

1.

Food-related Products

PCR Name	PCR ID
●Vegetables and Fruits	PA-BF
●Mushroom	PA-BW
●Broadly-applicable PCR (Non-energy-using Consumer Goods)	PA-BR
●Hams and Sausages	PA-AI
●Processed Sea Food	PA-CM
●Market poultry eggs.....	PA-CN
●Nonglutinous Rice (Japonica)	PA-AA
●Cooked and Sealed Rice	PA-AH
●Candy (soy sauce taste)	PA-AE
●Soft Drink	PA-BX
●Instant Coffee	PA-AM
●Rapeseed oil.....	PA-AB
●Feed-Use L-Amino Acids (Intermediate Goods)	PA-BU
●Organic Liquid Fertilizer	PA-AN

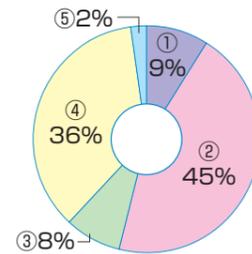
N.B. The PCR codes shown do not include the edition numbers.

Note

- Out of the products which were given verification of their carbon footprints of products (CFP), those representative from each category (use) have been selected and introduced, focusing on products that were displayed in the 2011 Eco-Products exhibition. Regarding all the products, please refer to the list of products authorized to use the CFP label, at the back.
- The calculation coverage for carbon footprints has partly changed in FY2010 from that of FY2009. The Sales Process in the Transport/Sale Stage in FY2009 was eliminated in FY2010 as a tentative measure during the pilot project period.
- With regard to the lower section "Percentage of CO₂ emissions" for each product, an entry of "0%" in that section for a final product indicates that no CO₂ is emitted during the said process of that product. An entry of "-" for intermediate goods indicates that the said process is not included in the calculation coverage.

1. Food-related Products

Company name	AEON TOPVALU Co.,Ltd	
Product name	TOPVALU GreenEye Green Pepper from Miyazaki	Final Product
PCR Name & ID	Vegetables and Fruits	PA-BF-04
Product Outline (Verified in FY2011)	TOPVALU GreenEye green peppers from Miyazaki (packaged in a small plastic bag), cultivated with forcing culture by a restricted number of producers	



0.4kg CO₂

カーボンフットプリント 0.4kg

試行事業
http://www.cfp-japan.jp
検証番号: CV-BF04-001

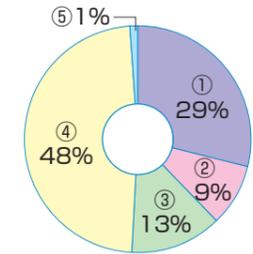
※栽培データ: 2010年2月~2010年11月
※CO₂排出量には「調理」及び「冷蔵保存」による排出量を含む

▶ Cooperation was obtained from the Miyazaki Brand Promotion Head Office of Miyazaki Prefecture and JA Miyazaki, and JA Ebinoshi in the collection and calculation of data.

Process	① Acquisition of raw materials	② Production	③ Transport	④ Use/maintenance	⑤ Disposal/recycle	Total amount (kg-CO ₂ /100g of product)
Percentage of CO ₂ emissions	9%	45%	8%	36%	2%	0.4kg

JA北はるか HOKUREN JA Kitaharuka

Company name	HOKUREN JA Kitaharuka	
Product name	Pumpkin produced in Hokkaido (JA Kitaharuka)	Final Product
PCR Name & ID	Vegetables and Fruits	PA-BF-04
Product Outline (Verified in FY2011)	Pumpkins produced in the district under JA Kitaharuka and mainly sold in pre-cut pieces (As one pumpkin weighs between 1.5-2 kgs, the weight of one product is between 400-500 g, if the cut piece is one-quarter-size, which is most common.)	



0.238kg CO₂

CO₂の「見える化」
カーボンフットプリント 0.238kgあたり

試行事業
http://www.cfp-japan.jp
検証番号: CV-BF04-003

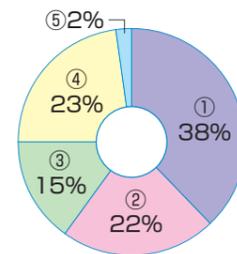
①Cultivation data: Jan. 2010 - Dec. 2010
②Emissions due to cooking and chilled storage are included in the amount of CO₂ emission.

▶ As the JA storehouse utilizes outside air in adjusting the inside temperature, electricity consumption is low and the amount of CO₂ emissions can be kept low.
▶ Through making good use of the local dairy industry, organic fertilizers such as compost are used generously, thus being environmentally-friendly.
▶ Ingenuity is important in regard to cooking and chilled storage which have large amounts of emission.

Process	① Acquisition of raw materials	② Production	③ Transport	④ Use/maintenance	⑤ Disposal/recycle	Total amount (g-CO ₂ /100g of product)
Percentage of CO ₂ emissions	29%	9%	13%	48%	1%	0.238kg

JA北はるか HOKUREN JA Kitaharuka

Company name	HOKUREN JA Kitaharuka	
Product name	Tomato produced in Hokkaido (JA Kitaharuka)	Final Product
PCR Name & ID	Vegetables and Fruits	PA-BF-04
Product Outline (Verified in FY2011)	Tomatoes produced with special cultivation standards in the district under JA Kitaharuka, are retailed with the name of "Fruit Tomato" due to a cultivation method in which the amount of irrigation is restricted to raise the sugar content. A package of 2-3 tomatoes, on a plastic tray wrapped with film, is the most common type of product and it is not sold according to weight.	



