



CPF SUSTAINABILITY
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Better Pork, Better Planet

How smarter production lowers pork's carbon footprint
and builds more sustainable food products.

A LOWER FOOTPRINT BEGINS LONG BEFORE THE PLATE.

FROM SYSTEM TO PRODUCT

CPF NH FOODS: FROM THAILAND TO ASIA.



CP NIPPON

CPF NH Foods, a joint venture between CPF and Japan's NH Foods, has launched the premium **CP Nippon** brand. Combining CPF's integrated supply chain and regional network with NH Foods' food-processing and product-development expertise.

The partnership now delivers 15 products to consumers in **Thailand, Hong Kong, Singapore and Japan**.



Behind these products is a wider story of advanced production, stringent quality assurance, food safety, traceability and more sustainable manufacturing—showing how Thailand's pork value chain can create safe, high-quality and **lower-carbon food**.

OPENING

A lower footprint begins long before the plate.



MORE THAN

30%

lower carbon footprint

CPF fresh chilled pork produced in Thailand, compared with Thailand's national pork benchmark.

Better Pork, Better Planet follows the decisions made before pork reaches a customer. From responsible corn and precision feed to smarter farms, renewable energy, circular water and packaging.

The point is not one isolated initiative. It is coordinated improvement across the entire value chain.

Remark: All information and data in this article relate exclusively to CPF's operations in Thailand.



From smart production to sustainable food

Food buyers are looking beyond quality and safety. They increasingly expect responsible sourcing, lower-carbon production, traceability and measurable sustainability performance.

Thailand is a key production base for CPF's pork business. Here, technology and continuous improvement connect primary production with a new generation of value-added food products.



WHY PORK MATTERS

130

MILLION TONNES

Projected global pig meat consumption
by 2034

Pork is one of the world’s most widely consumed protein sources. Its environmental impact is shaped long before the final product ; across feed ingredients, farming, energy, water, processing and packaging.

ONE PRODUCT. A WHOLE SYSTEM.



SOURCING

Origin and traceability



FEED

Precision nutrition



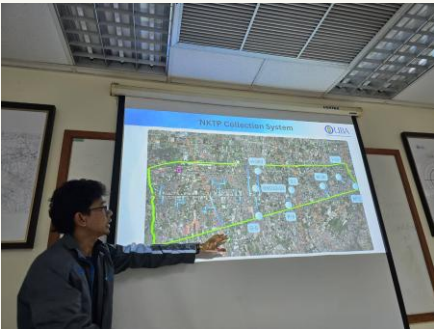
FARM

Resource efficiency, energy and water



FOOD

Packaging Design for Circularity



KNOWING WHERE EMISSIONS COME FROM

Follow the footprint.

Life Cycle Assessment follows a product from beginning to end, revealing where greenhouse-gas emissions concentrate and where action can make the biggest difference.

