

Wasa Multigrain, Surdeg Flerkorn

Environmental Product Declaration



The first EPD process certified in the Food industries







REGISTRATION NUMBER

S-P-00382

CPC CODE234 BAKERY
PRODUCTS
PCR 2012:06 VER. 3.0
20/01/2020

PUBLICATION DATE

2017/11/20

REVISION

6 of 2021/12/22

VALID UNTIL

2025/10/27

PROGRAMME

The International EPD® System www.environdec.com

PROGRAMME OPERATOR

EPD International AB

This EPD has been developed in conformity to ISO 14025. An EPD should provide current information and may be updated if conditions change. The stated validity is, therefore, subject to the continued registration and publication at www.environdec.com.



1. Brand and product

THE BRAND WASA

Founded in 1919 Wasa is the largest crispbread baker in the world. Using only a few simple ingredients the crispbreads are baked to deliver a distinctive crunch. Wasa has 2 bakeries, in Filipstad (Sweden) and Celle (Germany) and the products are sold in over 40 markets all over the world. Since 2018 Wasa is reducing, calculating and compensating its remaining emissions from field to shelf making it a 100% carbon compensated brand. In 1999 Wasa became part of the Barilla Group.

Read more at www.wasa.com.

PLANT AND PROCESS

Multigrain is baked in Celle plant, where a typical bakery process takes place. The raw materials included in the recipe are mixed together into dough and baked in specific ovens. Following baking, the products are packaged and shipped to distribution centres for market entry.

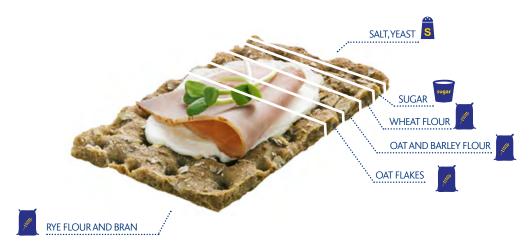
Multigrain is sold in several countries with different names:

- Multigrain mainly in USA and Canada
- Surdeg Flerkorn mainly in Sweden, Denmark and Norway.

Multigrain comes into 275 g and 550 g packaging formats; they are ready for consumption.

More info on www.wasa.com

THE PRODUCT



NUTRITIONAL INFORMATION (per 100 g)							
Energy	kJ kcal	1 418 340					
Fats of which saturated	grams	2.5 <i>0.5</i>					
Carbohydrates of which sugars	grams	58.5 <i>0.5</i>					
Fibres	grams	18					
Proteins	grams	11					
Salt	grams	1.13					





2. Barilla group



























Passion for quality, continuous pursuit of excellent recipes and ability to combine tradition and innovation are the fundamental ingredients that that have allowed a small shop of bread and pasta, opened in 1877 in Parma, to become an international player in the market of pasta, ready-to-eat sauces, baked goods and crispy breads.

The Group operates in over 100 countries through its brands, which have become the icon of excellence in the food sector, and with 30 production sites, which every year contribute to the production of over 2,099,000 tonnes of products.

With its brands - Barilla, Mulino Bianco, Pan di Stelle, Gran Cereale, Harrys, Pavesi, Wasa, Filiz, Yemina e Vesta, Misko, Voiello, Cucina Barilla, Catelli, Lancia, Tolerant and Pasta Evangelists – promotes a tasty, joyful and healthy diet, inspired by the Mediterranean diet and the Italian lifestyle.

Further information on www.barillagroup.com



Good for You, Good for the Planet



In order to make a concrete contribution to global challenges, over the years, Barilla has developed a thought enclosed in the Good for You, Good for the Planet Mission that guides, step by step and offers people good, safe, nutritionally balanced food, coming from responsible supply chains.

GOOD FOOD means taste, pleasure and a daily gesture of love for the people themselves.

HEALTHY FOOD means selected raw materials and balanced nutritional profiles to support healthy lifestyles.

FOOD SOURCED FROM RESPONSIBLE SUPPLY CHAINS means seeking the best ingredients to guarantee excellent quality, respectful of people, animals and the environment.

A commitment "from field to fork", which has led to the development of initiatives in the various stages of the supply chain and for which all Barilla Group brands contribute through projects aiming to improve the nutritional profile of products, reinforce the sustainability of the production and supply chains and provide transparent communication to consumers.



