

# KW MultiBuf Fibre Digest



A combination buffer with live yeast and Amaferm prebiotic. KW MultiBuf Fibre Digest acts to maintain an optimum rumen environment and maximise the energy and protein value of feed through increased digestibility.

## Why feed MultiBuf Fibre Digest?

Extracting the maximum nourishment from rations is key to achieving good feed efficiency and profitable milk production. Fibre is a major component of ruminant diets but compared to protein and starch it is often poorly digested and utilised. KW MultiBuf Fibre Digest is a combination buffer which includes live yeast and a prebiotic. The buffering agent, live yeast and prebiotic work synergistically to provide the optimum rumen environment and increase feed efficiency.

### MultiBuf Fibre Digest contains:

**Acid Buf** – High surface area algal material, with a honeycomb structure that gives sustained buffering over a long period of time, improving milk yield and live weight gain when fed in acidic rations. It also contains a good source of calcium and magnesium.

**Vistacell Live Yeast** - Vistacell improves rumen fermentation by scavenging oxygen which is toxic to rumen microbes; reducing the number of bacteria that produce lactic acid and increasing the lactic acid utilising bacteria, this elevates rumen pH which means fibre-digesting bacteria are positively affected. Additionally, Vistacell supplies specific nutrients that stimulate the growth of fibre digesting bacteria. The risk of acidosis when feeding highly fermentable concentrate and acidic forage is therefore reduced, and fibre digestion improved. The overall effect is improved fibre digestion and dry matter intake, resulting in greater productivity, better condition score and improved dung consistency.

**Amaferm**- Amaferm is a natural feed additive (fermentation product of *Aspergillus oryzae*), which acts as a prebiotic to maximize the energy and protein value of feed through increased digestibility. Amaferm stimulates fungal and bacterial growth in the rumen and also enhances production of digestive enzymes by these microorganisms thus leading to increased digestibility of the diet, most notably fibre. This allows greater VFA and microbial protein production thereby improving animal performance.



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## What are you trying to achieve?



Need	Feature	Benefit
Reduced risk of rumen acidosis	AcidBuf helps to buffer changes in the rumen pH Vistacell & Amaferm both increase lactic acid utilising bacteria decreasing acidosis risk	Rumen environment is optimised improving cow performance
Support milk yield and constituents	Concentrated live yeast Vistacell	Vistacell has been shown to increase milk yield by up to 2 litres/cow/day.
	Amaferm stimulates fungal and bacterial growth in the rumen and enhances production of digestive enzymes by these microorganisms leading to increased digestibility of the diet, most notably fibre making more energy and microbial protein available to the cow	Amaferm has been shown to increase milk yield by up to 5%
Improve feed efficiency	The three components; AcidBuf, Vistacell and Amaferm work together to create an optimal rumen environment and Amaferm increases the digestibility of the fibre fraction	Amaferm has been shown to increase feed efficiency by >4%
Easy to handle	Free flowing, no lumping. Available in bags.	KW MultiBuf Fibre Digest is sold as a ready-to-use premix, making it easy to handle and incorporate into rations

The predicted responses (benefits) assume that the specified nutrient, physical or structural dietary components are limiting livestock performance in the current ration.



## Recommended daily feed rates (per head basis)

Include in TMR, top-dress over forage, include in a blend.

Feeding rate: 150g/head/day to Dairy cows.

## Availability, handling and storage

- Store in cool, dry conditions and use within 1 year from date of manufacture.
- Packed in 25kg bags, delivered on a 1t pallet.
- Stack pallets no more than two high.
- Delivery available nationally within 7-10 working days

## Additional information

### Method of production

KW MultiBuf Fibre Digest contains AcidBuf, Vistacell and Amaferm.

Acid Buf is manufactured from calcareous marine algae harvested off the coasts of Ireland and Iceland. In the process of growth, the live plant develops a white calcareous skeleton. This is harvested, washed, dried, ground and bagged. Acid Buf contains three calcium structures, helping to provide a sustained buffering effect.

Live yeasts are fragile and must be delivered to the rumen in the live form, otherwise the benefits are lost. Vistacell is produced using a specialist drying process that results in the production of granules which have an outer layer of dead yeast cells protecting the inner 'core' of live yeast. This gives a highly stable product, resulting in a greater response from the animal when fed. Vistacell is specifically manufactured by AB Mauri Ltd, a sister company of AB Agri Ltd.

Amaferm® is a fermentation product produced by *Aspergillus oryzae* NRRL 458, containing alpha-amylase and cellulase enzyme activities.

### Quality Assurance

KW MultiBuf Fibre Digest is a FEMAS-assured product and is marketed by KW Alternative Feeds, a UFAS-accredited company.

Vistacell (CAS 68878-77-7) and Sodium Bicarbonate (CAS 11-4-2) comply with Feed Additives Regulation 1831/2003 where they are authorised for inclusion in the diets of dairy cows, beef cattle, sows and piglets. Amaferm complies with Feed Additives Regulation 1831/2003 where it is authorised for inclusion in the diets of dairy cows.

### Legal Disclaimer

Suggested feeding rates are produced as a guide only and many other factors may have an over-riding effect on animal response; no performance guarantee can be given. Rations should be carefully balanced for energy and protein, contain sufficient forage to maintain rumen function and be fortified with an appropriate vitamin and mineral supplement. Animals must have constant access to clean water.



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