



C.P. GROUP



CP for good deeds



CP
FOR
SUSTAINABILITY

ซีพี...เพื่อความยั่งยืน

Eco-Labeled and Sustainable Products and Services Revenues

Charoen Pokphand Group

**FORWARD
FASTER**

FOR A BETTER TOMORROW



Eco-Labeled and Sustainable Products and Services Revenues

Revenues from Products certified with Eco-Labels

such as Carbon Footprint of Products Label, Carbon Footprint Reduction Label, Energy Label No.5 Thailand, Good Agricultural Practices (GAP) label, Organic Thailand Label including IFOAM Label, Livestock OK Label, Marine Stewardship Council Label, and Aquaculture Stewardship Council Label. As well as Makro Quality Pro (MQP) Label and Makro i-trace which are Self-Declared Environmental Labels.

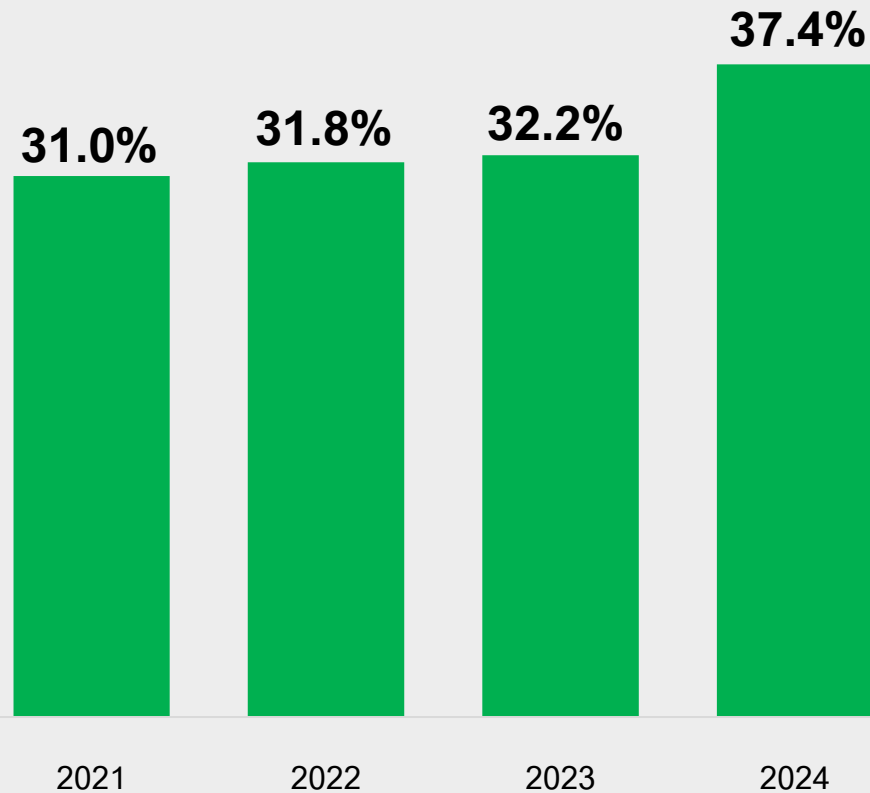


Revenues from Sustainable Products and Services under EU Taxonomy-Eligible and -Aligned Activities

Climate Change Mitigation: Rice products awarded the KHAO C.P. SUSTAINABILITY Label for sustainable rice cultivation; plant-based food products such as VG for Love ready-to-eat meals; pork and chicken products under the Meat Zero brand; eco-friendly animal feed for pigs and chickens that helps reduce methane emissions

Transition to a circular economy and Pollution prevention and control: Products that reduce the use of fertilizers and chemicals; and products with downsized packaging to minimize material usage.

