



**HYGAIN**  
FEEDING CHAMPIONS SINCE 1983

## Feeding Guide

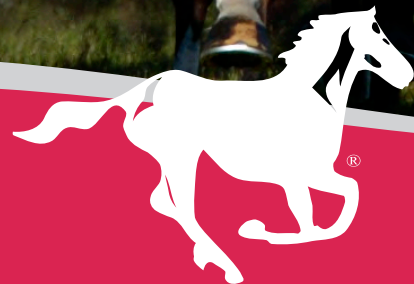
HYGAIN® 3 IN 1® is suitable for performance horses in pre training, training and competition and has been formulated to be fed with a balanced mineral vitamin supplement such as HYGAIN® SPORHORSE®, cereal grains such as oats and/or HYGAIN® MICRBARLEY® along with a minimum of 1% of body weight as fibre such as quality hay and or chaff. HYGAIN® 3 IN 1® can also be used as an energy top up with premixed feeds.

For horses that require an oats free diet HYGAIN® 3 IN 1® can be fed with HYGAIN® MICRBARLEY® or fed on its own at increased levels along with a mineral vitamin supplement and a minimum of 1.5% of body weight as fibre such as quality hay and or chaff. HYGAIN® 3 IN 1® should be introduced to your horse's diet gradually.

Feeding amount may be influenced by age, breed, exercise intensity, desired body condition and climate. HYGAIN® 3 IN 1® is a highly palatable, digestible energy source. Care should be taken to match feed intake to workload. Reduce feed intake on rest days, if horses gain weight and / or training regime is interrupted. Horses in training and receiving regular exercise on average will require 2 kg of HYGAIN® 3 IN 1® together with 4-7 kg of grain and a minimum of 1% of body weight as fibre such as quality hay and or chaff.

## Feeding Tips:

1. Introduce HYGAIN® 3 IN 1® 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. During periods of heavy sweat loss additional supplementation with an electrolyte such as HYGAIN® REGAIN® is recommended.
7. For dietary recommendations and nutritional solutions contact HYGAIN®.



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# 3 IN 1®

## The performance horse diet

Formulated for use in performance horse diets, 3 IN 1® is a unique blend of MICRMAIZE®, MICRLUPINS®, sunflower seeds and Natural Vitamin E coated with HYGAIN® RBO® Equine Performance



### Product Features

- ✓ Micronized Ingredients
- ✓ Readily Digestible Energy Source
- ✓ Improved Feed Efficiency
- ✓ Hy-Fat Formula
- ✓ All Natural
- ✓ Reduced Risk of Colic
- ✓ Reduced Risk of Acidosis
- ✓ Enriched with natural Vitamin E

### Ingredients

**3 IN 1® is a blend of the following quality ingredients:**

MICRMAIZE®, MICRLUPINS®, Sunflower Seeds, HYGAIN® RBO® Equine Performance Oil® - (Rice Bran Oil including Omega 3, 6 & 9 essential fatty acids and Natural Anti-Oxidants), Natural Vitamin E and Calcium Carbonate.

### Analysis as fed

Crude Protein.....	18%	Calcium .....	5.5%
Crude Fat .....	10%	Phosphorous.....	3%
Max Crude Fibre .....	10%	Vitamin E.....	300 IU/kg

### Special Ingredients

**HYGAIN® RBO® Equine Performance Oil®** - HYGAIN® RBO® Equine Performance Oil® is a blend of rice bran oil, omega essential 3, 6 & 9 fatty acids and natural anti-oxidants known to improve the health and structural integrity of cell membranes. HYGAIN® RBO® 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® RBO® promotes growth and development of the muscular system, top line and a healthy skin and coat.

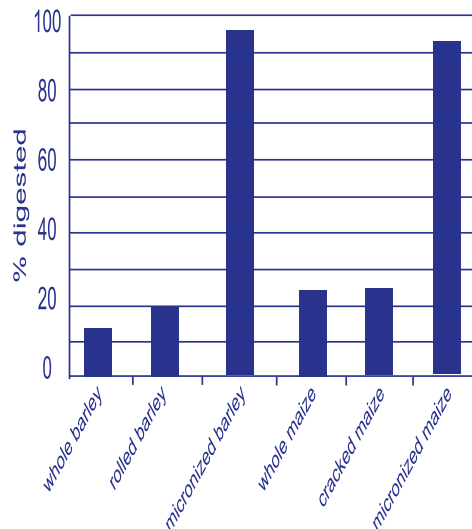
**Natural Vitamin E** - This unique and highly stable form of Natural Vitamin E known as RRR- $\alpha$ -tocopherol is up to 5 times more bio available and potent than regular synthetic sources of Vitamin E. Research has shown that this form of Natural Vitamin E provides higher retention levels in plasma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

### Why micronize?

Micronizing is a "Short Time, High Temperature" patented process using the grains moisture and infrared heat to achieve conditions essential for the optimal cooking of starch and starch gelatinisation. During processing the grain becomes soft and pliable, causing the reconfiguration of the starch structure (gelatinisation). Immediate flaking further gelatinises the starch so as to significantly enhance the digestibility and nutritional value of the feed.

The small intestine is the epicentre of nutrient digestion in the horse. Vitamins, minerals, fats, protein and starch are readily absorbed in the small intestine. Research shows that feed digested in the small intestine significantly increases the rate of glucose (energy) absorption. The starch in MICRONIZED grains can be up to 95% digested in the horse's small intestine where as the starch in whole, cracked or steam-rolled cereal grains such as barley or maize is only 20-40% digested. The remaining starch is then fermented in the large intestine, this in turn increases the burden on the large intestine producing elevated levels of lactic acid, gas and heat.

Level of Small Intestine Digestibility



MICRONIZED grains transfer the site of digestion back to the small intestine improving feed efficiency and reducing the burden on the hind gut resulting in fewer incidences of dietary induced problems such as colic, acidosis, laminitis, loss of appetite, nervousness, fatigue and reduced performance.

HYGAIN® MICRONIZED feeds and MICRGRAIN'S® provide nutritional benefits for all classes of horses.