



Joint News Release

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BASF and Adifo Software partner on optimizing feed formulation, supporting more sustainable animal protein production

BASF and Adifo Software will launch a new digital solution for the animal agriculture value chain by integrating sustainability analytics powered by BASF's AgBalance® Livestock project into Adifo's BESTMIX® feed formulation software. BASF's sustainability analytics enable the industry to dynamically assess the life cycle environmental impacts to make animal protein production more sustainable. Adifo's BESTMIX® software allows nutritionists and formulators to manage and optimize nutrition and cost attributes of feed and ration formulation. By integrating BASF's sustainability analytics into BESTMIX®, customers along the animal agriculture value chain will be able to strategically manage and optimize feed formulation based on nutrition and cost while taking environmental sustainability aspects into account.

"This partnership will significantly advance feed formulation," says Daniela Calleri, Vice President Business Management BASF Animal Nutrition. "While cost is still relevant, sustainability has become an important driver for the animal protein sector. This joint solution by BASF and Adifo enables customers to improve their formulations for least environmental impact and offers substantial opportunities for the value chain."

BASF has a long history of collaboration with partners from the poultry, pork, dairy, beef

and aquaculture value chains globally to drive sustainable solutions from farm-to-fork. The BASF digital sustainability analytics innovations couple nearly twenty years of life cycle sustainability work in the feed and animal protein industry with leading science-based digitalization capabilities.

“We recognize the importance of sustainability as one of the game changers in the animal feed sector and other nutrition industries for the coming years,” says Gerard Marneth, CEO at Adifo. “With this strategic partnership with BASF, we want to continue our path of innovation in BESTMIX® software by allowing our customers to include sustainability as a parameter into their formulations and rations. Extending insights and minimizing environmental impact by using the enhanced BESTMIX® will allow the industry to grow jointly towards a more sustainable future.”

Capabilities to improve will be integrated to devise the most sustainable formulations within defined cost tolerances. BASF’s AgBalance Livestock® project functionality within BESTMIX® will provide the ability to rapidly and dynamically assess feed formulation scenarios and associated life cycle sustainability impacts within BESTMIX®. BASF and Adifo Software are currently finalizing the functionality via customer pilot projects and target to commercially launch this innovative solution to the market in early 2021.

About BASF’s Nutrition & Health division

BASF Nutrition & Health provides an extensive product and service portfolio for the human and animal nutrition, pharmaceutical, ethanol and flavor & fragrance industries. With innovative solutions and modern technologies, we help our customers improve their business efficiency and the sustainability of their products. Our human nutrition solutions include vitamins and carotenoids, plant sterols, emulsifiers and omega-3 fatty acids. Vitamins and carotenoids also form an important part of our animal nutrition portfolio, as do other feed additives such as trace elements, enzymes and organic acids. We provide the pharmaceutical industry with a broad range of excipients and selected large-volume active pharmaceutical ingredients such as ibuprofen and omega-3 fatty acids. Leveraging our advanced technology, we create high performance industrial enzymes for different markets, such as ethanol production. Furthermore, we offer aroma ingredients such as citral, geraniol and L-menthol. BASF Nutrition & Health operates sites in Europe, North America, South America and in Asia-Pacific. For more information, go to www.basf.com.

At BASF, we create chemistry for a sustainable future. We combine economic success with environmental protection and social responsibility. More than 117,000 employees in the BASF Group work on contributing

to the success of our customers in nearly all sectors and almost every country in the world. Our portfolio is organized into six segments: Chemicals, Materials, Industrial Solutions, Surface Technologies, Nutrition & Care and Agricultural Solutions. BASF generated sales of €59 billion in 2019. BASF shares are traded on the stock exchange in Frankfurt (BAS) and as American Depositary Receipts (BASFY) in the U.S. Further information at www.basf.com.

About Adifo

Since its establishment in 1974, Adifo has specialized in software solutions for the international nutrition industry. Launching new products, exploring niche markets, reducing costs, optimizing resource efficiency and handling the loss of essential business knowledge, are just a few examples of the challenges companies in nutrition face in an ever changing and increasingly competitive market. Adifo knows how important it is to anticipate such challenges, which is why we help our customers respond accordingly by developing and servicing software tools that automate business processes and information flows.

Adifo stands for innovation, reliability, passion, know-how and a drive for results. Based on these corporate values, Adifo has been adding value to the nutritional industries for over 45 years. Adifo, part of the Info Support International Group, prides itself for its industry knowledge and its dedication to creating modern solutions that offer assistance in every step of the formulation and production process of food and feed products. Therefore, it is no surprise that Adifo's ERP solution MILAS® and formulation software BESTMIX® are well-known names within nutrition industries. For more information, go to www.adifo.com