitamins A, D, E and K.





HI-LYSINE

For strong muscle growth and recovery!

Protein is made up of components called amino acids, of which some must be provided via the diet and others are synthesised by the animal. Amino acids needed to be supplied via the diet are called essential amino acids, of these lysine is normally the one most likely to be in short supply.

Gold NB is balanced for essential amino acids, particularly lysine. The high lysine and balanced protein of **Gold NB** ensures efficient protein utilisation, improved growth in young horses, increased milk production, enhanced muscle tone and aids in muscle recovery after strenuous exercise.

ORGANIC CHROMIUM

Enhanced performance!

Research has shown beneficial responses to supplementing diets with organic chromium where high stress, strenuous activity is performed.

Organic chromium has been added to **Gold NB** to help maintain chromium levels during strenuous activity, this improves the bodies sensitivity to insulin, which in turn improves glucose utilisation and therefore the horses performance.

TYING UP

Reducing the chance!

Tying up is a debilitating condition that afflicts many horses. While diet alone cannot eliminate tying up it can have a significant effect on its incidence and severity. **Gold NB** has been formulated to reduce the chance of "tying up". This is achieved by taking particular care in a number of areas.

- **Oats Free**

Gold NB does not contain oats which is known to aggravate the condition.

- **High Oil Low Starch Diet**

Gold NB is high in oil and low in starch which provides energy in a safer form resulting in less lactic acid build up.

- **Balanced Electrolytes**

Gold NB contains essential electrolytes to aid in the prevention of deficiencies, particularly potassium, which can cause decreased blood flow in the muscle leading to lactic acid accumulation. Refer to the "Electrolyte Chart" on the following page.

- **Vitamin E and Selenium**

Added Vitamin E and Selenium aids in the prevention of "tying up" by stabilising muscle cell walls.

- **Vitamin B₁ (Thiamine)**

Added Vitamin B₁ aids lactic acid clearance from the muscles.

- **Chromium**

Added organic chromium helps reduce lactic acid accumulation.



