

Did you know?

MAAAX™ LONGfibe™ cubes don't make your horse "hot"!

MAAAX™ LONGfibe™ cubes are the perfect source for slow digestible energy!

When a horse chews, the feed is chopped and squeezed. Nearly 30 % of protein and 30 % of NfEs are quickly available to the horse after chewing and gastric passage through the stomach, and through the pure mechanic degrading by the teeth (Meyer et al, 1975, Meyer et al. 1986, Staszuk et al. 2006). But the degrading of concentrates happens quicker than the degrading of forages. MAAAX™ LONGfibe™ cubes are degraded slowly by microbes in the hind gut and offer "slow long term energy" to the horse. It won't make them hot, but keeps them in a perfect condition and ready for work.

Depending on the feeding behavior and chewing rate, the particle size of forage in the hind gut varies around 1630 µm in horses as well as 1600 µm in ponies (Ueden et al, 1982). This means, that ponies have more or less the same particle size, but significantly higher energy efficiency because of a bigger digestive tract in comparison to horses. Ponies with a "big barrel" house a larger digestive tract within. Their digestive system has a significantly larger surface to help them to take up more nutrients.

We recommend further reading:

Meyer H, Ahlswede L, Reinhardt HJ. Studies on the duration of feeding, masticatory frequency and mincing of feed in horses. Dtsch Tierarztl Wochenschr. 1975;82(2):54-8.

Meyer H, Coenen M, Teleb H, Probst D. Untersuchungen über Futterzerkleinerung und Freisetzung von Futterinhaltsstoffen im Kopfdarm des Pferdes. Z Tierphysiol, Tierernährg u Futtermittelkde. 1986;56:266-75.

Staszuk C, Lehmann F, Bienert A, Ludwig K, Gasse H. Measurement of masticatory forces in the horse. Pferdeheilkunde. 2006;22(1):12-6.

Ellis, A./Hill, J.: Nutritional physiology of the horse, Nottingham, 2005.

Frape, D.: Equine Nutrition and Feeding, 4. Edition. Oxford 2011

NRC National Nutrition Council: Nutrient requirements for horses, 5th Edition, 2007.

Geor, R.J., Harris, P.A., Coenen, M. : Equine Applied and Clinical Nutrition, Saunders, 2013