12th – 13th December 2018

Hilton Miami Downtown

CONFERENCE GUIDE

Gold Partners

Silver Partner

Bronze Partners
CALSPORIN® - THERE ARE GOOD REASONS TOP COMPANIES USE IT

The leading probiotic has proven performance worldwide.
Look to QTI for leading gut-health products, used with or without antibiotics.
Call to see the research!

QTITechnology.com | 847-531-2819

PROVEN TECHNOLOGY
PERFORMANCE. HEALTH. FOOD SAFETY.
Welcome to Feed Additives Americas!

Welcome to Feed Additives Americas! We are delighted you could join us in Miami for two days of learning and discussion about the biggest issues facing the feed additives industry. By attending, you are bringing your knowledge and expertise to the conference and we hope you benefit from sharing ideas and meeting new contacts.

While speaking to attendees at our recent European event in September, it became clear that many see our industry as under threat. A combination of shifting consumer demands and new technology have many firms thinking about the steps they must take to secure the long-term sustainability of their business. But before that, there are many more pressing day-to-day concerns and the threat of a sudden market disruption – from African Swine Fever to political instability and trade wars – to contend with.

However, with threats come opportunities! Feed Additives Americas aims to help you prepare for both the near and long-term and more importantly, offer insight and guidance to help you take advantage of these opportunities.

Over the next two days, our international line-up of speakers and sponsors will share their expertise with you and comment on all the major issues affecting the animal nutrition industry. During the past 12 months, I have consulted with hundreds of industry experts to ensure this event meets your needs and expectations. I would like to thank those who took the time to provide us with their thoughts, ideas and opinions to make this event interesting and relevant for the industry as a whole.

Feed Additives is an interactive experience so please do take the opportunity to ask our expert speakers as many questions as possible throughout the conference – you can even ask your questions anonymously using our app. The conference app also contains the attendee list and a messaging service, helping you to take advantage of the networking time and develop relationships with old friends and new contacts.

On behalf of the entire Feedinfo News Service team, I would like to thank you for your participation, and I hope you enjoy the conference.

Olympia Theocharous,
Head of Event Content
Feedinfo News Service
AGENDA – DAY 1

WEDNESDAY 12th DECEMBER

8:45am Registration & Networking
Breakfast

9:30 Chair’s Opening Remarks
Emma Penny, Managing Director,
Feedinfo News Service

9:45 KEYNOTE ADDRESS:
Economic Trends – The Renormalization of Agriculture
Reviewing the changing demands for uses of agricultural commodities and the impact on the livestock value chain for the near and long term future
Michael Swanson, Ag Economist – Senior Vice President, Wells Fargo Bank

10:20 VIEWS FROM FEEDINFO:
Disruptors in the North, Central and South American Markets
Feedinfo News Service’s Editor presents an overview of the years key stories and emerging market dynamics for the future
Shannon Behary, Editor, Feedinfo News Service

10:50 Current Market Trends in the Americas: Feed Additives and Feed
Examining trends impacting the industry
Dirk Jan Kennes, Global Strategist, Farm Input, Rabobank

11:25 Networking Break

12:00 FEED ADDITIVES LEADER PANEL: North, Central and South America
Keynote panel discussion in which industry leaders set out the long-term priorities for the sector
MODERATOR: Raj Kasula, Technical Consultant, Ridley Inc and Former Executive Member, World Poultry Science Association (Singapore Branch)

12:45 Analyzing the Animal Protein Ingredients Market in the Americas
• Current market trends
• What is the future of animal protein ingredients?
David Meeker, Senior Vice President, Scientific Services & Regulatory Affairs, National Renderers Association

1:15 Networking Lunch

1:35 URNER BARRY LUNCHTIME BRIEFING: US Poultry Market Overview
An optional session focusing on poultry markets and trends
Led by Russ Whitman, Senior Vice President, Urner Barry

2:30 FEEDINFO EXCLUSIVE INSIGHT: Vitamins and Amino Acids Market Outlooks
Feedinfo News Service’s Lead Analyst presents the latest data from our price index and shares observations on pricing trends
Martijn de Coq, Lead Analyst, Feedinfo News Service

3:10 FEEDINFO EXCLUSIVE INSIGHT: Feed Phosphates and Copper Sulphate Market Outlooks
Feedinfo News Service’s phosphate analyst provides a pricing update for feed phosphates and copper sulphate
Janos Gal, Senior Analyst, Feedinfo News Service

3:40 Networking Break

MARKET INFLUENCERS

4:10 Meat Markets and Trends
• Factors influencing meat markets
• What will the future of food look like?
Kevin Good, Vice President, Industry Relations and Analysis, CattleFax

4:40 Political Developments in South America and their Impact on the Industry
Political decisions impacting agricultural markets
Antonio Quintanilla, Coordinator, Political Analysis Unit, Prospectiva Consulting

5:10 CLOSING KEYNOTE ADDRESS: Trade Laws and their Impact on Agricultural Products
Looking at changes to trade laws globally and how these impact the markets and legislation in North, Central and South America
Kevin Roepke, Regional Director – Americas, U.S. Soybean Export Council

5:45 Chairs Closing Remarks and End of Day

5:50 DRINKS RECEPTION
Join us at the Hotel Pool for the evening networking reception
12th – 13th DECEMBER 2018
HILTON MIAMI DOWNTOWN

AGENDA

AGENDA – DAY 2

THURSDAY 13th DECEMBER

8:30am Registration & Networking Breakfast

9:00 Chair’s Opening Remarks
Emma Penny, Managing Director, Feedinfo News Service

9:15 REGULATION PANEL DISCUSSION: Product Approval Processes from Across the Region
- New procedures and policies being implemented across the region
- How manufacturers can drive efficiencies in the product approval processes
Moderator: Robert Geiger, 2019 President, AAFCO
Manuela Schuttel, Regulatory Affairs Coordinator LatAm, BIOMIN
Daniela Solomon, Regulatory Affairs Manager, Novozymes North America
Hannah Lester, Scientific Director, Pen & Tec Consulting

10:15 Increasing Cattle Feed Efficiency through Additives
Evaluating the research into how feed additives can improve cattle feed efficiency
Darren Henry, Assistant Professor, Department of Animal and Food Science, Texas Tech University

10:45 Networking Tea & Coffee Break

11:30 SWINE RESEARCH: Perspectives on Feed Additives for Swine
Reviewing the solutions that feed additives could provide to the swine industry
Jerry Shurson, Professor, Department of Animal Science, University of Minnesota

12:00 POULTRY RESEARCH: Gut Health Additives and their Impact on Overall Animal Health
- Advancements in the research of gut health
- Examining developments in the field of enzymes
- Exploring probiotic potential for animal feed
Samuel Rochell, Assistant Professor, University of Arkansas

