PRESS RELEASE

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AB Vista unveils industry's first dual action microbiome activator at IPPE

A breakthrough dual action product, designed to accelerate the development of a fibre-degrading microbiome, has been launched by AB Vista at the IPPE Expo in Atlanta, USA.

Signis – a unique xylanase and fermentable xylo-oligosaccharide (XOS) combination – accelerates the development of a fibre-degrading microbiome, enabling the fermentation of fibre sources that would otherwise remain undigested, and improving the extent of fibre digestibility earlier in the monogastric life cycle.

At this time, the product is available in North America, Europe, India, Australia and New Zealand.

Dr Mike Bedford, Research Director from AB Vista, explains that the product is a result of years of research looking at the beneficial effects of fibre breakdown products on gut function and animal performance:

"The industry has seen a series of interconnected shifts in recent years, with a reduction in antibiotic use leading to a focus on gut health, which in turn has prompted feed companies to investigate nutritional strategies aimed at stimulating the gut microbiome.

"Over the last six years, through our research we have been observing the connection between the production of certain fibre-breakdown products, the gut microbiome and improved animal performance. What we know is

that certain xylo-oligosaccharides produced by xylanases act as 'signals' for the gut microbes to develop a more effective fibre-degrading capacity over time. This is the core concept behind Signis and where the product derives its name, from its signalling effect."

Signis has been proven to speed up the development of fibre-degrading bacteria in the gut of both swine and poultry. The product contains a combination of a xylanase and fermentable xylo-oligosaccharides, selected specifically for their beneficial effect on hind-gut fermentation.

Dr Bedford outlines the mechanism of action – and explains what this means in real terms for producers:

"Signis works via a dual action: xylanase hydrolyses fibre, increasing fermentability and roughening the fibre surface for bacterial attachment, whilst xylo-oligosaccharides signal to the microbiome to develop its ability to ferment arabinoxylan as fast as possible.

"This signalling results in adaptive changes towards a greater capacity to degrade fibre: effectively, enabling greater diet digestibility by improving the extent of fibre digestibility at a younger age than would normally occur. The end result for producers is improved nutrient digestibility, improved performance and an overall reduction in production costs."

AB Vista's team will be available at Hall A, Booth 949 of IPPE Expo in Atlanta, USA, from 12th to 14th February. More information on Signis can be found at www.abvista.com/Signis

For more information, contact AB Vista on +44(0)1672 517 650 or info@abvista.com. Follow AB Vista on Twitter: @ABVista.

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Notes to editor:

AB Vista is an animal nutrition technology company offering pioneering products and technical services to the global animal feed industry. Since its establishment in 2004, AB Vista has grown to be a top-three player in feed enzymes and is also one of the largest suppliers of natural betaine to the global animal nutrition industry. The company invests heavily in research and development and has a growing portfolio of products and services spanning the poultry, swine, ruminant and aquaculture sectors. AB Vista is headquartered in the UK, with regional offices located in the USA, Brazil, Singapore, Spain, India, China, Germany and Finland.

AB Vista is part of AB Agri, the agricultural division of Associated British Foods, one of Europe's largest food & retail companies with a market capitalisation of £22 billion.

A digital media room containing more information, plus images and videos, is available at https://media.garnettkeeler.com/signis/en/

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