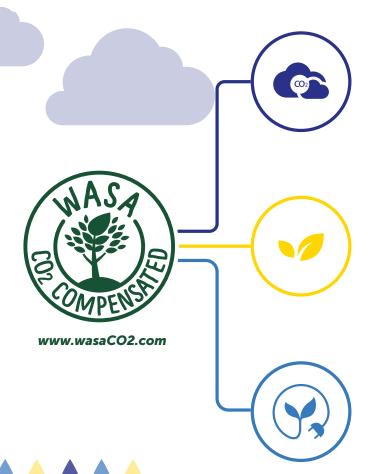


WASA A 100% CO₂ COMPENSATED BRAND

The Wasa brand has embarked on a path that has led to the achievement of **100% carbon compensation**, in line with its core values - love of Nature. Progressiveness and promoting a **healthy lifestyle** for present and future generations.

The path includes three steps: **measure**. **reduce** and **compensate**. The path was certified by DNV-GL following the International Standard PAS 2060

This certification covers both Wasa brand and products.



WE MEASURE

All the greenhouse gas emissions arising from Wasa brand activities (from field to shelf) are identified and measured, related to a baseline year (2017).

WE REDUCE

Some measures are taken to reduce the greenhouse gases emissions, like Energy Saving Programs, Green Logistic Projects and purchasing renewable electricity (100% from hydropower sources).

WE COMPENSATE

To compensate the remaining emissions, WASA has chosen to contribute to certified VCS projects. The VCS Program is the world's most widely used voluntary GHG program. Projects developed under the VCS Program must follow a rigorous assessment process in order to be certified. To know more about the projects see www.wasa.com/global/sustainability







3. Environmental performance calculation



The Environmental performance of the product was calculated using the LCA (life cycle analysis) methodology, including the entire production chain, starting from the cultivation of the raw materials until the delivery of the finished product to the retailer.

The study was conducted following the specific product rules published for the EPD System: "CPC code 234 – Bakery products".

The contribution to the environmental impacts brought by generic data is less than 10% in all impact categories.

DECLARED UNIT

Data are referred to **1 kg** of product plus the related packaging (the packaging is referred to the **275 grams format**, reported to 1 kg of product).

SYSTEM BOUNDARIES

The processes constituting the analyzed system were organized according to following three successive phases, in compliance with the EPD system's requirements.







SUGAR

4. Raw materials production



RYE AND WHEAT FLOUR AND BRAN

Cereal cultivation performances are calculated on the basis of primary data, yield, energy consumption and fertiliser use for each cereal collected from farms.

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Cultivation region is Germany and Sweden, percentages are related to year 2020.

Cultivation yield is calculated as average of years 2018, 2019 and 2020.

sugar sugar

INGREDIENTS PRODUCTIONS

Inventory data related to sugar production come from a certified EPD published by one of Barilla sugar suppliers (S-P-00679).



OTHER INGREDIENTS

Data from LCA databases are used for other material in the recipe (yeast, salt and flavours).

CEREAL CULTIVATION

Environmental performances associated to barley and oat cultivation come from international public databases. Cultivation region is Germany.





5. Packaging and auxiliary materials production



PRIMARY PACKAGING

Packaging environmental performances are calculated using the 275 g format, the only existing one for Multigrain and the smallest one for Surdeg Flerkorn, and reported per packaging used for 1 kg of product.

The primary packaging consists in a multilayer box (paper-based, with a thin plastic film), with a paper banderole.

Primary data (from packaging unit) are used for packaging amount and packaging materials production; data about packaging production process come from Barilla LCA database.

AUXILIARY MATERIALS PRODUCTION

Auxiliary materials environmental performances are evaluated by using primary data from plant, during 2020 year.

Secondary data (Ecoinvent) are used for environmental aspects associated to materials production.



Packaging used for WASA products is 100% designed for recycle.



Since 2004. Barilla designs new packaging with the "LCA packaging design tool".

It allows the assessment of the environmental impacts of the packaging solutions already during the design phase.

PACKAGING FOR TRANSPORT

The packaging for transport consists in cardboard boxes (american box), used for the distribution of the product, and a plastic extensible film. Boxes are made mainly by recycled cardboard carton (pre and post consumer). The data used have been collected by LCA database (mainly Ecoinvent).