0.305kg CO₂

CO₂の「見える化」
カーボンフットプリント 0.305kgあたり

試行事業
http://www.cfp-japan.jp
検証番号: CV-BF04-002

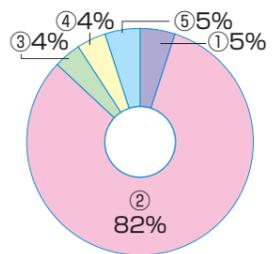
①Cultivation data: Jan. 2010 - Dec. 2010
②Emissions due to "cooking" and "chilled storage" are included in the CO₂ emission amount.

▶ Through special cultivation standards, consideration is given to consumption safety and security as well as the environment, while CO₂ emissions from the manufacture and transportation of fertilizers and agricultural chemicals are also reduced.
▶ Irregular tomatoes rejected in the sorting by JA are processed into juice at the neighbouring factory, so not much waste occurs.

Process	① Acquisition of raw materials	② Production	③ Transport	④ Use/maintenance	⑤ Disposal/recycle	Total amount (g-CO ₂ /100g of product)
Percentage of CO ₂ emissions	38%	22%	15%	23%	2%	305g

KUBO.COM

Company name	Kubo Kogyo Co., Ltd. (Main office: Uchiko-cho, Kita-gun, Ehime Prefecture)	
Product name	Shiitake cultivated on mushroom beds (100g tray)	Final Product
PCR Name & ID	Mushroom	PA-BW-01
Product Outline (Verified in FY2010)	Raw shiitake cultivated on mushroom beds. The weight of the product is at time of shipment, excluding packaging materials.	



474g CO₂

カーボンフットプリント 474gあたり

試行事業
http://www.cfp-japan.jp
検証番号: CV-BW01-001

474 g/100 g of shiitake
Cultivation data: Jan. 2010 - Dec. 2010
Emissions due to cooking and chilled storage are included in the amount of CO₂ emission.
The amount of CO₂ emissions per retail unit (100g at time of shipment): 474 g
To reduce the amount of CO₂ emissions at the place of cultivation, some of the fuel used by heating equipment comes from wooden pellets.

▶ A safe and secure product cultivated without any agricultural chemicals and additive free.
▶ Reduced CO₂ emissions through use of wooden biomass fuel for heating equipment
▶ Recycling of waste packaging material such as cardboard, etc.
▶ Waste mushroom bed material is composted and so together with its appeal as an environmentally-friendly and also highly trustworthy agricultural product, based on evaluations from third parties, market expansion is being targeted.

Process	① Acquisition of raw materials	② Production	③ Transport	④ Use/maintenance	⑤ Disposal/recycle	Total amount (g-CO ₂ /100g of product)
Percentage of CO ₂ emissions	5%	82%	4%	4%	5%	474g

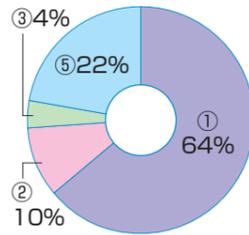
- 1. Food-related Products
- 2. Lifestyle Products
- 3. Clothing-related Products
- 4. Printing-related Products
- 5. Office-related Products
- 6. Engineering- and Construction-related Products
- 7. Other Industrial Products

1. Food-related Products



NIHON SHOKKEN

Company name	Nihon Shokken Holdings Co., Ltd.	
Product name	Steak sauce with grated daikon 210g	Final Product
PCR Name & ID	Broadly-applicable PCR (Non-energy-using Consumer Goods)	PA-BR-01
Product Outline (Verified in FY2010)	Product weight: 210g (net weight only)	

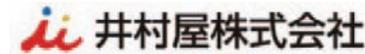


広範囲 PCR
424g
CO₂

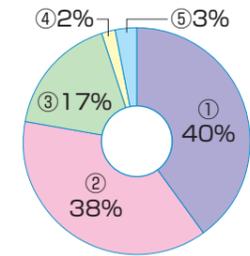
カーボンフットプリント試行事業
<http://www.cfp-japan.jp>
検証番号: CV-BR01-001

- ▶ The raw material acquisition stage and the disposal and recycling stage composed 85% of the total emissions. As a result of a detailed analysis, GHG emissions deriving from the packaging materials were found to be the greatest.
- ▶ In the future, attention will be placed on reducing the environmental load caused by the packaging materials.

Process	① Acquisition of raw materials	② Production	③ Transport	④ Use/maintenance	⑤ Disposal/recycle	Total amount (g-CO ₂ /product)
Percentage of CO ₂ emissions	64%	10%	4%	0%	22%	424g



Company name	IMURAYA CO., LTD.	
Product name	FROZEN SWEET AZUKI BEAN BARS	Final Product
PCR Name & ID	Broadly-applicable PCR (Non-energy-using Consumer Goods)	PA-BR-01
Product Outline (Verified in FY2010)	Net weight: 14.6oz (414g) 65mlx6Bars	



広範囲 PCR
630g
CO₂

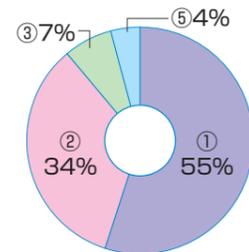
カーボンフットプリント試行事業
<http://www.cfp-japan.jp>
検証番号: CV-BR01-003

- ▶ From the management policy that "Ecology is economical," Imuraya is working towards making visible CO₂ emissions for raw materials acquisition, production, the transport of products, consumption and disposal. Enjoying the patronage of many customers, shipment volume reaches 200 million per year. This product has an extremely high degree of exposure with customers.

