Delivering top quality high dry matter grass silage with reduced spoilage

Unleashing the value of your forage
High dry matter grass silage is particularly prone to aerobic spoilage when the clamp is opened leading to heating, reduced intakes and increased waste due to the activity of yeast and mould.

**axcool** is specially formulated for the rapid preservation of high dry matter grass silage (typically 30-40% dry matter) and the control of yeast and mould.

**The result – better preserved, more stable, higher producing silage.**

Yeast growth uses valuable grass silage nutrients. It also creates ideal conditions for other undesirable micro-organisms, such as fungi to establish themselves.

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**axcool - reducing the activity of yeast and mould**

**axcool** contains the patented bacteria *L. buchneri* 40788 which is the original and most independently trialed bacteria for high dry matter silage.

It produces a number of powerful antimicrobial compounds which are more effective than standard lactic acid bacteria or fermentation acids for the preservation of high dry matter crops. The result is fewer yeast and moulds both before and after the clamp is opened.

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**axcool - reducing heating and waste**

Left unchecked, yeast will use lactic acid as an energy source for growth as soon as air is available. They produce heat, and their activity results in dry matter losses and a far less stable silage. The inhibition of yeast and other undesirable micro-organisms improves aerobic stability and stops forage heating.
Trial results for axcool have shown that L. buchneri 40788 is more effective at reducing heating when compared to untreated forages and competitor treated forages (both chemical and biological).

**axcool - Improving aerobic stability on clamp opening**

Dry matter and nutrient losses in grass silage with poor aerobic stability at clamp opening can be as high as 25%. axcool treated grass silage shows a significant reduction in fermentation dry matter and nutrient losses compared to untreated samples.

The use of axcool reduces clamp dry matter losses by 50% during the storage period. It also improves aerobic stability, further reducing dry matter loss on the clamp face and clamp surface during feedout.

Greater aerobic stability means grass silage can be fed all year round without waste. This is important for producers who feed a TMR system in spring and summer.

Whatever the season, reduced heating improves forage palatability and animal intakes whilst reducing feed waste. Greater forage intakes will increase animal performance, leading to higher milk yield or liveweight gain.

**axcool - Improving performance**

Feeding high dry matter silage treated with axcool can lead to increased milk yields and quality, leading to improved margins.

**Unique HC Technology**

axcool 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.
When you buy Biotal you get more than just an inoculant.

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.