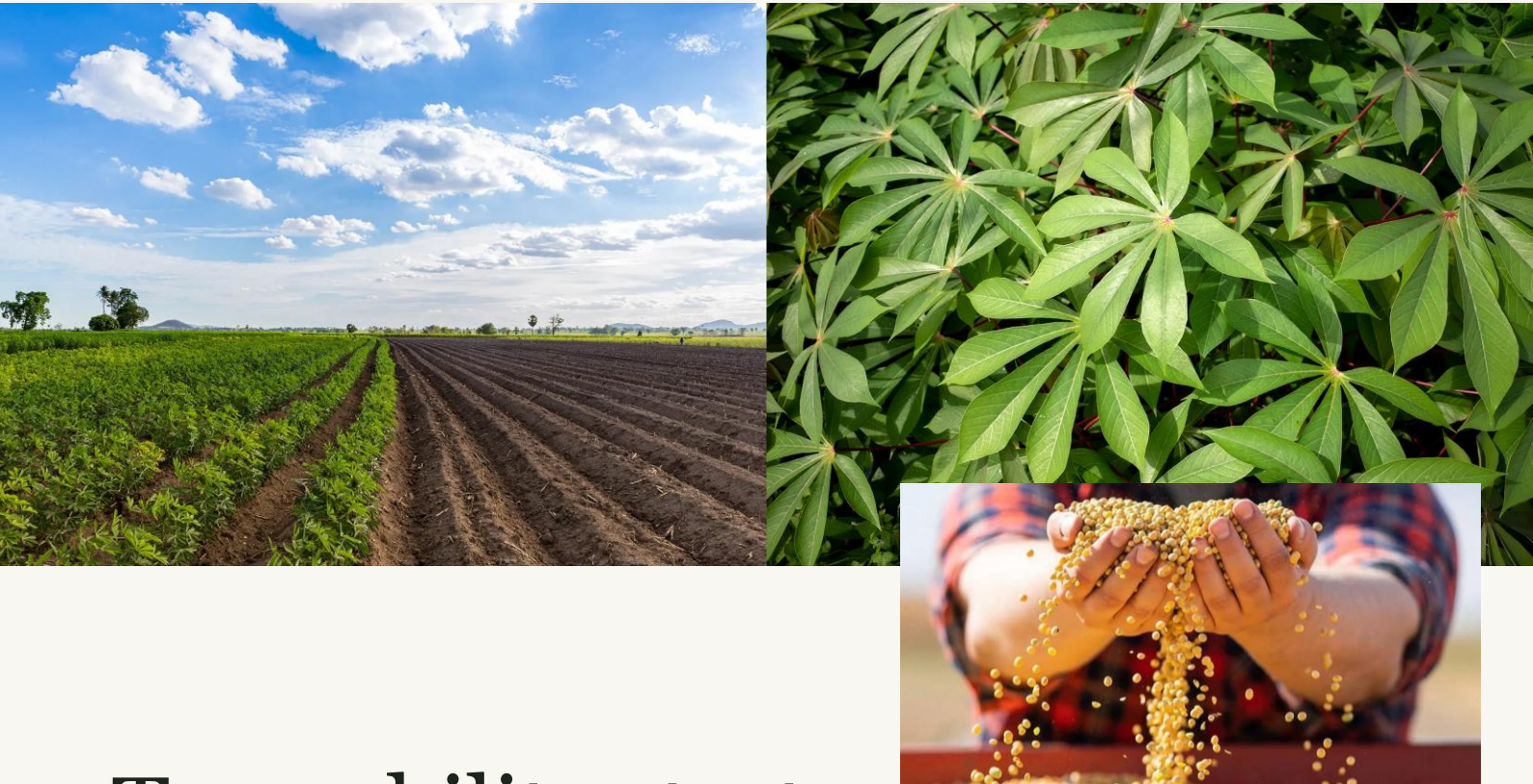


60%

of emissions in a global pig supply-chain study were linked to feed production.

CPF's Thailand LCA shows the same pattern: feed ingredients are the largest hotspot, followed by energy across the supply chain.

01 / SOURCING



Traceability starts before the feed mill.

Customers increasingly want to know where agricultural ingredients come from and whether they are sourced responsibly. For pork, that question begins with key feed inputs such as corn.

CPF traces feed inputs back to source and works with suppliers and farmers to source key raw materials in line with its deforestation-free policy. A blockchain-enabled system adds transparency across the chain.

ORIGIN → SUPPLIER → FARM → FEED

01 / SOURCING

Partner to Grow: Strengthening the Supply Chain

CPF's "Partner to Grow" project strengthens the capabilities of both SMEs and large business partners throughout the supply chain. It helps them respond to changes in the global economy, geopolitical uncertainty, climate risks and evolving international trade regulations.

Through knowledge sharing, technology and data-driven management, CPF supports partners in improving efficiency, reducing costs, adopting more sustainable practices and building long-term business resilience.



From Local Farms to Global Standards

One example is **Chai Charoen Fresh**, which CPF supported in upgrading its operations and helping more than 100 farmers grow chemical-free holy basil under GAP standards—creating stable incomes while supplying safe, high-quality ingredients for domestic and international markets..

02 / FEED

Better feed changes more than performance.

20–30%

less excess nitrogen in pig waste

39,000

tonnes CO₂e estimated reduction
per year

PRECISION NUTRITION

Feed formulas are matched to each growth stage so pigs use nutrients more efficiently.

2025 estimate • approximately 7 million pigs raised in Thailand

Waste becomes energy. Sunlight becomes power.



SINCE 2001

Biogas at all CPF swine farms in Thailand

Biogas captures methane that would otherwise enter the atmosphere. Solar and energy-management systems further reduce reliance on fossil fuels.

94 ~80% 35%

swine farms within the 2025 reporting scope electricity-cost offset at participating farms renewable share across all CPF Thailand businesses



SMART FARMS

IoT and AI monitor temperature, ventilation, feed intake and animal-health indicators.

Water is managed as a circular resource.

Under the 3R approach ; Reduce, Reuse and Recycle. CPF monitors water use, reuses treated water where appropriate and reduces dependence on external sources.



42%

**reduction in external
water withdrawal**

CPF Thailand swine farm operations,
2025 versus the 2015 baseline

REDUCE / REUSE / RECYCLE

04 / FOOD

Design the pack for what happens next.

79%

of plastic packaging used for CPF food products was designed to be reusable, recyclable or compostable in 2025.

Packaging must protect food first. CPF continues to reduce material use, improve recyclability and incorporate more recycled content without compromising safety or quality.

REUSABLE
RECYCLABLE
COMPOSTABLE



Turning Pork Production into Greater Value



CPF aims to put every usable part of the pig to good use, reducing waste and avoidable food loss while creating higher-value products. Its pasteurised pork blood curd is one example: by applying strict hygiene, heat-treatment and traceability controls,

CPF became the first company to introduce the product to Singapore under its current import rules, following a 27-year nationwide ban. The milestone shows how better resource use and food safety can go hand in hand.



CLOSING NOTE

One system. Many proteins.

CPF applies the same technology-enabled sustainability approach across pork, chicken, duck, shrimp and ready-meal operations ; connecting food safety, quality and traceability with continuous environmental improvement.

NOTES & SOURCES

- 01 CPF Sustainability Report 2025
- 02 CPF ESG Performance Data
- 03 OECD–FAO Agricultural Outlook 2025–2034
- 04 FAO global pig supply-chain life cycle assessment
- 05 TGO Carbon Footprint for Product database
- 06 CPF NH Foods production launch, 12 May 2026