



HYGAIN
FEEDING CHAMPIONS SINCE 1983

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.

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 MICRGRAINS® provide nutritional benefits for all classes of horses.

Micrgrains®



Hy Gain Feeds Pty Ltd
10 Hickson Rd, Officer, Victoria, Australia 3809
Phone: +61 3 5943 2255 Fax: +61 3 5943 2258

Email: sales@hygain.com.au

Website: www.hygain.com.au

© 2009 Hy Gain Feeds Pty Ltd



HYGAIN
FEEDING CHAMPIONS SINCE 1983

Micrgrains®

To maximize digestion

Premium quality, all natural, micronized grains that require no soaking or cracking with the goodness sealed in. HYGAIN® MICRBARLEY® flakes, HYGAIN® MICRLUPIN® flakes and HYGAIN® MICRMAIZE® flakes are readily digestible with improved feed efficiency and reduced risk of colic, acidosis and laminitis.

	Micrbarley	Micr Lupins	Micrmaize
Min Crude Protein	11%	28%	10%
Min Crude Fat	2%	5%	4%
Max Crude Fibre	9%	15%	5%

HYGAIN® MICRBARLEY®

HYGAIN® MICRBARLEY® flakes are readily converted and absorbed as glucose in the small intestine, providing energy more efficiently than starch fermented in the large intestine.

1kg of whole, crushed, steamed flaked or boiled barley can be replaced with approximately 750g of HYGAIN® MICRBARLEY®. HYGAIN® MICRBARLEY® flakes can be fed on their own or mixed with other grains such as HYGAIN® MICRLUPINS®, HYGAIN® MICRMAIZE® and or oats to meet dietary requirements or used as a top up to premixed, pelleted or extruded feeds and should be fed with a minimum of 1% of body weight as fibre such as quality pasture/ hay and or chaff. The starch in HYGAIN® MICRBARLEY® is over 95% digested in the horse's small intestine where as the starch in whole or flaked barley is only 20-30% digested.



HYGAIN® MICRMAIZE®



HYGAIN® MICRMAIZE® flakes are readily converted and absorbed as glucose in the small intestine, providing energy more efficiently than starch fermented in the large intestine.

1kg of cracked or steam flaked maize can be replaced with approximately 750g of HYGAIN® MICRMAIZE®. HYGAIN® MICRMAIZE® flakes can be fed on their own or mixed with other grains such as HYGAIN® MICRLUPINS®, HYGAIN® MICRBARLEY® and or oats to meet dietary requirements or used as a top up to premixed, pelleted or extruded feeds and should be fed with a minimum of 1% of body weight as fibre such as quality pasture/ hay and or chaff. The starch in HYGAIN® MICRMAIZE® is over 90% digested in the horse's small intestine where as the starch in whole, cracked or flaked

HYGAIN® MICRLUPIN®



HYGAIN® MICRLUPIN® flakes are ready to be fed and do not require soaking or cracking.

HYGAIN® MICRLUPIN® flakes can be fed on their own or mixed with other grains such as HYGAIN® MICRBARLEY®, HYGAIN® MICRMAIZE® and or oats to meet dietary requirements or used as a top up to premixed, pelleted or extruded feeds and should be fed with a minimum of 1% of body weight as fibre such as quality pasture/ hay and or chaff.