

NATURE IS A POWERFUL THING.

ESPECIALLY IF YOU KNOW
HOW TO GIVE IT A NUDGE.

Developing the power to change the status quo is not easy. It's born out of fascination with physiological processes. That leads to discovery and from discovery comes innovation.

Everyone at AB Vista shares that fascination. It's why we go to work. It drives everything we do. It attracts enquiring minds who see things differently. Who are determined to advance energy and nutrient efficiency and lead nutritional science into a new era.

We are constantly searching for that quantum leap, yet are always aware that an aggregation of small steps also brings great progress.

We hope people realise that at AB Vista we see things differently.

www.abvista.com

See us at IPPE Hall B Booth B7963



For further information, please contact info@abvista.com.

Extraordinary science brought to life

REDUCE FEED COSTS THROUGH NIR ANALYSIS

Feed costs account for up to 80% of the variable costs of animal production, and both diet formulation and quality control are a major focus for feed manufacturers and producers in the Americas.



Latin America

Quality control continues to be a top priority, particularly monitoring the variability of metabolizable energy of corn. Variation in energy can have a big impact on formulation costs and animal performance, making continuous measurement important.



Mexico and Central America

With the depreciation of the peso by 40% against the US\$, it has become much more expensive to buy imported raw materials such as soy, corn and sorghum, meaning that the cost-efficiencies associated with accurate feed analysis are a priority.



USA

Current commodity prices should keep the cost of feed price down in 2017; however possible weather events, including a shift from *El Nino* to *La Nina*, could impact feed prices. Furthermore, competition for grain from the ethanol market could result in an overall increase in prices. This, along with significant regulatory changes around feed safety and antibiotic usage, means the US industry will be under pressure to continue to drive efficiency.

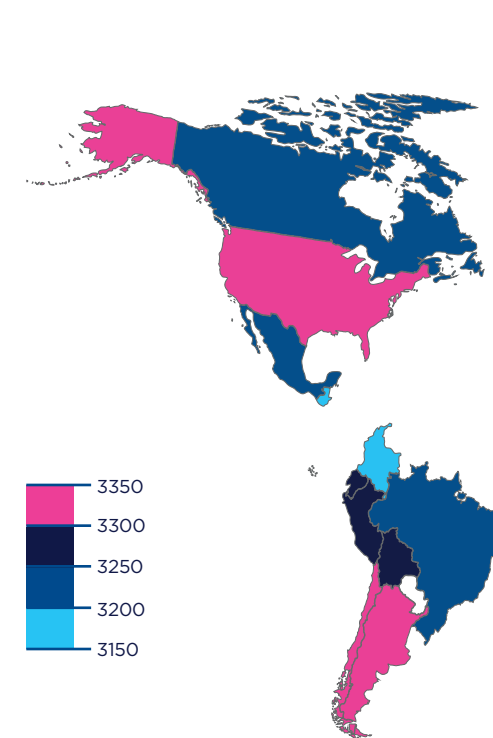
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Economic challenge for feed manufacturers and producers

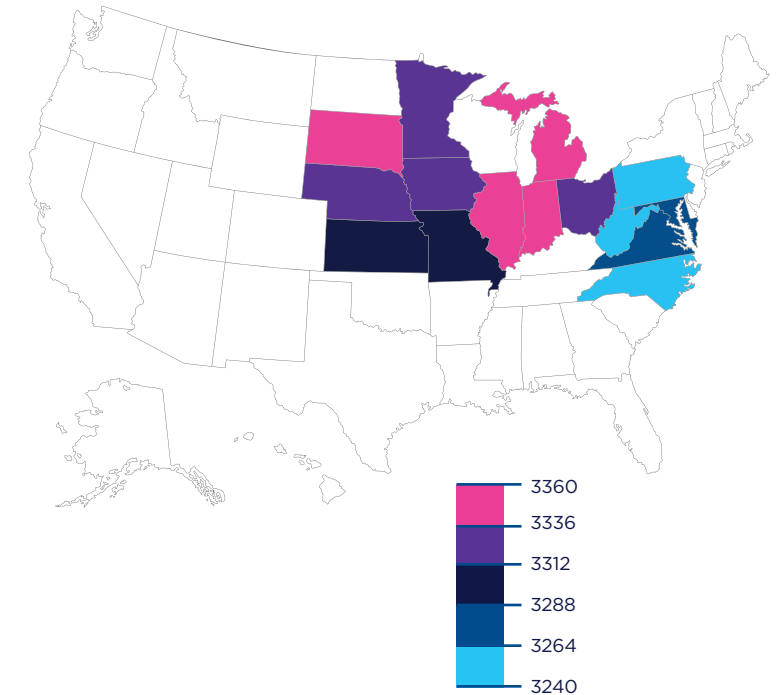
Feedstuff procurement and quality control are a major focus for feed manufacturers. These essential processes require a lot of resource management and constant monitoring and assessment, which all come with their associated costs.

Any deviation from a diet's target specification, which either under- or over-supplies nutrients, will translate directly into economic losses for the producer through higher feed costs or lower animal performance.

Variability in raw materials



Variation across the Americas in average poultry AME in corn (88% DM, kcal/kg) during 2015-2016, with a range of 160kcal.



Variation in the average poultry AME (88% DM, kcal/kg) value of corn samples collected in a 2016 US corn quality survey.

Optimizing diet formulation using NIR analysis

Recent developments in near infrared (NIR) spectroscopy enable extremely cost-effective, near instant, non-destructive on-site analysis, and represent an opportunity for producers to optimize their diet formulation and quality control, whilst saving money.

Currently used for basic raw material and feed quality control, new advances in NIR software and hardware are set to deliver commercially viable systems capable of in-line and real-time monitoring of feedstuff and feed nutrient content and physical characteristics. Losses associated with feed ingredient variability can be reduced, feed formulations can be amended and the quality of completed diets continuously monitored.



FEED QUALITY SERVICE FROM AB VISTA

Defining feed composition and nutritional value

AB Vista's in-house expertise in nutrition, feedstuff quality and NIR (Near Infrared Reflectance) provides you with rapid and accurate predictions of the nutritional components of feed. This information can help you make better raw material purchase decisions and formulate feeds closer to specification.

The Feed Quality Service covers a broad spectrum of raw materials and feeds to help you monitor variability and control quality.



Unlock greater returns from feed formulation

Recent advances in NIR technology will allow the industry to better understand the variation within and between feedstuffs, helping support more accurate formulation decisions and enhancing the efficiency of the feed formulation process.

Whilst NIR has been used in traditional 'proximate analysis' for some time to measure components such as fibre, protein and moisture, this has recently been extended to include phytate, energy and reactive lysine - measurements of which are unique to the FQS.

At a time when feed production makes up to 80% of variable animal production costs, such developments have real potential to optimize rations - and feed efficiency, according to Dr Hadden Graham, Global Technical Director at AB Vista.

To learn more about unlocking greater returns from feed formulation, scan the QR code to watch Dr Graham's video.



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