




PIONEER PRESS RELEASE

Pioneer Hi-Bred Fibre Technology Additives Pushing Silage Quality to New Highs

SOLIHULL, UK, March 31st, 2011 - Following their launch in 2009, the new Fibre Technology (FT) silage additives of Pioneer Hi-Bred, a DuPont business, are proving their real worth with users.

"We are very pleased that, after their introduction two years ago, users of Pioneer's Fibre Technology additives are consistently reporting that their silage is better than ever before", said Andy Stainthorpe, Pioneer UK and Ireland Business Manager.

The three Pioneer Fibre Technology silage inoculants available in the UK have quite simply set **new standards for the performance of silage additives**.

 PIONEER® 11GFT (for grass silage)	 PIONEER® 11CFT (for maize silage)	 PIONEER® 11CH4 (for silages intended for biogas production)
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The unique strains of *Lactobacillus buchneri* bacteria in all three additives are unlike those currently available in other silage additives. The *Lactobacillus buchneri* LN40177 bacteria release enzymes, **including ferulate esterase enzymes** that are able to **decouple the lignified bonds that hold the fibre components of the cell wall together**.

This unique mode of action significantly increases milk and meat production such that users of these inoculants are easily noticing the change in the quality of their silage. In addition to the nutritional benefits the *Lactobacillus buchneri* also improve the aerobic stability of the silages treated through the production of acetic acid and propandiol.

One such user is Mr Paul Gould of J T Gould and Son, Gillingham, Dorset. Paul has used Pioneer® brand 11GFT on his grass silage since 2009. After the first year of use, Paul commented "I'm really pleased with the overall fermentation quality and having always attempted to make a high dry matter grass silage with a competitor's product but always struggled to stop the secondary fermentation. 11GFT has kept the clamp face cool this year which has helped to raise intakes and overall herd performance".



Paul's silage analysis from his 2010 11GFT treated silage, as analysed by BOCM Pauls.

Parameters	Results
Dry matter	30.9 %
Protein	17.9 %
Metabolisable Energy (MJ ME / kg)	12.3
Effective Fermentable Metabolisable Energy (MJ ME / kg)	8.8
D-Value	77 %

In March of this year Paul reaffirmed his satisfaction with 11GFT saying "I remain very pleased with the effect 11GFT has had on my grass silage. The silage is very stable and the dairy cows silage intake continues to be better than expected".

Further information on Pioneer Fibre Technology silage inoculants products is available at the Pioneer UK & Ireland website, www.pioneer.com/uk.

Pioneer Hi-Bred, a DuPont business headquartered in Des Moines, Iowa, is the world's leading developer and supplier of advanced plant genetics, providing high-quality seeds to farmers in more than 90 countries. Pioneer provides agronomic support and services to help increase farmer productivity and profitability and strives to develop sustainable agricultural systems for people everywhere. Science with Service Delivering Success™.

DuPont is a science-based products and services company. Founded in 1802, DuPont puts science to work by creating sustainable solutions essential to a better, safer, healthier life for people everywhere. Operating in more than 90 countries, DuPont offers a wide range of innovative products and services for markets including agriculture and food; building and construction; communications; and transportation.



Science with Service
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