12:30 The Road Towards the Research and Development of Alternatives to Antibiotics in Animal Agriculture
Scientific review of the advancements in utilising feed additives and other nutritional products in antibiotic free farming
Hyun Lillehoj, Senior Research Immunologist, Agricultural Research Service, United States Department of Agriculture (USDA)

1:00 Networking Lunch

1:20 LUNCHTIME BRIEFING: African Swine Fever
An optional session providing a scientific update on African Swine Fever
Led by: Jerry Shurson, Professor, Department of Animal Science, University of Minnesota

2:15 INTEGRATORS PANEL: Challenges for the Industry and Looking to the Future
- What are the biggest challenges currently facing integrators?
- What has been the impact of antibiotic legislation?
- Do antibiotics still have a place going forward?
- Where do integrators see the business of food going?
Terry Coffey, Chief Science and Technology Officer, Hog Production Division, Smithfield Foods

3:00 PANEL DISCUSSION: Testing and Selecting Feed Ingredients
- What are the priorities and challenges for feed formulators in different livestock markets?
- How do nutritionists decide which feed additives to purchase?
- Different strategies to evaluate the effectiveness of new technologies
Ronald Scott, Director, Beef Technical Innovation, Land O’Lakes
Phil Smith, Senior Nutritionist, Tyson Foods

3:30 Networking Break

4:00 How Digital Innovation could Impact the Industry
Reviewing how advances in technology could help progress the value chain
Rob Dongoski, Partner, Agribusiness Leader, EY

4:30 CLOSING KEYNOTE ADDRESS: How Regional Consumer Opinions Influence the Sector
- Do animal nutrition and feed choices impact the decisions retailers and restaurants make when purchasing meat?
- How is farming changing to meet the needs of consumers?
- At what rate is increasing consumer knowledge of sustainable farming influencing buying habits?
David Fikes, Vice President, Communications & Consumer/Community Affairs, Food Marketing Institute

5:00 Chairs Closing Remarks and End of Conference

#FeedAdd18
How to use the conference app

All attendees are invited to download the Feed Additives Americas 2018 conference app, which allows you to:

- Access the full attendee list
- Follow the presentations live and view the slides on your mobile device
- Send messages and set up meetings with other attendees
- Put your questions to speakers live, while they are still on stage
- Plan your own personalised conference agenda
- Follow Feedinfo’s live coverage of the conference on Twitter using the hashtag #FeedAdd18
- Discover more information about the venue and Miami during your stay

How to access the app:

1. Search for ‘Feed Additives 2018’ in the Android or Apple app store, or access it through a web browser at https://feedadditivesam.zerista.com
2. Enter the email address you purchased your ticket with. If you have used the app before and cannot remember your password, you can reset it in the app or visit the registration desk where you collected your badge for assistance
3. Use the menu at the bottom to navigate through the app:
   - To message another attendee, first select their profile from the ‘Attendees’ tab, then select ‘Message’
   - To view presentations, go to the ‘More’ tab and select ‘Agenda’. Within each session you will find details of the speaker and, where available, a PDF copy of their presentation. Please note, not all speakers are able to share their slides
   - To ask questions during the presentations, select the ‘Sli.do’ button and type your question

If you require assistance at any time, please visit the registration desk or speak to a member of the Feed Additives team
MiXscience, an innovative company with expertise in nutrition and animal production develops differentiated products and services for sustainable farming:

- Food and feed chain value organization
- Animal health & nutrition expertise
- Production of premix and innovative feed solutions
- Specific galenic know-how
On 26-28 September 2018 Feedinfo News Service hosted Feed Additives 2018, its second annual flagship event for executive leaders in the animal feed and nutrition industry. Across three days more than 350 attendees from around the world came to Amsterdam to discuss market trends, innovations, scientific advances and regulations that will define the sector in the coming years.

THE ADDITIVE PRODUCERS’ VIEW

ANIMAL nutrition companies need to be closely monitoring global trade discussions or sudden market disruptors such as African swine fever, and how the resulting volatility swings can have multiple impacts across the chain - from currency exchanges, to economic sanctions and export bans, to possible disruptions in feed additive company innovation. These are worrying issues for all players in the animal nutrition segment wanting to become more resilient.

During the Feed Additives Leaders Panel discussion, participants Patrick Charlton (Vice President, Europe, Alltech), Andre Bos (President Global Products and Strategic Alliances, DSM), Stefaan Van Dyck (President, Kemin Europe) and moderator Martijn Adorf (Managing Director, Terra Nova Life Sciences) discussed these issues as well as some other challenges and opportunities that are poised to impact the animal nutrition sector in the coming months.

The panellists agreed that digitalisation and automation will be of great help in value-added feed additive development and we can expect progress in this domain in the next year, thanks to the strides made in AI, robotics, blockchain and big data.

“Transparency will be much more visible and have an impact on quality in the value chain. Consumers will know exactly what ingredients were used” said Van Dyck. “For feed additive companies, our products add to the food safety criteria required. Feed hygiene and safety will be more easily integrated moving forward.”

“If you’re not talking to the food producers or retailers, you risk them not seeing the added value of your product. It will be lost in the shuffle”, added Charlton.

“End consumer knowledge of our products is also improving. They are important allies if we want to grow our businesses” Bos pointed out. As an industry we need to step up our efforts in terms of innovation, the panellists said.

“We’re not so consistent in pushing innovations through the system” Bos commented. “We need to remedy the speed of innovation in our sector” he added, urging colleagues in the industry to continue to invest in R&D and sustainability despite the various hurdles. But Van Dyck, Bos and Charlton all singled out evolving regulation as possibly the main barrier or challenge moving forward, especially at European level as product dossiers are getting more complicated.
Additional sciences such as genetics have to be taken into consideration but probably don’t always work in a product efficiency context” Van Dyck commented. “The current set of rules is indeed a challenge.”

“The industry needs to be careful of what it asks for when it comes to health claims” added Charlton. “You have a responsibility to back them up.”

THE CUSTOMERS’ VIEW

SOME of the biggest customers of feed additives dangled a tantalising, but challenging prospect to their suppliers: strategic partnerships with select suppliers, but ones involving deep commitments to joint research and properly coordinated efforts.

At the heart of this is a key idea, expressed by panellists Jim Shepard from poultry integrator Wayne Farms and Omarh Mendoza from pork integrator The Maschhoffs: customers need these feed additives tested under their conditions. There is no getting around the need for personalised research. “I need more and more research, not with breeds or bird sizes I don’t have. You need to come in and research with me because my diets may have peanut meal, more or less canola, more threonine or lysine, or a breed you haven’t tested,” explained Shepard.