Process	① Acquisition of raw materials	② Production	③ Transport	④ Use/maintenance	⑤ Disposal/recycle	Total amount (g-CO ₂ /product)
Percentage of CO ₂ emissions	40%	38%	17%	2%	3%	630g



Company name	DENROKU CO.,LTD.	
Product name	POLIPPY SHIOAJI	Final Product
PCR Name & ID	Broadly-applicable PCR (Non-energy-using Consumer Goods)	PA-BR-01
Product Outline (Verified in FY2010)	Net weight: 60g The calculated value includes the sealed bags and the internal and external boxes when being transported in the transportation stage.	



広範囲 PCR
183g
CO₂

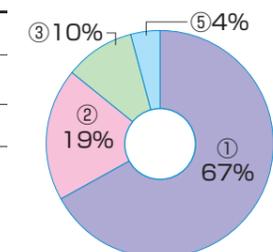
カーボンフットプリント試行事業
<http://www.cfp-japan.jp>
検証番号: CV-BR01-002

- ▶ Denroku is making efforts to contribute to the realization of a low-carbon society by sharing information through the visualization of CFP.
- ▶ From February 2011, products with the CFP mark are being sold throughout Japan.

Process	① Acquisition of raw materials	② Production	③ Transport	④ Use/maintenance	⑤ Disposal/recycle	Total amount (g-CO ₂ /product)
Percentage of CO ₂ emissions	55%	34%	7%	0%	4%	183g



Company name	Bourbon Corporation	
Product name	Butter Cookies (butter content of 5%)	Final Product
PCR Name & ID	Broadly-applicable PCR (Non-energy-using Consumer Goods)	PA-BR-01
Product Outline (Verified in FY2009)	Net weight: 112.5g for 15cookies ※N.B. One cookie@7.5g×15cookies = 112.5g (excluding packaging materials)	



広範囲 PCR
430g
CO₂

カーボンフットプリント試行事業
<http://www.cfp-japan.jp>
検証番号: CV-BR01-005



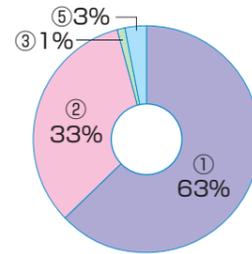
- ▶ In this product, approximately 50% of CO₂ emissions occur in the raw material acquisition stage and approximately 20% occur in the packaging material acquisition stage.
- ▶ This is a shelf-stable food product and therefore, no emissions occur at the stage of use and maintenance stages.

Process	① Acquisition of raw materials	② Production	③ Transport/sales	④ Use/maintenance	⑤ Disposal/recycle	Total amount (g-CO ₂ /product)
Percentage of CO ₂ emissions	67%	19%	10%	0%	4%	430g

1. Food-related Products
2. Lifestyle Products
3. Clothing-related Products
4. Printing-related Products
5. Office-related Products
6. Engineering- and Construction-related Products
7. Other Industrial Products

1. Food-related Products

Company name	Kasho Sanzen.Co., Ltd.	
Product name	Madeleine	Final Product
PCR Name & ID	Broadly-applicable PCR (Non-energy-using Consumer Goods)	PA-BR-01
Product Outline (Verified in FY2010)	Net weight: 75g Gross weight: 80.6g (including packaging, paper cups and oxygen absorber) Raw materials: eggs, flour, sugar, butter, raw cream, fat, almond powder, honey, dairy products, starch, salt, trehalose and baking powder (Some of the raw materials contain soybeans.)	



広範囲 PCR
492g
CO₂

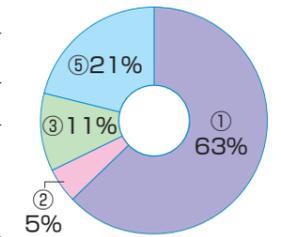
カーボンフットプリント試行事業
<http://www.cfp-japan.jp>
検証番号: CV-BR01-009

▶ As the raw material acquisition stage accounts for a large percentage of CO₂ emissions, the source of acquisition needs to be re-examined in the future.

Process	① Acquisition of raw materials	② Production	③ Transport	④ Use/maintenance	⑤ Disposal/recycle	Total amount (g-CO ₂ /product)
Percentage of CO ₂ emissions	63%	33%	1%	0%	3%	492g

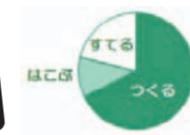
OHKI Co., Ltd.

