

More sustainability in agriculture – feed additives by Kaesler Nutrition

**Long-standing expertise in agricultural livestock nutrition contributes
to a socially-accepted, sustainable livestock husbandry.**

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Since 2016 Kaesler Nutrition has consistently been investing in research for the development of highly technological, innovative additives for animal nutrition. With the 0-emission target of the Green Deal in mind, efficiency, sustainability and emission reduction have become the most important targets in modern animal husbandry. Alongside the huge challenges for the industry, however, the Green Deal also provides scope for the industry to reposition itself with new innovative solutions in animal nutrition. Feed additives are currently the decisive factor in achieving this objective in agricultural livestock production. Sustainability and improved framework conditions for sustainable management are at the top of Kaesler's agenda for the coming years and are an integral part of the company strategy. Kaesler's products, such as enzymes, antioxidants and drinking water applications have already been making a valuable contribution to sustainability in agriculture for many years. This activity will be maintained with products and services aligned to the 17 global objectives for sustainable development of the EU (the Sustainable Development Goals). Particular emphasis will be placed on those targets aiming to achieve more sustainable agriculture, save resources, improve soil and water quality, use sustainable and natural products, plus the reduction of CO².

How exactly does that work?

Feed additives can improve animal health and increase the efficiency and sustainability in the production of food of animal origin. Enzymes can break down phosphate from plant-based raw materials, making it available for the animal. This means it is no longer necessary to supplement mineral phosphorous. Adding amino acids to the feed reduce the need for

supplementation with high-protein feedstuffs, such as soya. This saves resources and surface in feed production. At the same time, using amino acids and enzymes in feed reduces the excretion of nitrogen and phosphorous by 35% and 29% respectively. This in turn helps counteract the over fertilisation and acidification of the soil while reducing eutrophication of the water.

A further example is the use of feed supplements for application via drinking water. These products can be supplemented short-term and targeted to a sudden situation with increased nutrient requirements. Natural substances, vitamins, minerals, probiotics and amino acids are used, all with the aim of increasing animal welfare and reducing disease and the need for antibiotic use.

Future investments will focus on innovative products and technologies. The aim is to continue developing and improving existing products as well as creating new, sustainable solutions.

Company information: *Kaesler Nutrition provides a wide range of safe, high-quality additives for the feed industry. Natural substances are used to refine feedstuffs for the optimal fulfilment of the individual nutritional requirements of livestock and pets. Kaesler's solutions contribute to the improvement of animal welfare and health, ensure needs-based nutrition and increase resource efficiency and sustainability in the production of food of animal origin.*

Over 150 employees are working on the challenging task of creating a more efficient, sustainable agriculture at our headquarters in Cuxhaven and in our global representations. Find out more under: www.kaesler.de

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