Naturally, this requires significant resources—from both sides, Shepard observes, not simply from the supplier’s side; for example, the plant visits and audits conducted every three years of key suppliers require investment from Wayne Farms as well. However, this is only natural, from the point of view of the customer. As Mendoza explained, they’re also putting up money for technical staff “and if I’m putting a feed additive in five million pigs, if it’s not going to work, it’s very risky for business”.

In the view of the third panellist, Yoram Knoop, CEO of international feed company ForFarmers, this is representative of a paradigm shift. “For a long time I felt this was a commodity business; now I feel we’re going through a deep decommoditisation of the business. They don’t all want the same [product].” he said.

But of course, this does not only mean extra costs, but also significant opportunities for the industry. “The time that an additive had to do everything [i.e. be the best on cost and best for animal health and best for sustainability] is over,” he said. Now, the challenge is matching the right additive to the right opportunity.

Happily, the feed additives’ customers explain, there are a great many things the additives producers are getting right. Shepard points out that the switch of large percentages of his flocks to antibiotic-free production was remarkably painless thanks to the quality of the non-antibiotic interventions the feed additives industry was able to provide. “We’ve treated less than half a percent; if we do have necrotic enteritis, we’ve learned to treat it otherwise.” He cites essential oils, probiotics and prebiotics as some of the most potent tools in his arsenal.

Of course, there remain challenges which the industry must keep in mind. Overstimulation of the gut is something Shepard is keeping his eye on, while Mendoza emphasizes that consistency of results is something that swine additives in particular must be attentive to. And both American integrators are concerned with the availability of labor, and interested in solutions which lend themselves to automation.

Still, warns Knoop, it is a changed world. As he put it, it’s no longer possible for a feed additive company to secure a sale because a customer likes the look of the salesman, or because of a years-long relationship. Now, you have to have research and evidence-tested solutions.

M&A AND INVESTMENT

FURTHER industry consolidation can be expected in the global feed, premix and additive sectors in 2018 and 2019. Providing an overview of animal nutrition mergers and acquisitions, Simon Duke, Editor-in-Chief of Feedinfo News Service, said M&A patterns will continue to reflect current industry trends.

Generally-speaking, animal nutrition companies want to reduce their reliance on complete feed and premix, and most investments and acquisitions are geared towards high growth segments.

Obvious areas of focus are natural or bio-based inputs, alternative ingredients, aqua feed, animal health or even information technology. But Duke pointed out that when looking at the global picture for animal nutrition, some of the same trends as in human nutrition can be noticed. Much like human nutrition, animal nutrition customers are becoming even more health conscious and are increasingly looking for organic ingredients as well as antibiotic-free and non-GMO products.
“We must not underestimate the cross-selling that exists within some companies who cater to both animals and humans. Some companies have a human nutrition segment, and those without, may eventually want one too.” According to Duke, this is reflected in the strategies of various large industry players.

In a separate presentation, Maarten Goossens, Co-founder and Principal, Anterra Capital stated venture capital invested in the agricultural biotech space amounted to $10.1 billion in 2017.

According to Goossens, big investors who have looked at farming are now increasingly interested in the food industry. Large scale funds are very active. On the biotech side, companies working in “meat without farms” (e.g. Memphis Meats), “fish feed without fish” (e.g. Ynsect), or “animals without antibiotics” (e.g. Ascus Biosciences) are all garnering significant interest. On the digital side, companies exploring the themes of “farms with robots” or “testing without labs” are also growing in importance.

“Advancements in biotech will lead to shifting profit pools with new products emerging. And digital will offer full service solutions in the future” Goossens commented.

Looking more specifically at alternative proteins, Goossens told the audience that the space continues to grow and must not be overlooked. “It will become mainstream sooner than you think” he said, mentioning that fermentation-based and cell-based meats will be on the market in the coming few years, especially now that traditional meat companies are providing financial and strategic support.

“We believe there’s a lot of opportunity in the health, genetics and specialty feed areas” he added.

However, Goossens warned of the need to remain alert: “New competitors have arrived that could disrupt your business model” he said, referring to the role e-Commerce will have moving forward, or new ag-tech startups offering new technologies which will result in new income streams and the removal of old barriers to business.

He concluded by saying that the sector must consider that the next generation of animal nutrition customers are Millennials and will want a different experience.

THE ROLE OF CONSUMERS

UNDERSTANDING the context for industry investments requires a deep understanding of the macro-economic fundamentals and the consumers you ultimately serve, argued keynote speaker Professor David Hughes from Imperial College London.

In his view, Asia and Africa will be the main food markets moving forward as their populations will rise significantly. And we can expect an ongoing fight for market share between industrially produced chicken and fish. But China will also continue to drive food production worldwide as its top tier cities further drive economic growth and are hubs of consumer spending. China is expect to import 6 million tons of meat by 2020, said Prof. Hughes, citing Rabobank data.

However, looking at recent FAO figures, Prof. Hughes pointed out that agricultural production is forecast to decline in the high population growth areas such as Africa and Asia and said that there is either a huge potential to boost production in these regions or on the contrary this could be good news for some big commodity traders. “It will most likely be a combination of both” he commented.

Food consumption trends also vary per geography, he said, listing consumer preferences in various countries. For instance, what shoppers’ value in meat differs per country e.g. Chinese demand for chicken wings is huge with prices seen higher than for chicken breasts in some retail outlets.

But industrial food production in developed countries faces the same challenges on a global basis. It is increasingly catering to a younger generation of consumers, the rise of the single person household, the need for a plethora of food and protein choices, flexitarian diets, cultured meat, and the natural food trend, or how to reach consumers who are opting more and more food “on the go”.

“[Alternative proteins] will become mainstream sooner than you think”
Maarten Goossens, Anterra Capital
European producer of esterified MCFA’s

Providing sustainable solutions for future challenges

PORCESTIN

OPTIGUT

For a reduced use of antibiotics and an optimal growth.

More information?
animalhealth.proviron.com
or contact animalhealth_US@proviron.com
Ludger Rolfes, Division Director, Animal Health & Nutrition Research at Produkt + Markt explored these trends further, presenting the results of a survey involving around 400 German consumers and 400 UK consumers.

Generally speaking, consumers are a lot more interested in animal welfare, environmental issues and food safety.

The survey showed that consumers are hardly aware of the benefits of feed additives. Less than 3% of those surveyed said they were knowledgeable about feed additives. “The feed additive industry should communicate more directly with the consumer” Rolfes commented.

The general lack of consumer awareness may come as a shock to the animal nutrition industry. But at the same time, it’s no real surprise that the larger restaurant chains who track consumer behaviour are not too involved in developments at feed additive level either, or at least not yet.