Company name	OHKI Co., Ltd.	
Product name	COFFEE PACHIT 100pcs	Final Product
PCR Name & ID	Broadly-applicable PCR (Non-energy-using Consumer Goods)	PA-BR-01
Product Outline (Verified in FY2011)	Product weight: 168g (100 pieces, including packaging materials)	



広範囲 PCR
7.12g
CO₂

CO₂の「見える化」
カーボンフットプリント
パチット 1個あたり
<http://www.cfp-japan.jp>
検証番号: CV-BR01-010



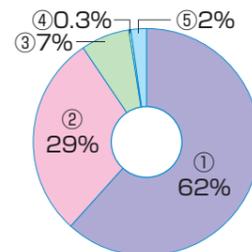
Coffee + Pachit = Delicious Coffee & Eco-friendly!

- ▶ Delicious, but no electricity (extracting)
- ▶ Eco-friendly nonwoven filter
- ▶ Simple packaging

Process	① Acquisition of raw materials	② Production	③ Transport	④ Use/maintenance	⑤ Disposal/recycle	Total amount (g-CO ₂ /product)
Percentage of CO ₂ emissions	63%	5%	11%	0%	21%	7.12g

A-FACTORY

Company name	JR East Aomori Business Development Company Co.Ltd A-FACTORY	
Product name	AOMORI CIDRE sparkling standard 750ml	Final Product
PCR Name & ID	Broadly-applicable PCR (Non-energy-using Consumer Goods)	PA-BR-01
Product Outline (Verified in FY2011)	Gross weight: 1620g (Net weight: 750ml, bottle: 900g, cap: 3.12g, foil cap: 2.04g, label: 4.2g)	



広範囲 PCR
4.37kg
CO₂

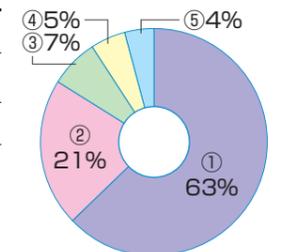
CO₂の「見える化」
カーボンフットプリント
<http://www.cfp-japan.jp>
検証番号: CV-BR01-013

This is the first time that we carried out an analysis of CO₂ emissions through CFP, and we understood well at which stage CO₂ emissions occurred. In using this result for reference, we hope to make a product that is even more environmentally-friendly by reviewing raw material acquisition methods and reducing production costs.

Process	① Acquisition of raw materials	② Production	③ Transport	④ Use/maintenance	⑤ Disposal/recycle	Total amount (kg-CO ₂ /product)
Percentage of CO ₂ emissions	62%	29%	7%	0.3%	2%	4.37kg

ニッポンハム

Company name	Nippon Meat Packers, Inc.	
Product name	Mori-no-Kaori Loin Ham	Final Product
PCR Name & ID	Hams and Sausages	PA-AI-03
Product Outline (Verified in FY2010)	Net weight: 60g (The carbon footprint value includes wrapping.)	



233g
CO₂

カーボンフットプリント
試行事業
<http://www.cfp-japan.jp>
検証番号: CV-AI03-004



▶ Efforts for the visualization of CO₂ from products began with the Mori-no-Kaori series.

▶ Efforts will be further advanced towards visualization and reduction of the environment load.

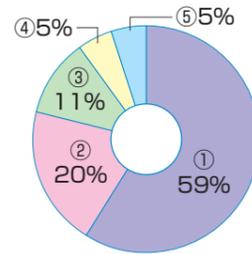
Process	① Acquisition of raw materials	② Production	③ Transport	④ Use/maintenance	⑤ Disposal/recycle	Total amount (g-CO ₂ /product)
Percentage of CO ₂ emissions	63%	21%	7%	5%	4%	233g

- 1. Food-related Products
- 2. Lifestyle Products
- 3. Clothing-related Products
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- 5. Office-related Products
- 6. Engineering- and Construction-related Products
- 7. Other Industrial Products

1. Food-related Products



Company name	Nippon Meat Packers, Inc.	
Product name	Mori-no-Kaori Ham	Final Product
PCR Name & ID	Hams and Sausages	PA-AI-03
Product Outline (Verified in FY2010)	Net weight: 53g (The carbon footprint value includes wrapping.)	

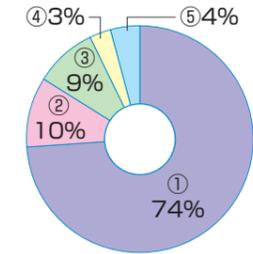


- ▶ Efforts for the visualization of CO₂ from products began with the Mori-no-Kaori series.
- ▶ Efforts will be further advanced towards visualization and reduction of the environment load.

Process	① Acquisition of raw materials	② Production	③ Transport	④ Use/maintenance	⑤ Disposal/recycle	Total amount (g-CO ₂ /product)
Percentage of CO ₂ emissions	59%	20%	11%	5%	5%	217g



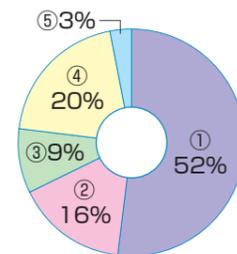
Company name	Aeon Co., Ltd.	
Product name	Topvalu Raw Ham 100g	Final Product
PCR Name & ID	Hams and Sausages	PA-AI-03
Product Outline (Verified in FY2010)	Unheated meat product Name: Lachs ham (sliced) Net weight: 100g	



Process	① Acquisition of raw materials	② Production	③ Transport	④ Use/maintenance	⑤ Disposal/recycle	Total amount (g-CO ₂ /product)
Percentage of CO ₂ emissions	74%	10%	9%	3%	4%	831g



Company name	Nippon Meat Packers, Inc.	
Product name	Mori-no-Kaori Shin Arabiki Wiener sausages	Final Product
PCR Name & ID	Hams and Sausages	PA-AI-03
Product Outline (Verified in FY2010)	Net weight: 97g (The carbon footprint value includes wrapping.)	