Total Revenues from Eco-Labeled and Sustainable Products and Services (%)



Water Footprint of Products Label



The Department of Groundwater Resources, Ministry of Natural Resources and Environment, and Thailand’s Water Institute for Sustainability, the Federation of Thai Industries, jointly certified Water Scarcity Footprint Label which is referred to the assessment of water use across the entire life cycle of a product, taking into consideration conditions of water scarcity in a particular operational area.

The certifications granted to two of CPF’s Food Processing Poultry Businesses (Saraburi and Minburi 2) for being a part of pilot program. Fresh chicken and tender chicken breast, also received the Water Footprint Label.

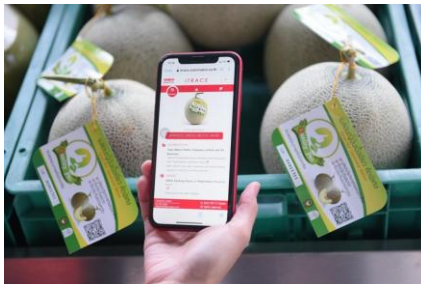
For more information, https://www.cpfworldwide.com/en/sustainability/food/sustainable_food/green_products



Makro Quality Pro (MQP) Label



Makro i-Trace



Makro, one of our retail business has created The Makro Quality Pro (MQP) standard for sorting vegetables and fruits. Attention is given to processes starting from the source farm to the packaging and delivery to consumers. Criteria for selection are as follows:

- Quality fruits with good flavor and are definitely sweet are selected.
- Thai GAP vegetables and fruits are selected according to large size and freshness from Thai agricultural farms with Thai GAP certification.
- Organic vegetables and fruits with no chemicals use, environmentally friendly and certified organic farming standard.
- Vegetables and Fruits are sent to sorting and packing facilities with standards specified by the Ministry of Agriculture and Cooperatives. Most importantly, consumers can scan the Makro i-trace QR codes on MQP vegetables and fruits to trace every process back to the production source.

For more information, <https://makrohorecaacademy.com/en/articles/makro-quality-pro>

The vegetables and fruits which received the Makro Quality Pro label will have 'Makro i-Trace' system.

Makro has developed the 'Makro i-Trace' system, which enables consumers to trace the products sources and information about a product's nutritional qualities using a QR Code displayed on a product's label.

The Energy Label No. 5



Energy Generating Authority of Thailand (EGAT) has introduced energy labels for more categories of products in an effort to promote energy conservation, with the No.5 label for low energy consumption granted for electrical appliances such as air conditioners and refrigerators that pass EGAT’s energy consumption criteria.

The retail businesses of C.P. Group; CPALL, Makro and Lotus are participated to select products with environmental labels to be an option for consumers who want to use sustainable products. We are driving towards sustainable production and consumption and ready to be a part of reducing environmental impacts including pushing the manufacturing industry to pay attention to every production process from raw materials selection to disposal and focus on creating a creative economy and an eco-friendly economy.



Good Agricultural Practices (GAP) Label



A certification system for food crops such as vegetables, fruits, field crops, spices and herbs on every step on farm and postharvest handling where produce is packed and/or collected for sale in order to obtain safe produce of proper quality for consumption by taking into account the environment, worker's health, safety and welfare.

For more information, https://www.acfs.go.th/standard/download/eng/GAP_Food_Crop.pdf.



Chia Tai presents fresh produces from Chia Tai Farm that are certified by GAP, CODEX, GMP and HACCP, such as melons, watermelons, pumpkins. <https://www.chiataigroup.com/en/news-detail/TheFarm2021>



One of the criteria of Makro Quality Pro label is the product need to certify by GAP certification.

<https://makrohorecaacademy.com/en/articles/makro-quality-pro>



Organic Thailand Label

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Organic Thailand is the official organic label by the Department of Agriculture under the Ministry of Agriculture and Cooperatives of Thailand. It indicates that the product has been produced according to the Organic Thailand Agriculture Standard TAS 9001-2003. For more information, <https://www.acfs.go.th/standard/download/eng/TAS-9000.pdf>



Sweet Basil Organic Seeds from Chia Tai are certified by Organic Thailand.



