



Release date: 20 November 2018

AB VISTA TO SHARE PHYTASE AND XYLANASE RESEARCH AT POULTRY INDIA

A suite of phytase and xylanase trials to be showcased by AB Vista at Poultry India will reveal new mode of action insights – with the company's technical experts on hand to explain how the results can be translated into improvements across feed strategy design.

The research will be presented in Hall 1: F2-F6 from 28th to 30th November, with Global Services Director Dr Hadden Graham and Technical & Commercial General Manager (India) Dr Dinesh Bhosale available to discuss the scientific theory and related practical applications.

Explaining that the results may have significant implications for enzyme selection, Dr Bhosale outlines a key NSPase research finding:

“In an *in vitro* poultry study, xylanase was shown to increase the capacity of bacteria inside the caeca to digest fibre. This in turn resulted in the production of greater quantities of volatile fatty acids, including butyrate – which is essential for optimal intestinal function.

“These results suggest that the effects of NSPases extend beyond fibre degradation and oligosaccharide fermentation, into long-term physiological changes within the microbiome. Naturally, this knowledge could influence producers' choices of enzyme.”

Mr Bhosale explains that the results of recent phytase trials could similarly impact on ways in which the enzymes are incorporated into performance-based nutritional strategies:

“The practice of using high doses of phytase to break down phytate (IP6) is now fairly commonplace – but we've been delving deeper into the importance of breaking down the lower esters (IP5 – IP1), to enable the digestion of IP1 and subsequent production of inositol.

“This process is critical: our broiler trials demonstrated that one-third of FCR benefit observed with phytase superdosing was caused by inositol provision. Understanding such fine detail empowers producers and nutritionists to make informed decisions when selecting enzymes, to ensure optimum performance benefit.”

In order to help companies understand the phytate levels in their diets, AB Vista has produced the industry's first phytate reference guide. Containing information on phytic-P levels across a range of raw materials, the guide will be available in hard copy form at AB Vista's Poultry India booth, and can also be downloaded at bit.ly/2SZOm9g.

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

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ABV/484/18