Greg Hall riding Subzero to a win in the 1992 Melbourne Cup

DAILY FEEDING CHART

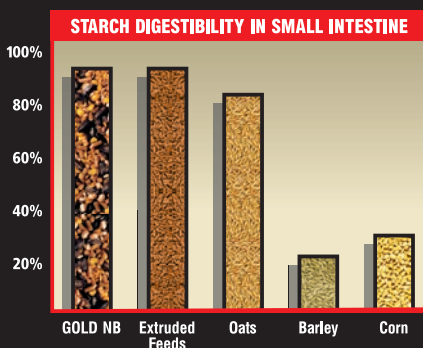
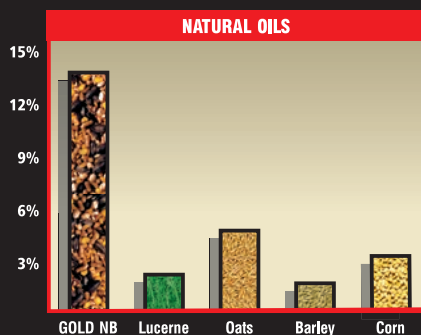
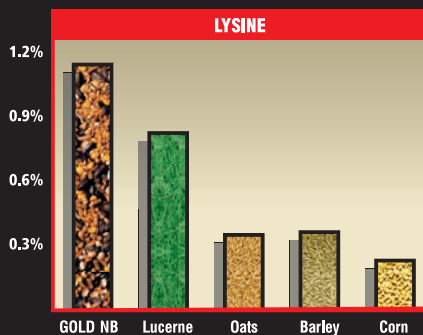
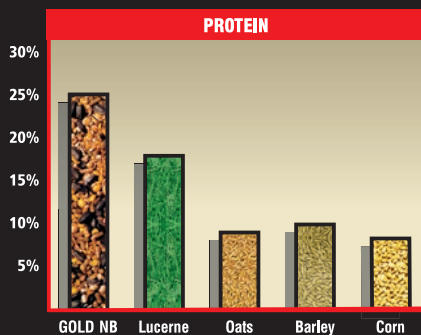
	Horse weight	Gold NB	Grain	Cool Stam.	Cool H&P	Hay #
Intense work	450 kg	2.0 kg	4.5 kg	0.0 kg	0.0 kg	4.5 kg
		1.75	2.25	0.0	2.5	4.5
		1.5	2.25	2.25	0.0	4.5
Moderate work	450 kg	1.5	3.0	0.0	0.0	4.5
		1.25	1.5	0.0	1.5	4.5
		1.0	1.5	1.5	0.0	4.5
Light work	450 kg	1.0	1.5	0.0	0.0	5.0
		0.75	0.75	0.0	1.0	5.0
		0.5	1.0	1.0	0.0	5.0
Maintenance	450 kg	0.25	0.0	0.0	0.0	7.0
Weanling (4 months)	200 kg	1.75	2.0	0.0	0.0	1.5
		1.5	1.0	0.0	1.0	1.5
		1.25	1.0	1.25	0.0	1.5
Weanling, moderate growth (6 months)	200 kg	1.5	2.0	0.0	0.0	1.75
		1.25	1.0	0.0	1.25	1.75
		1.25	1.0	1.0	0.0	1.75
Weanling, rapid growth (6 months)	200 kg	1.75	2.5	0.0	0.0	1.75
		1.5	1.25	0.0	1.5	1.75
		1.5	1.25	1.25	0.0	1.75
Yearlings, moderate growth (12 months)	300 kg	1.25	2.5	0.0	0.0	3.0
		1.0	1.25	0.0	1.25	3.0
		0.75	1.25	1.5	0.0	3.0
Yearlings, rapid growth (12 months)	300 kg	1.75	2.5	0.0	0.0	3.0
		1.5	1.25	0.0	1.5	3.0
		1.25	1.25	1.5	0.0	3.0
Long yearlings at rest (18 months)	365 kg	1.25	2.0	0.0	0.0	4.0
		1.0	1.0	0.0	1.25	4.0
		0.75	1.0	1.25	0.0	4.0
Long yearlings (in training)	365 kg	2.0	2.25	0.0	0.0	5.0
		1.75	1.25	0.0	1.25	5.0
		1.5	1.25	1.25	0.0	5.0
Two year olds at rest	410 kg	0.75	1.5	0.0	0.0	5.0
		0.5	1.0	0.0	1.0	4.5
		0.25	1.25	1.0	0.0	4.75
Two year olds in training	410 kg	1.75	3.0	0.0	0.0	4.5
		1.5	1.5	0.0	1.75	4.5
		1.25	1.5	1.75	0.0	4.5
Early lactation	450 kg	2.25	3.25	0.0	0.0	5.0
		1.75	1.75	0.0	2.0	5.0
		1.5	2.0	2.0	0.0	5.0
Late lactation	450 kg	1.25	2.0	0.0	0.0	6.0
		1.0	1.0	0.0	1.0	6.0
		0.75	1.0	1.0	0.0	6.0
Pregnant mares (9 to 10 months)	450 kg	1.0	1.0	0.0	0.0	7.0
		0.75	0.5	0.0	0.5	7.0
		0.5	0.5	0.5	0.0	7.0
Pregnant mares (11 months)	450 kg	1.5	1.0	0.0	0.0	6.5
		1.25	0.5	0.0	0.5	6.25
		1.0	0.5	0.75	0.0	6.0
Breeding stallions	450 kg	0.5	2.0	0.0	0.0	5.5
		0.25	1.0	0.0	1.25	5.5
		0.25	1.0	1.0	0.0	5.5

GRAIN REPLACEMENT

Gold NB has been designed to balance grain and roughage but in many instances there will be a desire to feed less grain than the recommended amount. This can be done easily by replacing a portion of the grain with either **Cool Stamina** or **Cool Horse & Pony** resulting in a cooler, less grainy mix. When **Cool Stamina** or **Cool Horse & Pony** replace some of the grain less **Gold NB** is required.

Do not feed more than approximately 0.65% of body weight (3kg for a 450kg horse) of a mixture of **Gold NB** and **Grain/Pellets** in a single meal.

