Meeting the challenge of effective fermentation in low dry matter grass silage

Unleashing the value of your forage
Lower dry matter grass, typically up to 30% DM requires a larger pH drop to ensure a more effective and stable fermentation. If the pH does not drop quickly enough, undesirable bacteria will not be destroyed leading to a poorer fermentation.

**axphast** is specifically formulated for lower dry matter crops, combining unique bacterial strains with patented enzymes to help fuel the fermentation.

**The result** - higher quality, more productive silage.

**axphast - producing a more rapid fermentation**

The four specialist lactic acid producing bacteria in **axphast** work together to deliver the rapid pH drop required. The rapid acidification of the crop inhibits undesirable bacteria and prevents losses due to secondary fermentation.

By making more sugars available to the bacteria, the highly specific enzymes in **axphast** speed up fermentation further.

**axphast - unleashing the power of enzymes**

Improving how effectively the fibre in grass is broken down can have huge benefits for fermentation and for how well cows use the silage - and this is where the unique, patented enzymes in **axphast** come to the fore.

The fibre in grass is not readily digestible by rumen microbes because it is tightly bound in bundles. The enzymes in **axphast** are proven to break these bundles apart with two big benefits:

- Breaking down the fibres release sugars which are the fuel for the lactic acid producing bacteria. More fuel means the bacteria can more rapidly deliver the rapid fall in pH needed.
- Once broken down, there is a greater surface area available for attachment by rumen microbes leading to better forage digestibility.
**axphast - increasing forage digestibility**

Independent research at ARINI, Hillsborough clearly shows that *axphast* increases fibre digestibility in the rumen over the crucial first eight hours after feeding, giving an overall improvement on 19% in forage fibre digestibility.

This increases the energy available to the cow and also helps boost the production of microbial protein which is essential for higher yields.

**axphast - improving performance and margins**

Feeding silage made with *axphast* can increase milk yield and constituents which means potentially higher margins and healthier cows through better use of forage.

**Unique HC Technology**

*axphast* is manufactured using our patented HC formulation technology which ensures a more consistently mixed inoculant which retains an effective concentration of bacteria for longer leading to a more even application on the crop.
Biotal's fully researched, registered, globally proven and specific forage inoculants come with the most comprehensive technical support services available to help you get the most from your forage, including:

- Training for contractors or farm staff to ensure best practice use of inoculants
- Advice on cutting date and inoculant choice to help achieve the best fermentation
- Pre-cut grass testing to identify any potential issues that could affect forage quality
- Advice on how to achieve the most effective fermentation
- Forage analysis and review of silage making to identify improvement opportunities

**Together with Biotal’s unequalled technical support and crop and condition specific inoculants you can produce forage that delivers better performance.**