Jeroen Dekkers, Supply Chain Manager, and Floor Uitterhoeve, Manager Sustainability, at McDonald’s Netherlands told the audience that McDonald’s – the biggest buyer of beef worldwide – expects sustainable protein programmes from their meat suppliers and is eager to stay informed about best feeding practices and the benefits of feed additives.

For instance, 65% of soy in the feed of broiler chickens for McDonald’s European markets is certified by RTRS or ProTerra.

However, Dekkers admitted that McDonald’s is lagging behind in terms of some sectoral changes and innovations such as non-meat hamburgers, or algae.

“It is important to focus on joint innovation and implementation” added Uitterhoeve. “We need to stimulate and endorse innovation from the ground up.”
A specialist consultancy with 18 years’ experience advising companies on the regulatory requirements for the food and animal feed industry in Europe, USA, South America and other major markets.

Pen & Tec works closely with trusted international partners to obtain market authorisations for food and feed ingredients globally.

YOUR REGULATORY PARTNER FROM CONCEPT TO APPROVAL

Tel +34 936 758 015
www.pentec-consulting.eu
info@pentec-consulting.eu
It is my great pleasure to welcome you to Feed Additives Americas 2018, an event designed to meet the needs of the feed additives, premix and compound feed sectors.

Over the next two days, you will discover more about the market challenges and opportunities of today and tomorrow, and how feed additives will play a part in providing solutions along the way. I hope you learn about new industry trends, sub-trends ready to emerge, and go back home with a clearer vision of what is in store on the road to 2050.

This conference addresses some of the opportunities ahead, but it is also an opportunity for you to reflect on and discuss among yourselves the backdrop and implications of some industry-wide developments which Feedinfo has helped bring to readers’ attention in recent months.

In vitamin markets, volatility may be offset somewhat by the lifting of BASF’s force majeure, but other issues make the pricing environment unpredictable too, like the EU’s recent reticence about vitamin B2 (80%) produced by Bacillus subtilis KCCM-10445, or Chinese suppliers having to scale back or stop production due to environmental reasons.

In amino acids, markets seem stable, but the oversupply situation is still here, and we have seen Asian manufacturers taking extra steps in their focus on specialty amino acids which are high-value-added products that can be sold at higher prices.

A fair amount of company expansions and consolidation took place too, as we reported on new animal nutrition production facilities and a wave of M&A activity, with ADM acquiring Neovia for €1.5 billion being one of the significant stories of the year.

That is the recent past, but we wonder ‘what will the animal nutrition industry look like in 2050?’

At the 32nd edition of Feed Additives Americas, we could be living in a Matrix-like society, where advancements in artificial intelligence and nanotechnology would make it possible to plug our brains into computers and live in a simulated world, where we could start using robots to do work at the factory.

We could rely entirely on renewable energy by 2050 and smartphones could be obsolete. But in short, there is no way to tell, so you can sit back, relax, and enjoy discovering the future as it unfolds. Or you can seek to play a part in shaping that future. As a pro-active member of the animal nutrition community, it is your duty to help address today’s challenges and tomorrow’s needs. Think of Feed Additives Americas as a chance to engage in the debate.

The main driver is, of course, feeding the 9bn plus humans who will be living on Earth in 2050 by doubling the amount of food available, and doing so sustainably and responsibly. But when it comes to animal protein, it is easier said than done.

“The question of how we will feed more than 40bn-head of livestock and poultry by 2050 still elicits a wide-range of responses from shock to disbelief and even environmentalist disgust. The one that goes ‘if cattle were a nation, they would rank third behind China and the United States among the world’s largest greenhouse gas emitters’ in particular leaves me stupefied.

Regardless of one’s reaction, the reality is that, based on OECD and FAO projections, meat consumption per person will rise from about 34kg/person in 2015 to 49kg/person in 2050. But is it also safe to assume that feed demand, and by extension feed additive demand, will keep on rising to keep up with global livestock, poultry and aquaculture production?

The animal nutrition industry in 2050

Simon Duke
The future will see animal nutrition tackling new paradigms as our industry seeks to tackle the low-cost feed formulation/best-performance conundrum, while increasing their awareness of society demands, with a view to providing transparency on how animals will be fed.

In other words, feed conversion will continue as an important driver, considering that better feed conversion is related to less feed and water consumption, better feed digestibility and less excretion, or less pollutant elimination. However, we will be more focused on final economic results.

Also, customers and consumers will increasingly focus on feed safety, animal welfare and sustainability considerations.

Sophisticated analytical models will be used, not based on least cost feed formulation, but based on best economical feed formulation, where environment, strains and production proposals will be taken into account, besides the usual knowledge of animals’ requirements, nutrients and energy composition of ingredients.

In terms of feed additive demand in 2050, anyone pretending to have answers is either a charlatan or a prophet.

My colleague Martijn de Cocq, who is Lead Analyst at Feedinfo News Service, knows you cannot predict prices so far ahead. But he is sure demand for feed additives in terms of volumes will keep on growing in the coming decades, in line with global feed consumption.

Right now, he says the oversupply situation for some amino acids is not without its challenges, and we have seen massive volatility and price increases over the year for vitamins, but in many cases, prices are declining again. And another member of the Feedinfo team Janos Gal (Senior Analyst, Feed Phosphates and Copper Sulphate) argues we can also expect significant developments in the feed phosphate markets in the foreseeable future, given that a lot has changed in the past year, as we have seen with plant closures, consolidation and unexpected price increases.

**PRICE LEVELS**

‘What price levels will there be and when?’ are the questions Feedinfo seeks to answer, thus enabling companies to stay on top of those developments and see what supply and demand ratios are going to look like.

The year 2050 will come very fast and your customers will not wait 32 years to have their demands met. So, in that sense, 2050 has already arrived and the animal nutrition industry will need to move fast and be bold. We hope the forward-looking information learned at Feed Additives and its subsequent editions will guide you into a somewhat clearer and less risky future.
Emma Penny, managing director of Feedinfo News Service, which is organising this Feed Additives event, explains how both the service and conference content are driven by your requirements.

**Feedinfo: Working with you**

On behalf of all of my colleagues and myself, a very warm welcome to Miami and to the Feed Additives Americas event. I hope that you have a most enjoyable and informative two days hearing from thought-provoking speakers and networking with friends and colleagues across the industry.

Having recently been promoted to managing director of Feedinfo News Service, I thought it might be useful to give you some insight into how we work and the changes we have made as a result of some of the things you and our other customers have asked for.

This event, and everything we do, is driven by what previous delegates, potential visitors, industry specialists and current customers would like to hear about or read. We spend a lot of time speaking to people individually, canvassing opinion, understanding what you want to know, who you would like to hear from, and then combining all of that into delivering events such as this – and into driving the future direction of our web service.

