

Increasing Poultry Production with Danish Enzyme



Food production has multiple effects on the environment. At the same time, global population grows and consumers are looking for high quality, affordable food as part of a healthy, balanced diet. In OECD-countries poultry consumption has gone up more than 70% since 1990. With rising global demand there is an urgent need for new solutions to produce more efficiently and with as little impact on climate as possible.

Increasing efficiency for farmers

In a partnership between Novozymes, one of the world's leading ingredient companies, and DSM, a Dutch leader in animal nutrition products, a product with a positive impact on the growth of broilers has been developed. The name of the enzymatic solution is Balancius.

The enzyme can cut down on feed without compromising on growth

The enzyme works by removing bacterial cell debris from the chicken's gut, enabling farmers to produce 3% more food from the same amount of feed. Considering that up to 70% of a farmer's total production costs goes towards feed, Balancius can significantly cut costs and lower the environmental impact of food production.

Helping to improve sustainability

If Balancius were used for all broilers in Latin America and North America, the total greenhouse gas emission saving potential is 4.2 million tons of CO₂. Using the solution in Latin America corresponds to 500,000 Brazilian people's annual emissions.

The product has been launched in Latin America and the United States.