



**HYGAIN**  
FEEDING CHAMPIONS SINCE 1983

## Special Ingredients

**Natural Vitamin E** - This unique and highly stable form of Natural Vitamin E known as RRR- $\alpha$ -tocopherol is up to 5 times more bio available and potent than regular synthetic sources of Vitamin E. Research has shown that this form of Natural Vitamin E provides higher retention levels in plasma further aiding antioxidant, immune, cardiovascular, circulatory, neuromuscular and reproductive functions.

**Bio-Mos**<sup>®</sup> - Bio-Mos<sup>®</sup> is a unique form of Mannan Oligosaccharides derived from the outer cell wall of a select strain of yeast using a proprietary process developed by Alltech. Bio-Mos<sup>®</sup> has a defined mode of action and is incorporated in HYGAIN<sup>®</sup> GROTORQUE<sup>®</sup> to maintain gut health and immune system function supporting natural defences essential for optimal fertility, gestation, lactation and musculoskeletal development.

**HYGAIN<sup>®</sup> RBO<sup>®</sup> Equine Performance Oil<sup>®</sup>** - HYGAIN<sup>®</sup> RBO<sup>®</sup> Equine Performance Oil<sup>®</sup> is a blend of rice bran oil, omega 3, 6 & 9 essential fatty acids and natural anti-oxidants known to improve the health and structural integrity of cell membranes. HYGAIN<sup>®</sup> RBO<sup>®</sup> oil plays an important role in maximising energy efficiency due to its energy dense nature and is digested efficiently in the small intestine reducing the 'sugar high' associated with high grain diets. HYGAIN<sup>®</sup> RBO<sup>®</sup> promotes growth and development of the muscular system, top line and a healthy skin and coat.

**Yea Sacc<sup>®1026</sup>** - Yea Sacc<sup>®1026</sup> is a live yeast culture derived from the specific yeast strain *Saccharomyces cerevisiae* 1026. The addition of Yea Sacc<sup>®1026</sup> to equine diets increases fibre, phosphorus and calcium digestibility in mares, and increases gross energy, total lipids and amino acid absorption. Improves milk availability to foals if administered for 3-4 weeks before and throughout the lactation period.

**Biotin** - Biotin, a water soluble vitamin is required by the enzymes responsible for protein synthesis and as a result is an essential vitamin for the healthy growth of hair and hooves. Research has shown that biotin improves skin and coat condition, increases hoof integrity and is widely recommended by farriers and veterinarians.

# Grotorque<sup>®</sup>



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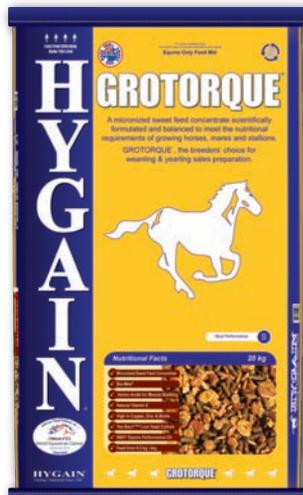
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**HYGAIN**<sup>®</sup>  
FEEDING CHAMPIONS SINCE 1983

# Grotorque®

## The breeders choice

HYGAIN® GROTORQUE® is a micronized sweet feed concentrate scientifically formulated and balanced to meet the nutritional requirements of growing horses, mares and stallions. HYGAIN® GROTORQUE®, the breeders' choice for weanling & yearling sales preparation.



### Product Features

- ✓ Micronized Sweet Feed Concentrate
- ✓ Chelated Minerals
- ✓ Amino Acids for Muscle Building
- ✓ Feed from 0.5 kg / day
- ✓ Natural Vitamin E
- ✓ Bio-Mos®
- ✓ Yea Sacc®<sup>1026</sup> Live Yeast Culture
- ✓ HYGAIN® RBO® Equine Performance Oil®

### Analysis as fed

Crude Protein.....	25%	Phosphorous.....	1%
Crude Fat.....	8%	Lysine.....	20 g/kg
Max Crude Fibre.....	10%	Vitamin E.....	740 IU/kg
Added Salt.....	1.25%	Selenium.....	125 mg/kg
Calcium.....	2.2%	Copper.....	100 mg/kg

