

# Reducing GHG Emissions in Cattle Sector by Amino Acid Balanced Feed with AjiPro™-L

## Annual GHG Reduction\*1

Adding AjiPro™-L to optimize feed nutrition leads to GHG reductions in...

	Total	Beef*2 1.1t	Dairy*3 1.3t CO <sub>2</sub> eq/cow/Y
from manure N <sub>2</sub> O		0.1t	0.4t
from feed LCA CO <sub>2</sub>		0.6t	0.6t
from burp CH <sub>4</sub>		0.4t	(0.3t)*4

\*1 Figures might fluctuate depending on feed design etc. \*2 Japanese practices  
 \*3 US practices \*4 Amplification effect of CH<sub>4</sub> reduction additive



AjiPro™-L is a natural-derived rumen protected amino acid (lysine) with world's highest efficacy



## The AjiPro™-L Solution

Cattle feed is high in protein yet low in essential amino acids causing inefficient protein use and high GHG emissions. AjiPro™-L enables to optimize nutrition in feed.

### Ordinary Feed

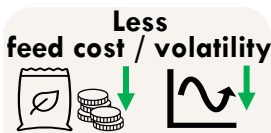
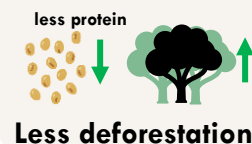
### Our Solution



optimize nutrition

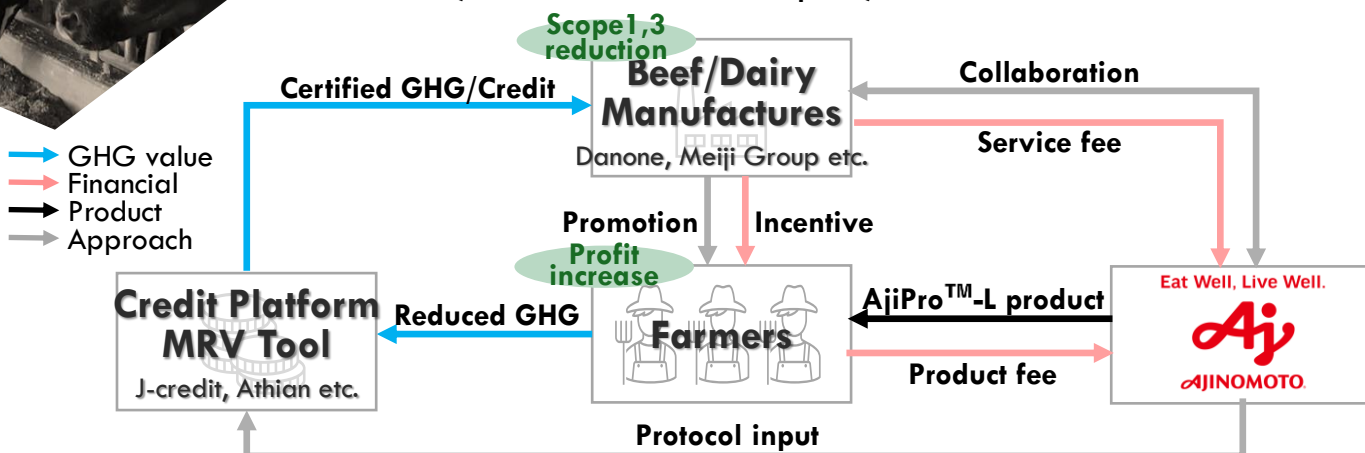


### Outcomes



## Current Business Model

Ajinomoto is partnering with beef/dairy manufactures to implement the solution in their contracted farms. With its certifications in credit platforms & MRV tools, it can contribute to Scope 1,3 reduction of manufactures.



For more details about the AjiPro™-L solution:  
[https://www.Ajinomoto.com/innovation/action/ajipro\\_l](https://www.Ajinomoto.com/innovation/action/ajipro_l)



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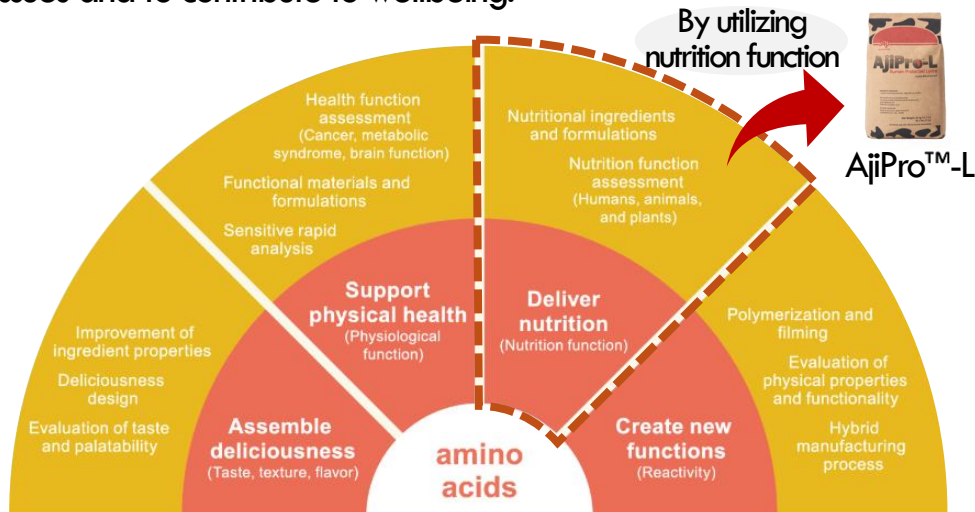
*The Ajinomoto Group is contributing to the well-being of all human beings, our society and our planet with AminoScience*

## What is “AminoScience”?

The various materials, functions, technologies, and services with a focus on unlocking the power of amino acids to resolve social issues and to contribute to wellbeing.

**Amino Acids**

A fundamental substance that all living beings are made of

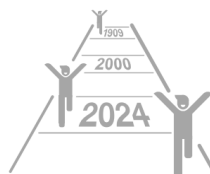
## The Ajinomoto Group in Numbers

### Annual Sales



**\$10.0<sub>bn</sub>\***  
 (¥1,439.2<sub>bn</sub>)

### Year of Establishment



**1909**

### Number of Employees



**34,862**

### Areas where Products are Developed



Approx. **130**

\*Annual group sales in FY23. USD is calculated based on the conversion rate of the applicable period (\$1=¥143.38)

## Contact for the Solution

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