Our people

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Value-added services

We offer a range of services designed to help our customers gain even more value from use of our products, including:

- FASTKix™ assay – this ensures that the optimum level of enzyme product has been applied to achieve maximum economic benefits, detecting its presence in less than an hour.
- Liquid systems and engineering support.
- Optimize Feed™ Service – an online tool that uses accurate and well-researched matrix values to calculate the optimum dose of enzyme needed to achieve the strongest performance benefits and cost savings. We also offer software tools that deliver similar customized diet and species based recommendations for carbohydrase enzyme application.

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Danisco Animal Nutrition

UNIQUE SOLUTIONS TO ‘PROFIT, PERFORMANCE AND PLANET’ ANIMAL PRODUCTION CHALLENGES
Danisco Animal Nutrition

Unique solutions to ‘profit, performance and planet’ animal production challenges

About us

For several decades, we’ve helped animal producers resolve “profit, performance and planet” challenges and maximize the return on their feed investment through the delivery of optimized feed enzyme, betaine and probiotic technologies. Our uniqueness centres on our ability to deliver value-driven healthy nutrition based on combining these technologies.

Our ability to shape a profitable future for animal producers is underpinned by the quality and quantity of our worldwide trials, our unparalleled investment in innovative technologies and our collaboration with leading international industry, government and academic partners. We are also part of DuPont (www.dupont.com), which has become one of the most innovative and admired biotechnology companies in the world*.

Global research; local application

Thinking globally but acting locally has never been more important in the animal feed industry. Having joined forces with DuPont, our reach has become truly worldwide with access to innovation and research centres at over 150 locations as well as 19 operations sites, 10 of which manufacture animal nutrition products. Our focus is resolutely on collaborating locally as well as globally so that our technologies deliver the best possible levels of customer value against cultural, governmental and environmental variables.

Profit, performance & planet challenges

The challenge of feeding the world in a sustainable way dates back to the 1960s, when population growth started to escalate, more than doubling by the turn of the century.

Increasing the efficiency by which animals convert feed into protein and shortening the cycle time of production has become increasingly important. Traditional feed costs, already high at around 70% of total production budgets, have escalated in line with a growing demand for meat, fish, egg and dairy products.

We also help animal producers comply with environmental regulations and thereby control waste management costs, ensuring their commercial sustainability.

Our essential oil compounds are optimized blends of thymol and cinnamaldehyde. They stimulate feed intake, improve bodyweight gain and support gut health by inhibiting a number of non-beneficial bacteria.

Combined solutions

Our unique ability to combine enzyme, probiotic and betaine feed additive solutions enables us to deliver new levels of profitability to customers, by optimizing feed conversion and supporting healthy performance.

Feed enzymes

Our position as the industry leader in feed enzymes originated from the successful launch of unique combined carbohydrase and protease products 25 years ago. As research clarifies the negative effects that volatility can have on animal digestion, we have developed unique phytase, carbohydrase and protease enzyme solutions that radically reduce feed and waste management costs, while also supporting gut health and enhanced animal performance.

<table>
<thead>
<tr>
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Betaine

Derived from non-genetically modified sugar beet, our natural betaine increases lean meat yield and reduces production costs through the reduction of choline chloride and methionine in feed formulations. Natural betaine also alleviates the negative effects of osmotic stress and helps maintain gut integrity, which in turn positively impacts animal performance.

![Betafin® natural betaine structure](image)

Probiotics

Our probiotic products build on the sound foundations of our enzyme-based solutions, offering healthy nutrition benefits. We have drawn on decades of human and animal microbial experience and research within the broader DuPont group to develop unique, multi-strain probiotic solutions that decrease mortality and reduce antibiotic dependence throughout the production cycle.

![Gut microbiota](image)

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![Enzyme Substrate](image)
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These solutions, many of which are industry “firsts”, deliver radical cost savings through enhanced animal performance and liveability. They also minimize the impact of nutrition-related environmental and sustainability challenges.

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