The need to understand our customers’ challenges and requirements, and then to deliver what’s required, is a core focus of our parent company. Feedinfo News Service is part of Agrifbriefing, a global agribusiness media and intelligence company which is headquartered in London. Currently, more than 500,000 agribusiness professionals across 150 countries rely on our information services to make business decisions worth hundreds of billions of dollars across the entire value chain.

Besides the Feed Additives events and Feedinfo News Service, our portfolio includes the US-based protein and seafood price reporting service Urner Barry, the global food and beverage newswire FlexNews, UK-based farming titles Farmers Guardian, Arable Farming and Dairy Farmer, events such as The British Farming Awards and the CropTec exhibition, and the subscription commodities news and analysis service Agrimoney.

Agribriefing’s brands meet the need for more transparency and trusted pricing benchmarks in the vital agribusiness sector, with live price reporting, as well as news, analysis, professional networks and events and market data. Feedinfo, which is an important part of the portfolio, aims to deliver all of those, with this week’s Feed Additives event being a crucial networking event for the specialty feed industry.

Events such as this, as well as the breadth and depth of information on Feedinfo, are driven by what you – and all of our audience and subscribers – tell us you would like to know about. Our team of conference producers and customer engagement specialists have spoken to a great number of you to ask what you would like to know more about, what we should focus on, which ingredients or sectors you think we should cover next.

On Feedinfo News Service, these are some of the things you told us you would like more of, and we have worked to offer even better value to customers:

- More pricing coverage – we have recently launched new price indices for Biotin, D-Calpan and L-Valine;
- More feed phosphates pricing coverage;
- Pricing for copper sulphate, plus other metals which impact on the feed industry;
- Coverage of the phytase market;
- Country-by-country livestock population and compound feed use statistics;
- More on eubiotics and probiotics;
- More on new technology and innovation;
- Insights into key issues, covering more topics in-depth;
- Latest shipping news, covering the impact of shipping on the market;
- More scientific reports and conference proceedings;
- Expanded coverage of the aquaculture sector;
- More Americas editorial coverage – starting with this conference

Each of our Feed Additives events is individually researched to ensure it is covering the most important topics for that particular market – so if you come to Feed Additives Americas, you will hear speakers tackling issues specifically asked for by feed industry professionals in North, Central and South America, and not a repeat of our other events.

We are always pleased to receive feedback, and work hard as an organisation to make sure we act upon it. In common with all of our events, we will be seeking your feedback and suggestions to help make our next Feed Additives event even better, and in addition, I am always pleased to hear what you think or talk about some of the other brands in our business – my email is emma.penny@agribriefing.com. I look forward to meeting you over the next few days and hope you find this event informative and enjoyable.

“The need to understand our customers’ challenges and requirements, then to deliver what’s required, is a core focus”

Emma Penny
News, pricing & premium market intelligence for the global feed and feed additives sector.

Feedinfo is the world's leading provider of business and financial information for global corporations serving the agribusiness, feed additives and biotechnology sectors, with special insight into the animal nutrition and animal health industries.

Recognized for its accuracy, integrity and independence, Feedinfo News Service provides in-depth analysis, breaking news and benchmark pricing data.

To sign up for a trial to the service visit marketing.feedinfo.com

Contact us for more information +44 (0)207 202 0900

Please visit the Feedinfo News Service exhibition booth to talk to your regional account manager

@FeedinfoNews

https://www.linkedin.com/company/feedinfo-news-service
LUIS AZEVEDO
Luis Azevedo is currently serving as Executive Director, Business Development with Novus International, Inc. Prior to this role, Luis was accountable for Novus nutrition & health through nutrition business in Latin America and Africa. A doctor in veterinary medicine from the Universidade Federal do Parana in Brazil, he has an MBA from the prestigious Olin School at Washington University in St. Louis. He lives with his family under the spectacular sky of Campinas in Brazil.

SHANNON BEHARY
Shannon has covered the animal nutrition industry for Feedinfo since 2015 from the company's headquarters in Toulouse, France. Originally from the US, she grew up in north Idaho and graduated top of her class at the University of Oklahoma.

ANDREW CARLSON
Andrew Carlson is vice president of Global Feed Additives & Ingredients at Archer Daniels Midland Company. In that position, he is responsible for global strategies and growth for the company’s feed additives and ingredients business.
Carlson, who also serves as vice president for ADM’s bioactives business, joined the company in 2017 after six years in DuPont’s industrial biosciences unit. He holds bachelor of arts in law and society from the University of California in Santa Barbara, as well as master’s degrees from Indiana University, Purdue University, and Lund University in Sweden.

TERRY COFFEY
Dr. M. Terry Coffey received his B.S. in Agriculture in 1975, M.S. in Animal Science in 1977, and Ph.D. in Animal Science/Nutrition in 1981 from the University of Georgia. After graduation, he joined the faculty of the University of Florida’s Department of Animal Science.
In 1984 Dr. Coffey moved to North Carolina State University’s Department of Animal Science where he developed a program focused on research in nutrition.
Dr. Coffey joined Murphy Family Farms in 1991 and served in various capacities. Following the acquisition by Smithfield Foods, Dr. Coffey was named President of Murphy Farms and in 2011 was named Smithfield’s first Chief Science and Technology Officer. He is responsible for the company’s nutrition programs, veterinary diagnostic and vaccine laboratories and R&D.

MARTIJN DE COCQ
Martijn graduated with a Bachelor degree in 2002 as a logistics engineer from the University of Amsterdam. Since 2004, Martijn has been active in various purchasing, sales and trading roles around micro feed ingredients, working mainly with amino acids and vitamins. He has built up a lot of experience with the premix and compound feed industry as well as direct sourcing of amino acids and vitamins from several regions, but with a focus on Asia.
Prior to joining Feedinfo News Service, Martijn worked at Cargill Animal Nutrition as a trading lead for feed ingredients, specialized in amino acids and vitamins.
ROB DONGOSKI
Rob leads EY’s Agribusiness sector globally and focuses on strategy, innovation and M&A for many of our clients in the Agribusiness and Food sectors. He also serves as the lead partner on several global accounts ranging from seed/chem, Agri-retail, grain processing, and meat processing.
Rob’s experience ranges from growth strategy to operating model design to digital innovation across the Agri value chain. He works directly with client executives in the design and implementation of the appropriate operating model for their business, including strategy, marketing, digital agriculture, and operations. He has also worked to foster innovation and digital adoption across the industry with corporate clients and their investors.

DAVID FIKES
David Fikes is Vice President, Communications and Consumer/Community Affairs for Food Marketing Institute, the trade association for supermarkets, grocery stores and all venues of food retail. His areas of responsibility - which embrace consumer research, animal welfare issues and overcoming the challenges of truly communicating - all feed his fascination with people and deepen his curiosity about how we think, feel, interact and convey our values.
Prior to entering the world of food trade associations, David worked for 20 years as an Episcopal priest, serving parishes in Georgia, Tennessee and Texas.