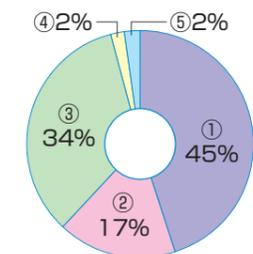


- ▶ Efforts for the visualization of CO₂ from products began with the Mori-no-Kaori series.
- ▶ Efforts will be further advanced towards visualization and reduction of the environment load.

Process	① Acquisition of raw materials	② Production	③ Transport	④ Use/maintenance	⑤ Disposal/recycle	Total amount (g-CO ₂ /product)
Percentage of CO ₂ emissions	52%	16%	9%	20%	3%	434g



Company name	Japanese Consumers' Co-operative Union	
Product name	CO-OP Loin Ham 90g	Final Product
PCR Name & ID	Hams and Sausages	PA-AI-03
Product Outline (Verified in FY2011)	Name: Unsalted ham (sliced) Net weight: 90g Storage method: keep refrigerated at between 0°C and 10°C	



- ▶ Calculated for considering the possibility of the use as a communication tool for making customers aware of greenhouse gases and for reduction.
- ▶ CO₂ emissions are high at the stages of raw material acquisition, production and transport.

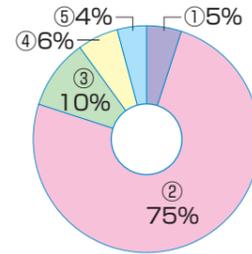
Process	① Acquisition of raw materials	② Production	③ Transport	④ Use/maintenance	⑤ Disposal/recycle	Total amount (g-CO ₂ /product)
Percentage of CO ₂ emissions	45%	17%	34%	2%	2%	457g

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7. Other Industrial Products

1. Food-related Products

生活協同組合連合会 ユーコープ事業連合

Company name	U CO-OP	
Product name	CO-OP, Green Program, Grilled Eel produced in Shizuoka (Whole)	Final Product
PCR Name & ID	Processed Sea Food	PA-CM-01
Product Outline (Verified in FY2011)	Name: Grilled eel Net weight: One whole eel, sauce 30ml (15ml x 2), Japanese pepper 0.4g (0.2g x 2) Storage method: keep refrigerated at between 0°C and 10°C	



5.89kg
CO₂
CO₂の「見える化」
カーボンフットプリント
<http://www.cfp-japan.jp>
検証番号: CV-CM01-002

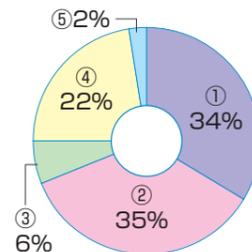
Calculated with the cooking method as being heated for one minute 10 seconds in a microwave oven at 600W.

- ▶ Farming of the eels is restricted to nine producers in Shizuoka prefecture and the local fishermen's cooperative processed the eels by grilling.
- ▶ The record can be traced from the farm to producing the grilled eel.

Process	① Acquisition of raw materials	② Production	③ Transport	④ Use/maintenance	⑤ Disposal/recycle	Total amount (kg-CO ₂ /product)
Percentage of CO ₂ emissions	5%	75%	10%	6%	4%	5.89kg

JA全農たまご株式会社

Company name	JA ZEN-NOH Tamago Co.,Ltd	
Product name	Iwate Farm's Egg	Final Product
PCR Name & ID	Market poultry eggs	PA-CN-01
Product Outline (Verified in FY2011)	Domestically-produced eggs, pack of 10 (egg weight: between 52g (MS) and 76g (LL))	

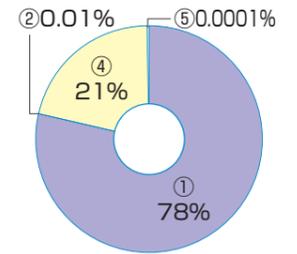


269g
CO₂
CO₂の「見える化」
カーボンフットプリント
内容量 100g あたり
<http://www.cfp-japan.jp>
検証番号: CV-CN01-010

- ▶ These eggs produced in Iwate Prefecture are a secure product and the producer is identifiable.

Process	① Acquisition of raw materials	② Production	③ Transport	④ Use/maintenance	⑤ Disposal/recycle	Total amount (g-CO ₂ /product)
Percentage of CO ₂ emissions	34%	35%	6%	22%	2%	269g

Company name	JA Lake Otsu	
Product name	Hanafuji Rice	Final Product
PCR Name & ID	Nonglutinous Rice (Japonica)	PA-AA-02
Product Outline (Verified in FY2010)	At JA's direct sales store, Green Farm, rice is freshly milled and sold after receiving the order for the amount from customers (rice milling at the store method).	



