

Acid Buf

Science for Feed Efficiency

Acid Buf is an efficient and effective acid neutralising buffer derived from calcareous marine algae and is 100% natural, attaining Carbon Trust accreditation. Stabilising gastric pH levels for a longer time period, its unique honeycomb structure breaks down slowly and provides twice the acid neutralising capacity of traditional buffers. Acid Buf is sustainably harvested from the north Icelandic coast and its unique marine minerals aid gastric function and support bone development. This provides added benefits to the horse when compared to other gastric support products.



Supports the optimisation of gastric health



Aids stabilisation of the non-glandular stomach pH



Supports the healing process after gastric ulceration



Helps build and maintain strong bones and muscles



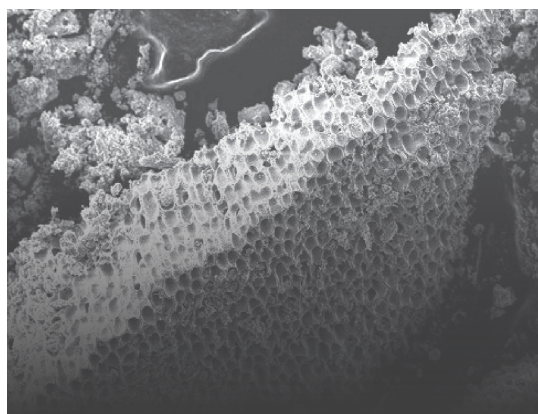
Supports the maintenance of gut wall integrity



Promotes healthy nerve tissue and reduces nervous tension



Carbon Trust accredited



Supports gastric health

Buffers acid for up to 8 hours

Bioavailable calcium supply

Bioavailable magnesium supply

Learn more by calling **+44 (0) 2894 473 478** (Northern Ireland)



Why include Acid Buf in equine feeds?

Horses are under a range of nutritional and management stressors (high starch/low fibre diets, fasting between meals, transportation/stabling stress, exercise) which can cause detrimental changes to the gastric ecosystem. These changes often result in a myriad of health issues including acidosis, equine gastric ulcer syndrome, colic or laminitis.

Despite horses being hindgut fermenters, problems can also arise when the foregut health is compromised. A key example of this is when the non-glandular (upper) stomach pH falls below the optimal range of pH 5.0 - 7.0. When this occurs not only can the non-glandular stomach lining be damaged (leading to ulceration) but feed digestion efficiency is decreased. The subsequent gastric discomfort affects individual horses in differing ways but behavioural changes and a decrease in performance is highly likely.

Therefore, it is important to reduce the amount of time spent outside of this optimal pH range by including the highly effective gastric buffer, Acid Buf. Acid Buf optimises the pH in the upper non-glandular region and subsequently dissolves quickly in the lower glandular region of the stomach where a more acidic pH (2.0-3.0) is required for protein digestion and feed breakdown.

Acid Buf is a well-researched, proven product with multiple studies showing a positive effect on skeletal health, gut wall integrity and behaviour. This will help optimise gastric health and lead to improved animal performance and behaviour.

The importance of calcium and magnesium

Calcium and Magnesium are important for nerve, muscle function, immune system and bone health. Different sources will vary in their ability to solubilise and be made available to the horse. Acid Buf supplies a very bio-available source of both calcium and magnesium. Magnesium is known to help maintain calmness, support concentration and aid learning and calcium has a positive role in blood clotting and metabolism.

Constituent	Content	Bio-availability	Per 50g feed rate
Magnesium	5.5% min	99%	2.75g
Calcium	30%	100%	15g

Signs of poor gastric health

- ➊ Negative behavioural changes
- ➋ Reduced appetite
- ➌ Loss of body condition
- ➍ Reduced stamina performance
- ➎ Discomfort
- ➏ Poor coat quality

Inclusion rates

Compound feed and balancers:

- ➊ Standard 50g/head/day is recommended for a 500kg horse.
- ➋ 50g/head/day is recommended as maintenance and up to 100g/head/day under times of stress when fed as a supplement.

Youngstock diets (under 12 months):

- ➊ 25g/head/day is recommended