JANOS GAL
Janos Gal has been an analyst since 2008. He holds an honours degree in Journalism from Edinburgh Napier University. He has worked in the price reporting industry, covering various fertiliser and chemical markets for eight years. He has covered the hydrochloric, phosphoric and sulphuric acid markets for three years, as well as the sulphur and phosphate fertiliser markets for an additional three years along with plastics, paints and rubber for two major price reporting agencies. He started working at Feedinfo in February 2017 and has since researched and launched the feed phosphate, phytase and copper sulphate reports. He has also written several livestock and compound feed analyses, as well as one-off articles about various feed additives.

ROBERT GEIGER
Bob graduated from Purdue University with a B.S. in agriculture in 1978. Shortly thereafter, he began his career with the Office of Indiana State Chemist as a field inspector. In 1983, he took over the auditing duties with the office. In 1990 the chief auditor and chief Inspector position were combined and he assumed both those duties. In 1988 he completed his M.S. in Public Policy and Public Administration from Purdue. In 2000, he was promoted to feed administrator. Bob has been active in AAFCO since 1992. In 1994 he hosted the first AAFCO feed inspector training at Purdue.

KEVIN GOOD
Kevin Good, Vice President, Industry Relations and Analysis has been with CattleFax since 1982. Kevin has worked with many Agricultural Companies in helping them understand the changes taking place in the commodities industries with emphasis in animal proteins and in particular beef. This includes analyzing interactions between supply, demand, global trade, production trends, weather, and other factors affecting commodity markets. He has given over 1000 presentations/outlooks in 40 states in the United States as well as Canada and Mexico. Kevin is a graduate of Kansas State University.
**SPEAKER PROFILES**

**GUY HARARI**
Guy is currently the President and General Manager for Adisseo North and Central America, and has been with the organisation for over 16 years. In addition to this role, Guy is also a Board Member for the AFIA (American Feed Industry Association), a role he has held since May, 2016.

Previous roles include President for Aventis Animal Nutrition USA and a spell as Board Member for the National Chicken Council.

Guy attended the Escola Politecnica University in Sao Paulo, where he completed a Bachelor of Science in Mechanical Engineering.

**DARREN HENRY**
Darren Henry is an Assistant Professor of sustainable livestock grazing management with Texas Tech’s Department of Animal and Food Sciences.

Prior to joining the Tech faculty, Henry worked as a research assistant at the University of Florida’s North Florida Research and Education Center; a research assistant at the Universidade de Sao Paulo in Brazil; and a research assistant at Texas A&M University. He also served as a teaching assistant at the University of Florida, and a undergraduate research assistant at Texas A&M.

Henry received his bachelor’s degree in animal science and agriculture leadership-development from Texas A&M, and master’s degree in animal sciences from the University of Florida. His doctorate in animal sciences is from the University of Florida.

**RAJ KASULA**
Dr Raj Kasula has over 29 years in Feed Additives and Animal Nutrition segment, multispecies, predominantly poultry and has worked in over 33 countries across the globe, with over 13 years focus in Americas (North, Central and South).

He currently serves as Poultry Technical Consultant with Ridley, Inc. (a unit of Alltech) and has previously worked with feed additive and nutrition leaders such as Kemin, Cargill, Prince Agri/Phibro Animal Health.

Dr Raj trained as a Veterinarian with postgraduate degree in Immunology and Nutrition from Marathwada Agricultural University, India, Certified Professional Animal Scientist for Poultry (PAS) by ARPAS.

**DIRK JAN KENNES**
Dirk Jan and his team publish research on macroeconomic trends and industry dynamics within different food & agribusiness value chains, provide strategic corporate advice, and assist asset management firms in agricultural commodity markets investments.

Before joining Rabobank in September 2007, Dirk Jan was member of the management team of Kemin Food Ingredients. Before that, he was business manager responsible for Feed at CSM subsidiary Purac, and previously involved in the marketing and sales management of feed ingredients for Akzo Nobel.

Dirk Jan studied agronomy, majoring in animal nutrition and holds an MBA from TSM Business School in the Netherlands.

**HANNAH LESTER**
Dr Hannah Lester is a research scientist with over 10 years’ experience in running veterinary clinical trials for regulatory approval and has been a scientific director at Pen & Tec Consulting since 2016. She is responsible for feed and food registration projects in the EU and other major jurisdictions (e.g. USA, Asia). She also ensures scientific and regulatory excellence in the work that Pen & Tec delivers. In addition, Dr Lester advises on legal category and key data requirements for companies preparing food and feed registration dossiers to send to EC/EFSA.

She studied for a PhD in parasite epidemiology at the Moredun Research Institute in Edinburgh and has an MSc in Veterinary Public Health from the University of Glasgow. Dr Lester has worked for and managed Contract Research Organisations in the UK and has also worked in both academia and for the government, providing science and veterinary policy advice.
12th – 13th DECEMBER 2018
HILTON MIAMI DOWNTOWN

SPEAKER PROFILES

HYUN LILLEHOJ
Dr. Lillehoj received her B.S. degree in Biology from the University of Hartford, M.S. degree in Microbiology from Since 1984, Dr. Lillehoj worked at the Beltsville Agricultural Research Center. Her research career has focused on mucosal immunity, vaccines, immunogenetics and antibiotic alternatives. Her research has resulted in more than 404 original papers, 20 book chapters, and 13 national and international patents. In addition, she has served on numerous editorial boards, national grant panels, award and technical committees, and chaired multiple sessions at national and international meetings.
Dr. Lillehoj was inducted into the ARS Hall of Fame in September 2014 and is the winner of 2015 Presidential Rank Award. In 2015, she has been selected as the winner of the American Service Medal for Career Achievement Award.

MARCELO MEDINA
Marcelo has been responsible for setting up the Kekén nutrition department since 2016. Previously, Marcelo spent 16 years with a commercial feed company in Colombia as a nutrition director, being responsible for all the nutritional design and formulation of poultry, swine, cattle, fish and pet diets. His background concerns the optimization of available resources (raw materials), in the design and production of high performance animal feeds with low production costs. Marcelo has wide experience with different types of ingredients and additives, aimed at maximizing performance or reaching specific market needs. Marcelo qualified as a zootecnista (animal scientist) with emphasis in animal nutrition, at the Universidad Nacional de Colombia in Medellín.