1.31kg
CO₂
カーボンフットプリント試行事業
<http://www.cfp-japan.jp>
検証番号: CV-AA02-001

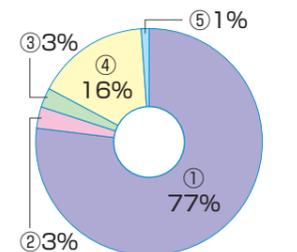
Compared to Kankyo Kodawari Rice (JA Lake Otsu) (CV-AA02-002), as Hanafuji Rice (JA Lake Otsu) does not use fertilizer in the rice paddies, its CO₂ emissions are reduced by 28%.

- ▶ By using green manure, cultivation is achieved by hardly using any fertilizers which emit large amounts of GHG in the manufacturing and transport stages.
- ▶ As production and retail is carried out locally for "local production for local consumption", the transport process is minimal.
- ▶ As agricultural chemicals are half or less than the usual practice, cultivation meets standards for Shiga Prefecture's certification of "Eco-friendly agricultural products" that give consideration to Lake Biwa and its surrounding environment.

Process	① Acquisition of raw materials	② Production	③ Transport	④ Use/maintenance	⑤ Disposal/recycle	Total amount (kg-CO ₂ /product)
Percentage of CO ₂ emissions	78%	0.01%	0%	21%	0.0001%	1.31kg

AEON

Company name	Ritsumeikan University, Aeon Co., Ltd., JA Kitabiwako, Shinmei Co., Ltd., Yamato Sangyo Co., Ltd.	
Product name	TOPVALU Green Eye specially-cultivated rice: Koshihikari	Final Product
PCR Name & ID	Nonglutinous Rice (Japonica)	PA-AA-02
Product Outline (Verified in FY2010)	General specifications of the product: 1. Shiga Prefecture JA Kitabiwako cultivation managed by cultivation standards 2. Nonglutinous rice (variety: Koshihikari) 3. After milling, rice is packed into bags in 4 kg amounts for retail.	



7.4kg
CO₂
カーボンフットプリント試行事業
<http://www.cfp-japan.jp>
検証番号: CV-AA02-006

- ▶ CFP calculation was carried out with the cooperation of JA Kitabiwako who provided data and Ritsumeikan University who helped calculating the data.

Process	① Acquisition of raw materials	② Production	③ Sales/transport	④ Use/maintenance	⑤ Disposal/recycle	Total amount (kg-CO ₂ /product)
Percentage of CO ₂ emissions	77%	3%	3%	16%	1%	7.4kg

1. Food-related Products

2. Lifestyle Products

3. Clothing-related Products

4. Printing-related Products

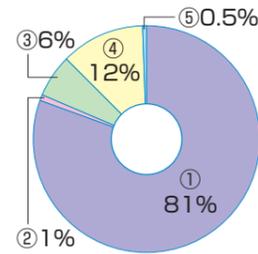
5. Office-related Products

6. Engineering- and Construction-related Products

7. Other Industrial Products

1. Food-related Products

Company name	Miyagi Rice Co., Ltd.	
Product name	Miyagi No Hitomebore (Miyagi Rice) 5kg	Final Product
PCR Name & ID	Nonglutinous Rice (Japonica)	PA-AA-02
Product Outline (Verified in FY2011)	1. Singular variety of rice produced in Miyagi Prefecture 2. Nonglutinous rice (variety: Hitomebore) milled and bagged 3. Outside measurements: 470mm×300mm; weight: 0.021kg; material: polyethylene	



13.1kg
CO₂

CO₂の「見える化」
カーボンフットプリント
<http://www.cfp-japan.jp>
検証番号: CV-AA02-007

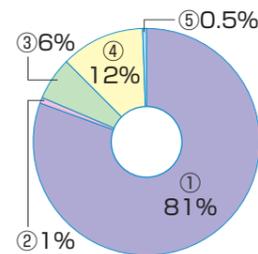
Data collection period: September 1, 2009 – August 31, 2010
2009 Statistics of Agriculture, Forestry and Fisheries of Miyagi Prefecture, production costs for 2009 produce rice, and some data about cultivation from JA Miyagi Tome, JA Furukawa, JA Kurikko, JA Kamiyotsuba was used, and CO₂ emissions for rice cooking are included too.

▶ This is the nation's first initiative for "Rice" as the staple food which can be easily bought at supermarkets and retail stores close to local consumers and produced by 70-80% of farmers (producers) in Miyagi prefecture.

Process	① Acquisition of raw materials	② Production	③ Transport	④ Use/maintenance	⑤ Disposal/recycle	Total amount (kg-CO ₂ /product)
Percentage of CO ₂ emissions	81%	1%	6%	12%	0.5%	13.1kg

タカラ米穀株式会社

Company name	Takara Rice Co., Ltd.	
Product name	Miyagi Kennsan Hitomebore (Takara Rice) 5kg	Final Product
PCR Name & ID	Nonglutinous Rice (Japonica)	PA-AA-02
Product Outline (Verified in FY2011)	1. Singular variety of rice produced in Miyagi Prefecture 2. Nonglutinous rice (variety: Hitomebore) 3. Outside measurements of the rice bag: 470mm×280mm; weight: 0.019kg; material: polyethylene	



13.1kg
CO₂

CO₂の「見える化」
カーボンフットプリント
<http://www.cfp-japan.jp>
検証番号: CV-AA02-009

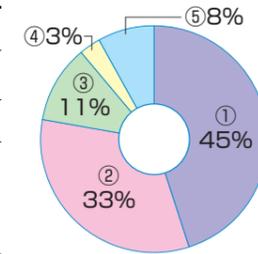
Data collection period: September 1, 2009 – August 31, 2010
2009 Statistics of Agriculture, Forestry and Fisheries of Miyagi Prefecture, production costs for 2009 produce rice, and some data about cultivation from JA Miyagi Tome, JA Furukawa, JA Kurikko, JA Kamiyotuba was used, and CO₂ emissions for rice cooking are included too.