Charoen Pokphand Produce has produced organic fertilizers, and it is certified by GAP and organic Thailand. It is published on CPP sustainability report 2019, Page 11.

International Federation of Organic Agriculture Movements (IFOAM) Label



Certify crop production, processing and handling, wild harvest, and commercial inputs to the ACT (IFOAM Program) Organic Standards by Organic Agriculture Certification Thailand.

For more information, <https://actorganic-cert.or.th/ifoam-program/>.



Chia Tai's organic vegetable seeds (Red Oak, Green Oak, Red Cos and Green Cos) which are proven to be chemical-free and accredited under IFOAM accreditation program by Organic Agriculture Certification Thailand.
<https://www.chiataigroup.com/en/news-detail/FarmFromHomeOrganicSet>

Livestock OK Label



Certification of livestock which are chicken, pork, duck, beef and eggs that the products must come from GAP certificated farms, pesticide residue free, slaughtered at a legal slaughterhouse, sold at a clean, hygienic distribution facility, and must be able to trace products source. It is certified by department of livestock development, ministry of agricultural and cooperatives, Thailand. For more information, <https://certify.dld.go.th/certify/index.php/th/>.



MSC and ASC Label

Marine Stewardship Council (MSC) Label



An ecolabel that is only applied to wild fish or seafood from fisheries that have been certified to the MSC Fisheries Standard, a set of science-based requirements for sustainable fishing. For more information, <https://www.msc.org/>.

Aquaculture Stewardship Council (ASC) Label



Products bearing the ASC label come from fish farms that have met these standards. The on-pack label demonstrates to consumers that their seafood comes from farms that limit their impacts on the environment and the community. For more information, <https://www.asc-aqua.org/>.

KHAO C.P. SUSTAINABILITY Label



CASE STUDY

Sustainable Agriculture

C.P. Intertrade Company Limited, affiliated companies in the rice, transport and service businesses, together with government agencies, have collaborated on a project to develop traceability through the Sustainable Rice Production (SRP) Standard in the Pracharat Rice Scheme in order to encourage our agricultural partners to acquire correct rice cultivation knowledge and ability according to food safety principles, implement an efficient management system and operate on the basis of social and environmental responsibility.



Number of rice products received KHAO C.P. SUSTAINABILITY label **59,574 tons**

 Manufacturing Capital

The project focuses on providing knowledge to farmers enrolled in this project on how to grow jasmine rice correctly which has been certified by the Department of Rice's GAP System. We have an upstream raw material development team on site and ready to offer consultation in every production processes. Come harvest time, the company will purchase rice from the aforementioned farmers at market price plus an additional 300 baht per ton to increase the farmers' income and create sustainability in Thailand's agricultural system.

Also, produced through Sustainable Rice Farming Practices, this rice is cultivated with methods that significantly reduce methane emissions from paddy fields. By lowering greenhouse gas emissions, it contributes directly to climate change mitigation while promoting environmental stewardship, farmer well-being, and long-term food security.

For more information, <https://www.khaotrachat.com/chatsmartfarmer/>

VG For Love by CP RAM – Sustainable Plant-Based Foods



VG For Love, developed by CP RAM, represents a key innovation in advancing sustainable food solutions. As a range of plant-based products, it is designed to provide consumers with nutritious and environmentally responsible alternatives to conventional animal-based foods. By utilizing plant-based ingredients, VG For Love significantly reduces the reliance on livestock production, which is one of the largest contributors to greenhouse gas emissions globally. This transition directly supports climate change mitigation through the reduction of carbon dioxide and methane emissions, while also conserving natural resources such as land and water.

In addition, VG For Love aligns with international sustainability frameworks and contributes to the achievement of the United Nations Sustainable Development Goals (SDGs), particularly those related to responsible consumption and production, climate action, and good health and well-being. Through these efforts, CP RAM demonstrates its commitment to fostering a resilient, low-carbon food system and promoting long-term environmental stewardship.

