

■ *Press Information*

Enhanced performance with functional lipids

EuroTier Digital: Berg + Schmidt offers added-value vegetable lipids for healthy livestock and efficient animal husbandry

Hamburg (Germany), December 2020: Innovative feeding concepts are a priority for future-oriented livestock farming. At EuroTier Digital 2021, Berg + Schmidt is presenting feed ingredients that have a positive effect on the immune system and performance of all animal species, from aquacultures and poultry to pigs and cattle. Thanks to Berg + Schmidt's special technology, the natural fats and oils are easy to process, and offer highly functional added value.

LipoVital - to support intestinal health and resistance

LipoVital is of particular interest to manufacturers who want to reduce the use of antibiotics, and improve intestinal health and resistance. Together with partners from the compound feed industry, Berg + Schmidt investigated its effects in piglet rearing. LipoVital offers a very high content of monoglycerides and therefore has specific antiviral and antibacterial properties. A trial with broilers at the University of Rostock confirmed the excellent effect of LipoVital on *Clostridia perfringens*. Both the intestinal flora and the performance parameters were positively influenced in this challenge trial. Studies at the Pipestone Applied Research Institute and the Cornell University Animal Health Center also demonstrated the high antiviral activity of LipoVital monoglycerides. In contrast to free fatty acids, the products are non-corrosive and show high acceptance in young animals thanks to their neutral taste and smell. LipoVital Monoglycerides can be supplied as a high-purity raw material and as a customized compound. They are very effective even in low dosis and inclusion rate can be increased if necessary. Berg + Schmidt is currently working with renowned institutes on further trials for the use of LipoVital in aquaculture, with initial promising results in salmon and shrimp feeding. In addition to the focus on resistance, the LipoVital portfolio with its medium-chain triglycerides offers top-quality, highly bioavailable energy sources for young animals. These so-called MCT oils are fractional energy

suppliers for milk replacers and starter feeds.

BergaFat - increased milk yield with optimised nutrient intake

Freshly milking, high-performance cows expend more energy through milk production than they can consume through feed. Feed fats provide an additional energy supply more than twice that of carbohydrates. Using proprietary technology, palm oils are physically fractionated. This allows separation into unsaturated and high-melting saturated fat fractions, without the usual hydrogenation process. BergaFat is thus free of trans fatty acids that are formed during the hydrogenation process. BergaFat powders are naturally rumen-stable and reach the small intestine unchanged, where they are easily digested. The result is a marked increase in the total milk yield, along with improved fat and protein content in the milk without loss of body mass in the animal. As a well-accepted energy supply, BergaFat can also increase feed efficiency in poultry and piglets. Furthermore, rape seed fats of EU origin can be used as an alternative to palm.

Lecithin - essential nutrient for metabolism and immune system

Obtained from plants such as soya, rapeseed or sunflower, lecithins deliver essential nutrients for stimulating the metabolism, strengthening the immune system and providing high energy value. As ingredients with added value, they also facilitate production processes: The good emulsifying capacity of lecithins improves the miscibility of raw materials in animal feed and gives pellets, for example, greater elasticity. In addition, production throughput is increased because lecithin acts like a lubricant. The portfolio of Berg + Schmidt comprises a broad spectrum of products, from hydrolysed and powdery to liquid lecithins, and tailor-made compounds. The versatile areas of application range from use in milk replacers to poultry and pig feed, and the aqua sector.

About Berg + Schmidt

The Berg + Schmidt GmbH & Co. KG offers the development and production of optimised ingredients for animal nutrition, cosmetics and oleochemistry. The portfolio stretches from BergaFat fat powder to lecithins and LipoVital functional lipids. The product portfolio benefits from over 60 years of comprehensive expertise, continuous research and a clear service orientation towards the customer. As a subsidiary of the independent, owner-managed Stern-Wywiol Gruppe with a total of 12 sister companies, Berg + Schmidt benefits from various synergies. The company profits of the combined know-how of

some 100 R&D specialists in the large Stern Technology Center in Ahrensburg with its extensive application technology. Customers also benefit from the group's international network, consisting of 17 subsidiaries and numerous qualified foreign representatives in the important key markets. Added to this are jointly used production facilities and the group's own logistics. With a turnover of over 500 million euros and about 1700 employees worldwide, the Stern-Wywiol Gruppe is one of the most successful internationally operating companies in the world of "Food & Feed Ingredients".

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