▶ This is the nation's first initiative for "Rice" as the staple food which can be easily bought at supermarkets and retail stores close to local consumers and produced by 70-80% of farmers (producers) in Miyagi prefecture.

Process	① Acquisition of raw materials	② Production	③ Transport	④ Use/maintenance	⑤ Disposal/recycle	Total amount (kg-CO ₂ /product)
Percentage of CO ₂ emissions	81%	1%	6%	12%	0.5%	13.1kg

AEON

Company name	Aeon Co., Ltd.	
Product name	TOPVALU Rice: Koshihikari from Fukushima	Final Product
PCR Name & ID	Cooked and Sealed Rice	PA-AH-01
Product Outline (Verified in FY2009)	Uses Koshihikari rice from Fukushima prefecture Net weight: 200g	



0.5kg
CO₂

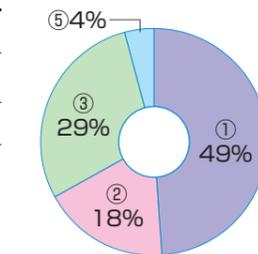
カーボンフットプリント試行事業
<http://www.cfp-japan.jp>
検証番号: CV-AH-001

▶ The transport from the manufacturing plant to Aeon's distribution warehouse is carried out as a package deal and a 10t truck is fully loaded, raising the transport effectiveness and thus keeping CO₂ emissions low.

Process	① Acquisition of raw materials	② Production	③ Sales/transport	④ Use/maintenance	⑤ Disposal/recycle	Total amount (kg-CO ₂ /product)
Percentage of CO ₂ emissions	45%	33%	11%	3%	8%	0.5kg

KANRO

Company name	Kanro Co., Ltd.	
Product name	Kanro-ame Candy	Final Product
PCR Name & ID	Candy (soy sauce taste)	PA-AE-01
Product Outline (Verified in FY2009)	Net weight: 155g (including individual wrapping) Approx. 21candies	



584g
CO₂

カーボンフットプリント試行事業
<http://www.cfp-japan.jp>
検証番号: CV-AE-001

▶ The raw material acquisition and production stages account for 70% of CO₂ emissions.
▶ Continually carrying out improvement of the productivity of this long-selling item leads to reducing the environmental load.

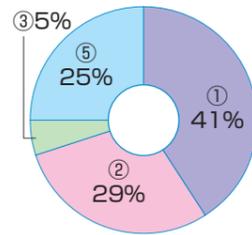
Process	① Acquisition of raw materials	② Production	③ Transport/sales	④ Use/maintenance	⑤ Disposal/recycle	Total amount (g-CO ₂ /product)
Percentage of CO ₂ emissions	49%	18%	29%	0%	4%	584g

- 1. Food-related Products
- 2. Lifestyle Products
- 3. Clothing-related Products
- 4. Printing-related Products
- 5. Office-related Products
- 6. Engineering- and Construction-related Products
- 7. Other Industrial Products

1. Food-related Products



Company name	NIHON ASUPARAGUS Co., Ltd.	
Product name	500ml Natural water (Mt. Iwanaidake in Niseko mountain range)	Final Product
PCR Name & ID	Soft Drink	PA-BX-01
Product Outline (Verified in FY2011)	One bottle (500ml) at 533g Soft drink: Natural water (spring water), deep-sea water (mineral rich water)	

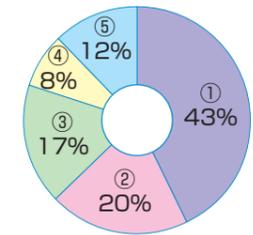


▶ To reduce the amount of energy used within the plant during the production stage, non-heat use, together with inverting of the heat pump and motor pumps is carried out.

Process	① Acquisition of raw materials	② Production	③ Transport	④ Use/maintenance	⑤ Disposal/recycle	Total amount (g-CO ₂ /product)
Percentage of CO ₂ emissions	41%	29%	5%	0%	25%	347g



Company name	Aeon Co., Ltd.	
Product name	TOPVALU Canola Oil	Final Product
PCR Name & ID	Rapeseed oil	PA-AB-01
Product Outline (Verified in FY2009)	<ul style="list-style-type: none"> Name: Rapeseed cooking oil Net weight: 1000g Raw material: Rapeseed cooking oil 	



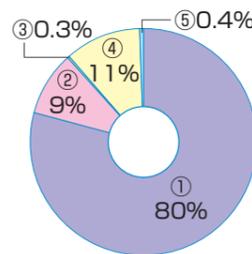
カーボンフットプリント試行事業
http://www.cfp-japan.jp
検証番号: CV-AB-001

▶ As the raw material (rape plants) is imported from overseas, the raw material acquisition stage accounts for the large percentage. CO₂ emissions make up 17% due to the 1000g net weight of the product being heavy.
▶ While not detracting from usability, efforts will be made to make the container lighter.