For more information, <https://www.cpram.co.th/en/product-frozen-food/13/Plant-Based-Products>

MEAT ZERO by CPF – Sustainable Plant-Based Foods



MEAT ZERO by CP Foods is a plant-based meat innovation developed with proprietary PLANT-TEC technology to replicate the taste and texture of real meat while offering a nutritious and affordable alternative. By shifting consumer diets from animal-based proteins to plant-based options, MEAT ZERO significantly reduces greenhouse gas emissions, particularly methane from livestock farming, and conserves natural resources such as land and water. This transition plays a vital role in global climate change mitigation and directly supports CP Foods' commitment to achieving Net-Zero greenhouse gas emissions by 2050, while also promoting sustainable consumption, healthier lifestyles, and long-term food security.

For more information, <https://www.meatzero.brand.com/en/>

Sustainable Packaging Products

Reducing plastic thickness

CP ALL in collaboration with partners, designs packaging with optimized thickness to ensure functional efficiency and product protection while minimizing plastic usage.

Banana packaging



CP ALL reduced the plastic thickness from 30 microns to 25 microns, resulting in a total plastic reduction of 35.33 tonnes.

Frozen products – 7-Fresh two-compartment Tray



CP ALL developed plastic resin and reduced the plastic thickness from 0.92 mm to 0.82 mm, leading to a total plastic reduction of 32.18 tonnes.

Im-khum salad tray



CP ALL reduced the plastic thickness from 0.5 mm to 0.4 mm, leading to a total plastic reduction of 93.14 tonnes.

Food place (New design)



CP ALL introduced a new rectangular design for the Food Place tray and lid, reducing thickness and plastic usage by 7.5 grams per piece, resulting in a total plastic reduction of 61.14 tonnes.

Stickers for frozen products



CP ALL reduced the sticker thickness for frozen products from 90 microns to 80 microns, leading to a total plastic reduction of 5.40 tonnes.

Banding plastic



Redesign of banding plastic for sushi trays by modifying the banding placement, plastic usage was reduced by 0.215 grams per piece, resulting in a total plastic reduction of 0.71 tonnes.

Collaboration with suppliers to modify packaging designs and production methods

Single-compartment tray (New design)



CP ALL replaced the plastic lid with a sticker by using a top seal film, resulting in a total plastic reduction of 97.02 tonnes.

Two-compartment tray (Top seal)



CP ALL introduced a new design, replacing the plastic lid with a sticker with a top seal film, resulting in a total plastic reduction of 16.94 tonnes.

Toasted bread paper bag



CP ALL replaced PE-coated paper with grease-proof paper, resulting in a total plastic reduction of 11.73 tonnes.

21-Ounce food cup



CP ALL modified the plastic formulation used in packaging production, reducing plastic usage by 2.70 grams per piece, resulting in a total plastic reduction of 27.26 tonnes.

Cold dessert cup



CP ALL introduced a new design, reducing plastic usage by 0.70 grams per piece, resulting in a total plastic reduction of 0.63 tonnes.

22-Ounce ice cup



CP ALL changed the production process from Injection Molding to Thermoforming and switched the material from PP (Polypropylene) to PET (Polyethylene Terephthalate), reducing plastic usage by 7.50 grams per piece, resulting in a total plastic reduction of 358.53 tonnes.

Short spoon (New design)



CP ALL introduced a new design, reducing plastic usage by 0.28 grams per piece, resulting in a total plastic reduction of 68.10 tonnes.

Cold drink lid PP (New design)



CP ALL developed the new PP cold drink lid, replacing PET with PP to ensure the material matches the cup (D4R concept). This change reduced plastic usage by 4.00 grams per piece, resulting in a total plastic reduction of 101.78 tonnes.

For more information, <https://www.cpass.co.th/wp-content/uploads/2025/03/CP-ALL-SR-2024.pdf>, pdf page 82-86.