Hay, chaff or pasture



ANALYSIS & INGREDIENTS

PROTEIN 25% min.

OIL 14% min.

FIBRE 15 % max.

AMYLASE 300 KNU/kg

Gold NB has been formulated from a selection of the following quality ingredients or products derived from them: Lupins, Sunflower, Beans, Peas, Soya, Canola, Rice, Bran, Pollard, Molasses, Vegetable Oil, Salt, Lysine, Amylase, Organic Chromium, Vitamins and Minerals.

VITAMINS, MINERALS & ELECTROLYTES

Gold NB fed at the rate of 2.0kg per day along with 4.5kg of grain and 4.5kg of roughage will approximately provide the following levels of vitamins and minerals:

MINERALS & ELECTROLYTES

Calcium (Ca)	56	gm
Phosphorus (P)	35	gm
Magnesium (Mg)	22	gm
Sodium (Na)	43	gm
Chloride (Cl)	75	gm
Potassium (K)	99	gm

TRACE MINERALS

Iron (Fe)	1,855	mg
Copper (Cu)	195	mg
Manganese (Mn)	805	mg
Zinc (Zn)	745	mg
Chromium (Cr)	1200	mcg
Cobalt (Co)	2,890	mcg
Iodine (I)	2,230	mcg
Selenium (Se)	2,700	mcg

VITAMINS

Vitamin A	167,680	iu
Vitamin D ₃	9,090	iu
Vitamin E	1,435	mg
Thiamine (B ₁)	95	mg
Riboflavin (B ₂)	95	mg
Pyridoxine (B ₆)	40	mg
Folic acid	30	mg
Pantothenic acid	110	mg
Niacin	235	mg
Choline	11,830	mg
Biotin	4,110	mcg
Vitamin B ₁₂	210	mcg

ENERGY & COOLNESS RATING



ELECTROLYTES

The right balance!

Gold NB contains essential electrolytes to aid in the prevention of deficiencies, particularly potassium, sodium and chloride. Under normal conditions no extra electrolyte supplementation will be necessary. Where moderate to heavy sweating occurs it may be necessary to supplement extra sodium chloride (salt) and to a lesser extent potassium. This can be done cheaply and effectively without the necessity to buy expensive electrolyte mixes.

The following chart indicates the approximate amount of electrolytes that a 450 kg horse is likely to require in addition to that supplied by the feed when **Equus Range** products are fed as recommended.

Points to note when feeding electrolytes

- When dosing high levels of electrolytes it is important to ensure that fresh drinking water is available at all times. This will allow the horse to regulate its fluid intake and ensure that dehydration does not occur.
- Only administer high levels of electrolytes when heavy sweating has occurred.
- It is recommended that electrolytes be added to the food or administered as a drench.
- Do not add electrolytes to the drinking water as the horse will not be able to regulate its water / electrolyte balance and problems may occur.
- If the drinking water has a high mineral content, such as bore water, it is recommended that you discuss the feeding of extra electrolytes with your veterinarian before proceeding.

ELECTROLYTE CHART

SODIUM & CHLORIDE REPLACEMENT

	Salt (NaCl)
Mild sweating	Nil
Moderate sweating	25 to 75 gms per day
Heavy Sweating	75 to 125 gms per day
Excessive & prolonged sweating	125 to 225 gms per day

SODIUM, CHLORIDE & POTASSIUM REPLACEMENT

	Salt & Potassium Mix
Mild sweating	Nil
Moderate sweating	30 to 100 gms per day
Heavy Sweating	100 to 175 gms per day
Excessive & prolonged sweating	175 to 300 gms per day

Salt & Potassium Mix

There are two options that can be used to make this mixture:

Mixture 1. Mix equal parts of "Lite Salt"* and salt.

Mixture 2. Mix 75% salt with 25% potassium chloride.

Both mixtures are similar and will provide the main electrolytes sodium, chloride and potassium in a balanced ratio to each other

* "Lite salt" (or similar products that contain approximately half salt and half potassium chloride) is a mixture of salt and potassium chloride and can be purchased at most supermarkets or grocery stores.

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