DAVID MEEKER
Phillip Smith is a poultry nutritionist for Tyson Foods, Inc. located in Springdale, Arkansas. He received his B.S., M.S., and Ph.D. from the University of Arkansas in Fayetteville. Currently, Dr. Smith formulates broiler feeds for nine complexes in seven states. Also, Dr. Smith organizes Tyson’s in-house poultry research and has worked as swine nutritionist in the Tyson pork group for several years. He has also served on the AFIA committee working on the DDGS lab methods recommendations that was released in 2007, and has chaired the AFIA Non-Ruminant Nutrition Committee.

EMMA PENNY
Emma Penny is Managing Director of Global Data Systems (GDS), a division of AgriBriefing, incorporating Feedinfo News Service, FlexNews & Agrimoney. Emma is from a farming family in Aberdeenshire, Scotland, where her parents run a suckler cow and beef finishing enterprise alongside growing arable crops. A journalist for her entire professional career, Emma followed a BSc (Hons) in Agriculture at Aberdeen University by joining RBI as a technical writer for Crops magazine, then becoming livestock editor at Farmers Weekly, before becoming editor of Farmers Guardian in 2008. She has won several publishing industry awards as editor of Farmers Guardian, and is an Associate of the Royal Agricultural Society (ARAgS).

ANTONIO QUINTANILLA
Antonio Quintanilla leads Prospectiva’s Unit for Political Analysis - LaTAm based out of Washington, DC. His team is responsible for monitoring political developments in Latin America and for analyzing the impact of public policies on the business environment in the region. He holds a Master’s degree in Political Economy - Latin American Studies from Georgetown University and a Bachelor’s Degree in Latin American Studies from Brigham Young University.
SPEAKER PROFILES

SAMUEL ROCHELL
Dr. Rochell is an assistant professor of poultry nutrition at the University of Arkansas. He earned his bachelor and master’s degrees from Auburn University and a PhD from the University of Illinois. He began his current appointment in 2016. Dr. Rochell’s research seeks to develop environmentally-sustainable and economically-viable nutritional strategies to improve the production efficiency of commercial broiler chickens. He currently has 5 graduate students working in the areas of nutritional interactions with coccidiosis, amino acid nutrition, feed ingredient evaluation, and early broiler feeding. He has chaired the Metabolism and Nutrition section of the PSA Annual Meeting and the planning committee for the Arkansas Nutrition Conference.

KEVIN ROEPKE
Kevin Roepke serves as the Regional Director for the Americas for the US Soybean Export Council and is based in in Guadalajara, Mexico. Roepke is chiefly responsible for the strategy and implementation of market and trade development for US SOY within the Americas.
Prior to his career in membership organizations, he worked for five years in Archer Daniels Midland’s oilseed processing division where he lastly was responsible for the Western Divisional soymeal export position—primarily to Mexico, based in Des Moines, Iowa.
Kevin is a graduate of Iowa State University with a degree in Public Service and Administration in Agriculture and is currently pursuing his MBA from Massachusetts Institute of Technology (MIT) in Cambridge, MA.

MANUELA SCHUTTEL
Currently working as Regulatory Affairs Coordinator LatAm in Brazil, on a global biotech based feed company. The company is a worldwide leader in developing solutions for mycotoxins and has long experience in gut health supporting products. Manuela has broad experience in registration of feed additives and ingredients in Brazil and started with the coordination of RA LatAm, a region which experiences changes on local regulations and increasing demand for antibiotic free.

RONALD SCOTT
Dr. Scott was raised on a diversified farm in Wabash, Indiana where his family raised both cattle and swine along with row crops and hay. He received a Bachelor’s Degree in Agriculture (Animal Science Major) from Purdue University and Masters of Science (Animal Science) and Doctoral (Ruminant Nutrition) degrees from Oklahoma State University.
Dr. Scott has held positions for Purina Animal Nutrition, LLC in the areas of Consulting, Technical Services and Research for over twenty-five years. His primary role is to create new and innovative Beef Cattle Products and Feeding Programs for the two Land O’Lakes animal nutritional businesses: 1) PMI – the Feed Additives Division and 2) Purina Animal Nutrition, LLC – The Animal Feed Division.

JIM SHEPARD
Jim Shepard is Senior Director of Live Operations for Wayne Farms LLC, directing all aspects of live production including management of over 1,300 contract breeder, broiler and pullet farms, and oversight of the company’s hatcheries, feed mill operations, nutritional, veterinary and live transportation services for 11 production facilities in six states. On any given day, Mr. Shepard’s responsibilities span 62 million chickens in various stages of production across the southeastern US.
Mr. Shepard graduated from North Carolina State University with a BS in Poultry Science and minor in Business and has 40+ years of industry experience, including 7+ years with Wayne Farms.
JERRY SHURSON
Dr. Gerald (Jerry) Shurson received his B.S. degree in Animal Science and Agricultural Economics at the University of Minnesota, and his M.S. and Ph.D. degrees in swine nutrition at Michigan State University. He is currently Professor in the Department of Animal Science at the University of Minnesota. Jerry is best known for his research contributions on determining the nutritional value of corn co-products produced by the fuel ethanol industry, but his diverse research program also involves numerous studies to better understand fiber, lipid, amino acid, and trace mineral nutrition in swine. He also serves as the Coordinator of the University of Minnesota Integrated Animal Systems Biology Team, which has developed numerous industry research partnerships to evaluate mechanisms of growth and health responses from feed additives and other nutritional interventions.

PHIL SMITH
Phillip Smith is a poultry nutritionist for Tyson Foods, Inc. located in Springdale, Arkansas. He received his B.S., M.S., and Ph.D. from the University of Arkansas in Fayetteville. Currently, Dr. Smith formulates broiler feeds for nine complexes in seven states. Also, Dr. Smith organizes Tyson’s in-house poultry research and has worked as swine nutritionist in the Tyson pork group for several years.
He has also served on the AFIA committee working on the DDGS lab methods recommendations that was released in 2007, and has chaired the AFIA Non-Ruminant Nutrition Committee.

DANIELA SOLOMON
Daniela Solomon is Regulatory Affairs Manager for Animal Health and Nutrition with Novozymes North America. Daniela manages the design and execution of regulatory programs together with global partners to ensure regulatory compliance of Novozymes’ microbial products in various countries with focus in the Americas. She also contributes to new product development strategies for various applications within Animal Health and Nutrition.
Daniela received her Doctor of Veterinary Medicine degree at Universidade Estadual Paulista (UNESP) in Brazil where she worked as a Companion Animal practitioner for 11 years. She received a Marketing specialization in Brazil and a MBA in the US.

