

Ajinomoto and Danone partner to reduce GHG from dairy industry

20 September 2024 | News

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Ajinomoto Co. and Danone announced a global strategic partnership aimed at reducing multiple sources of greenhouse gas (GHG) emissions from the milk supply chain. This initiative utilises Ajinomoto Co's solution AjiPro-L, an innovative and world-leading lysine formulation, which in addition to aiding in the absorption of the amino acid, is also highly cost-effective and a broad-ranging GHG reduction method in the market. As a part of Danone's 'Partner for Growth' program, both companies are working collaboratively to reduce GHG emissions from milk production.

Danone's partnership with Ajinomoto Co. provides it with yet another tool to reduce emissions from dairy farming. AjiPro-L effectively delivers lysine, an essential amino acid, to the cow's digestive system, where it can be absorbed as a nutrient. The innovative product plays a pivotal role in reducing feed costs for farmers and reducing a broad spectrum of GHG emissions from the industry. This helps not only to reduce the amount of high-protein, high-cost feed, such as soybean meal, which contains excessive amino acids, in the diet while maintaining milk production but also to reduce the carbon footprint (e.g., carbon dioxide generated during the cultivation and procurement) associated with procuring soybean meal as a protein source by approximately 20 per cent. Additionally, it decreases nitrous oxide emissions from manure by approximately 25 per cent.

Moreover, in-vitro studies have shown that amino acid-balanced feed with AjiPro-L combined with a methane reduction additive can amplify the effect of the methane reduction additive by approximately 30 per cent and is expected to contribute substantially to reducing methane emissions from cow's belches.