### Ingredients

HYGAIN® GROTORQUE® is a blend of the following quality ingredients: MICRLUPINS®, MICRBEANS®, Sunflower Seeds, Soya Bean Meal, Cotton Seed Meal, Canola Meal, Lucerne Meal, HYGAIN® RBO® Equine Performance Oil® (Rice Bran Oil including Omega essential fatty acids and Natural Anti-Oxidants), Natural Vitamin E, Lysine, Molasses, Salt, Calcium Carbonate, Di-Calcium Phosphate, Magnesium Oxide, Yea Sacc®<sup>1026</sup> (APVMA App. No. 40538), Methionine, Bio-Mos®, Biotin and HYGAIN® Vitamin and Chelated Mineral Premix.

### 1kg of HYGAIN® GROTORQUE® provides the following levels of nutrients (as fed)

Lysine.....	20 g	Iron.....	380 mg	Vitamin A.....	32000 IU	Niacin.....	90 mg
Methionine.....	2.5 g	Zinc.....	280 mg	Vitamin B1.....	17 mg	Pantothenic Acid.....	34 mg
Calcium.....	22 g	Manganese.....	250 mg	Vitamin B2.....	24 mg	Folic Acid.....	7.5 mg
Phosphorous.....	10 g	Copper.....	100 mg	Vitamin B6.....	10 mg	Biotin.....	2000 ug
Magnesium.....	10 g	Iodine.....	2 mg	Vitamin B12.....	70 ug	Choline.....	1620 mg
Sodium.....	4.6 g	Cobalt.....	0.64 mg	Vitamin D3.....	2100 IU	Bio-Mos®.....	5000 mg
Potassium.....	13 g	Selenium.....	1.25 mg	Vitamin E.....	740 IU	Yea Sacc® <sup>1026</sup> .....	5000 mg
Chloride.....	8.2 g			Vitamin K.....	11 mg		

### Feeding Guide

Formulated as a concentrate, HYGAIN® GROTORQUE® contains quality protein for fertility and reproduction, essential amino acids for muscle building, along with balanced levels of critical macro and micro trace minerals for sound skeletal development and Bio-Mos® for optimum gut health. The pellet in HYGAIN® GROTORQUE® provides the carrier for the minerals and vitamins ensuring even distribution throughout the feed and preventing separation in the feed bin.

HYGAIN® GROTORQUE® may be fed with grain such as oats or HYGAIN MICRBARLEY to maintain condition and provide the energy for growth. Care should be taken to match feed intake to dietary requirements particularly with growing horses as excess energy may increase the incidence of developmental orthopedic diseases. If horses are obese or at risk of a developmental orthopedic disease remove grain from the diet and feed HYGAIN® GROTORQUE® alone with chaff and/or hay. Seek professional advice.

HYGAIN® GROTORQUE® should be fed in conjunction with quality pasture, hay and/or chaff.

Feeding Rates Per Day*	GROTORQUE®	GRAIN**
Foals 3-6 months.....	0.5 - 1 kg	0.5 - 1 kg
Weanlings 6-12 months.....	1 - 1.5 kg	1 - 2 kg
Weanlings Sales Prep.....	1.5 - 2 kg	1 - 2 kg
Yearlings to 2yo.....	1.5 - 2 kg	2 - 4 kg
Yearling Sales Prep.....	2 - 2.5 kg	2 - 4 kg
Dry Mares.....	1 kg	1 - 3 kg
Late Pregnant Mares.....	1.5 - 2 kg	1 - 3 kg
Lactating Mares.....	1.5 - 2 kg	2 - 4 kg
Stallions in work.....	1 - 2 kg	2 - 4 kg
Horses being Spelled.....	3 - 4 kg	1 - 3 kg

\* Intended as a guide only, all variables should be taken into consideration

\*\* Depending on pasture quality and availability, grain may not be required

### Feeding Tips:

1. Introduce HYGAIN® GROTORQUE® to your horse's diet gradually over a 7-14 day period.
2. Feed by weight and not by volume.
3. Feed a minimum of 1% of your horse's body weight daily as roughage.
4. Horses have a small stomach, so feed little and often.
5. Ensure horses have access to clean water.
6. Do not add additional vitamins or minerals unless directed by a veterinarian or nutritionist.
7. For dietary recommendations and nutritional solutions contact HYGAIN®.