MICHAEL SWANSON
Michael Swanson is an agricultural economist and consultant for Wells Fargo, the largest commercial agricultural lender in the United States since 1997. Based in Minneapolis, his responsibilities include analyzing the impact of energy on agriculture and strategic analysis for key agricultural commodities and livestock sectors. Additionally, he helps develop credit and risk strategies for Wells Fargo’s customers, and performs macroeconomic and international analysis on agricultural production and agribusiness.
Michael joined Wells Fargo in 2000 as a senior economist.
Prior to working at Wells Fargo, he worked for four years at Land O’ Lakes, a large national dairy cooperative based in Minnesota. Before working in the dairy processing business, Michael lived in South America for four years working for Cargill.

RUSS WHITMAN
Russ Whitman is Senior Vice President for Urner Barry and overseas all of the company’s market reporting initiatives.
In addition to his primary market reporting responsibilities, Whitman is actively engaged in all facets of Urner Barry’s events, services and media products. Russ is a frequent presenter at industry events and received commendation from the National Turkey Federation in 2008 for excellence in market reporting. He was most recently Vice President of the Poultry Division.
Whitman graduated from Washington & Lee University, Lexington, Virginia, with a Bachelor of Science degree in Business Administration with special attainments in Commerce.
PARTNER PROFILES

GOLD PARTNERS

With an unrivaled portfolio of ingredients and systems, ADM can support you all the way from plant to plate. Our experts have a deep working knowledge of global and local food cultures. And we’re ready to partner with you to develop innovative solutions and consumer-preferred eating experiences. So, when you’re ready to feed your food business, make ADM your first call.

www.adm.com

HQ Biosciences was established when they discovered a healthier way to make vitamins and amino acids. Founder, Dr. Q Pan, and a team of engineers revolutionized the industry by applying Nobel Prize–winning super-resolved fluorescence microscopy technology to traditional manufacturing methods. This resulted in trustworthy products with unmatched uniformity and purity. They are headquartered in Bellingham, Washington, in the United States and have manufacturing, sales and distribution facilities around the world.

www.hq-biosciences.com

Pen & Tec is a specialist consultancy with over 15 years’ experience advising companies on the regulatory requirements for the food and animal feed industry in Europe. We help clients take food and feed products to market faster and offer strategic advice on optimising return on investment from their existing product portfolios.

Since incorporation, Pen & Tec has established a history of success in guiding clients through their regulatory affairs challenges for products including food and feed additives, novel foods and nutrition and health claims.

We have offices in the UK, Switzerland and Spain, and have expanded our global reach by increasing our network of associates, allowing us to offer regulatory services for food and feed products in other leading global markets such as the USA, China and Brazil.

www.pentec-consulting.eu

SILVER PARTNER

Kerry, the Taste & Nutrition company, offers solutions that nourish lives all over the world. From humble beginnings as an Irish dairy co-operative, we’ve grown into a large international food industry leader with offices in 30 countries, 135 manufacturing facilities, and 25,000 employees around the world, including over 900 food scientists.

Kerry’s dedicated Animal Health and Nutrition division is passionate about our using food and technology expertise to improve animal health and nutrition, globally. Kerry’s diverse portfolio of enzymes, emulsifiers, proteins and nutraceuticals enhance animal nutrition feed by increasing nutritional value, maximizing efficiencies, replacing antibiotics and supporting sustainability. From function to palatability, we are committed to innovating for success.

www.kerry.com
MIXSCIENCE is an innovative expertise company in nutrition and animal production, part of Avril Group, the leading industrial and financial player of the French vegetable oil and protein industry. Our range of products includes innovative premixes, basemixes, special feeds, nutritional specialties and other Feed Additives.

We have developed the Sustainable Animal Health Management (SAHM) approach, which limits the use of antibiotics by preserving the good health of farm animals and thus ensure the health quality of finished products. Our product range is completed by expert advice and service: nutritional expertise, industrial expertise and value chain and breeding expertise.

www.mixscience.eu

Proviron designs, produces and markets chemicals mainly for medium volume niche markets. We have 22 production units in three manufacturing plants, situated in Belgium and the US. For most of our own products, we have a market-leading position.

Our chemicals are building blocks to a host of downstream products. We offer sustainable solutions for polymers, waterbased paints and glues, feed, braking systems, de-icers, and lots more.

The animal health business unit of Proviron focusses on the development of new solutions for both livestock and aquaculture industry.

By offering concentrated solutions with high purity we are able to show significant better performances and reductions in antibiotic use in poultry and swine production and in aquaculture.

www.proviron.com

Quality Technology International, Inc. (QTI) is headquartered in Elgin, Illinois and is part of the ITOCHU family of companies. QTI’s Animal Health and Nutrition Division focuses on natural ingredient-based products that have been shown through extensive research and ongoing field use to improve animal health, performance and food safety.

QTI’s naturally-based products improve the productivity and sustainability of animal agriculture. The company understands the importance our customers place on animal health, which is critical for optimal environmental stewardship as well as economic viability in the meat and egg laying industry.

www.qtitechnology.com

TIMAB Magnesium is a Groupe Roullier company, whose core business is the wholesale of Magnesium products. Within the Roullier Group, four entities are dedicated to the Magnesia business. Among them, TiMAB Magnesium is specialized in agricultural and industrial applications.

With TIMAB Magnesium, but also with its subsidiaries Magnesitas Navarras and Magnesium Do Brasil, Groupe Roullier has developed an expertise that is unique worldwide, in the three applications of magnesia: agricultural, industrial and refractories. TiMAB Magnesium is the European leader in agricultural applications, and a recognized player in the field of industrial applications.

www.timabmagnesium.com
Feedinfo News Service is the world’s leading provider of business and financial information for global corporations serving the agribusiness, feed additives and biotechnology sectors, with special insight into the animal nutrition and animal health industries.

Our experienced team of analysts and journalists brings together a unique combination of comprehensive market knowledge and an extensive network of industry contacts. This expertise is used by thousands of agribusiness around the world for benchmark pricing information, market research and to create the Feed Additives events series.

Now held annually in Amsterdam, Bangkok and Miami, our conferences are the only truly independent, strategic business gatherings for representatives of the specialty feed ingredients sector and their expert advisers and service providers.
TIMAB Magnesium is a global leader in animal nutrition. With two integrated mines and production units, we ensure full traceability of our products. Thanks to our network of partners and strategic alliances, the TIMAB Magnesium sales team is always available to respond to our customers’ needs. As specialists of Magnesium, we put R&D at the heart of our approach and innovate every day to meet the needs of our customers and the challenge of seeking effective nutrition.

TIMAB Magnesium has developed pHix-up, a new nutritional solution through in-depth research and a unique level of industrial know-how, in order to rapidly neutralize pH acidity in the rumen after feeding, and to maintain an optimal pH for several hours after feeding.

MORE INFO: TIMAB MAGNESIUM | 55 BD JULES VERGER | 35800 DINARD
Tél.: +33 (0)2 23 15 24 91 | timab.magnesium@roullier.com
www.timabmagnesium.com