Process	① Acquisition of raw materials	② Production	③ Sales/transport	④ Use/maintenance	⑤ Disposal/recycle	Total amount (kg-CO ₂ /product)
Percentage of CO ₂ emissions	43%	20%	17%	8%	12%	1.4kg



Company name	Aeon Co., Ltd.	
Product name	TOPVALU Spray Dry Instant Coffee 200g	Final Product
PCR Name & ID	Instant Coffee	PA-AM-02
Product Outline (Verified in FY2010)	Spray dry coffee: 200g Wrapping material: 11.1g	



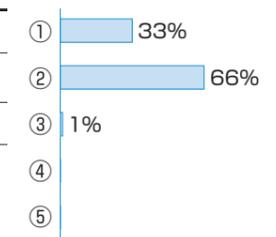
カーボンフットプリント試行事業
http://www.cfp-japan.jp
検証番号: CV-AM02-001



Process	① Acquisition of raw materials	② Production	③ Transport	④ Use/maintenance	⑤ Disposal/recycle	Total amount (kg-CO ₂ /product)
Percentage of CO ₂ emissions	80%	9%	0.3%	11%	0.4%	7.6kg



Company name	AJINOMOTO CO., INC.	
Product name	L-Lysine Monohydrochloride (For Feed)	Intermediate Goods
PCR Name & ID	Feed-Use L-Amino Acids (Intermediate Goods)	PA-BU-01
Product Outline (Verified in FY2011)	Net weight: 25kg Product weight (including packaging materials): 25.16kg Active ingredient and content: Hydrochloride L-Lysine (C ₆ H ₁₄ N ₂ O ₂ HCl), containing 98.5% and over. Types of feed: Feed for poultry, pigs, cattle and fish.	



CO₂: 144kg
(From the raw material acquisition stage to the transport stage)

CO₂の「見える化」
カーボンフットプリント
http://www.cfp-japan.jp
検証番号: CV-BU01-001

▶ Using amino acid for feed helps in reducing GHG emissions.
▶ "Low-protein feed with amino acid additive" has been recognized by the Ministry of the Environment and Ministry of Economy, Trade and Industry as eligible for the domestic CO₂ credit system.

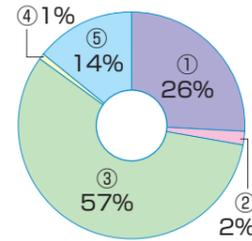
Process	① Acquisition of raw materials	② Production	③ Transport	④ Use/maintenance	⑤ Disposal/recycle	Total amount (kg-CO ₂ /product)
Percentage of CO ₂ emissions	33%	66%	1%	—	—	144kg

- 1. Food-related Products
- 2. Lifestyle Products
- 3. Clothing-related Products
- 4. Printing-related Products
- 5. Office-related Products
- 6. Engineering- and Construction-related Products
- 7. Other Industrial Products

1. Food-related Products

アースサポート株式会社

Company name	Earth Support Corporation	
Product name	Sodatsundesu!! Sukusuku (organic liquid fertilizer)	Final Product
PCR Name & ID	Organic Liquid Fertilizer	PA-AN-01
Product Outline (Verified in FY2009)	500ml PET bottle – one bottle	



カーボンフットプリント試行事業
<http://www.cfp-japan.jp>
 検証番号：CV-AN-001

▶ This organic liquid fertilizer is manufactured from the raw garbage, etc., of commercial food waste which undergoes fermentation and decomposition by microbial action. The distinguishing feature is that, as the manufacturing facility does not discharge any gas, wastewater or by-products, the CO₂ emissions of the production process are low.

Process	① Acquisition of raw materials	② Production	③ Transport/sales	④ Use/maintenance	⑤ Disposal/recycle	Total amount (g-CO ₂ /product)
Percentage of CO ₂ emissions	26%	2%	57%	1%	14%	606g

2. Lifestyle Products

PCR Name	PCR ID
●Flowers	PA-AW
●Towel Products	PA-BL
●Lamps for General Lighting	PA-AT
●Curtain Rails	PA-BT
●Tableware (Ceramic and synthetic resin products)	PA-AQ
●Fire Extinguisher	PA-BA
●Plastic Containers and Packaging	PA-BC

N.B. The PCR codes shown do not include the edition numbers.

Note

- Out of the products which were given verification of their carbon footprints of products (CFP), those representative from each category (use) have been selected and introduced, focusing on products that were displayed in the 2011 Eco-Products exhibition. Regarding all the products, please refer to the list of products authorized to use the CFP label, at the back.
- The calculation coverage for carbon footprints has partly changed in FY2010 from that of FY2009. The Sales Process in the Transport/Sale Stage in FY2009 was eliminated in FY2010 as a tentative measure during the pilot project period.
- With regard to the lower section "Percentage of CO₂ emissions" for each product, an entry of "0%" in that section for a final product indicates that no CO₂ is emitted during the said process of that product. An entry of "-" for intermediate goods indicates that the said process is not included in the calculation coverage.