6. Multigrain production



GENERAL INFORMATION

The environmental performances related to the production process are evaluated considering as primary data the energy and the water consumption and the waste production. Secondary data (mainly Ecoinvent) are used for the environmental aspects related to the production of energy and water.

The plant considered in the analysis is Celle.

WATER

The water consumption is evaluated using primary data. The overall value is attributed to the product using the mass allocation procedure.

Plant water consumption includes also the water amount needed for dough preparation: this amount is included both in plant consumption and product recipe following a precautionary approach.

Data are referred to year 2020.

WASTE

The primary data are collected by the plant registrations. The overall value is attributed to the product using the mass allocation procedure.

Data are referred to year 2020.

MULTIGRAIN PRODUCTION

ELECTRICITY

Total plant electricity has been divided using mass allocation (plant produces other products beyond Multigrain). Barilla, through the GO certification system (Guaranty of origin market), buys energy from hydroelectric and wind renewable resources as to cover the entire WASA production.

Filipstad plant has 100% electric oven for its bakery production.

Data are referred to 2020.

NATURAL GAS

The natural gas consumption is evaluated using primary data. The overall value is attributed to the product using the mass allocation procedure.

Data are referred to year 2020.





7. Distribution



DISTRIBUTION

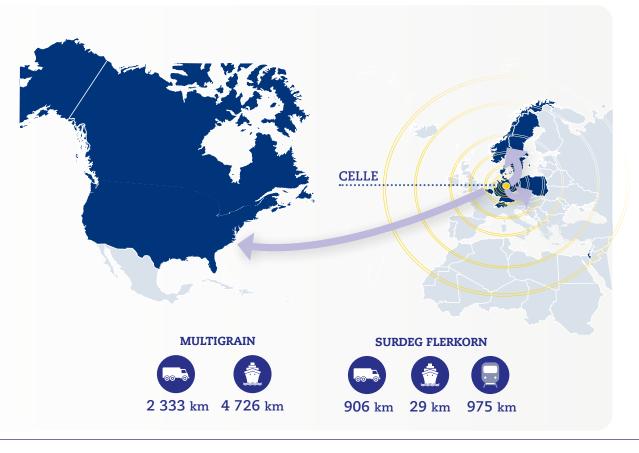
This crispbread is produced in Celle (Germany) and has different distribution scenarios. Distribution performances were calculated separately based on the different scenarios:

- Mutigrain is mostly distributed in USA (92%) and Canada (8%).
- Surdeg Flerkorn is mostly distributed in Sweden (66%), Denmark (22%), Norway (5%) and central east Europe (3%).

All transport stage from plant to retailer are included.

The product does not need any particular storage condition (such as refrigeration).

The impacts related to the disposal of the packaging for transport have been calculated considering the scenario for paper board, reference Eurostat 2017.







8. Packaging end of life





9. Environmental results - Multigrain

USE OF RESOURCES data referred to 1 kg of product		UPSTREAM		CORE	DOWNSTREAM		
		Raw material production	Packaging and auxiliary materials production	Production	Distribution up to shelf	Primary packaging end of life	TOTAL
PRIMARY ENERGY	Used as energy carrier	3.55E+00	9.48E-01	6.78E+00	8.34E-03	1.49E-04	1.13E+01
RESOURCES - RENEWABLE	Used as raw materials*	0.00E+00	7.02E-01	0.00E+00	0.00E+00	0.00E+00	7.02E-01
data in MJ	Total	3.55E+00	1.65E+00	6.78E+00	8.34E-03	1.49E-04	1.20E+01
PRIMARY ENERGY	Used as energy carrier	9.95E+00	3.29E+00	5.44E+00	5.53E+00	2.42E-03	2.42E+01
RESOURCES - NON RENEWABLE	Used as raw materials	1.43E-04	2.93E-01	0.00E+00	0.00E+00	0.00E+00	2.93E-01
data in MJ	Total	9.95E+00	3.58E+00	5.44E+00	5.53E+00	2.42E-03	2.45E+01
Seconda	Secondary Material (g)		3.79E+01	0.00E+00	0.00E+00	0.00E+00	3.79E+01
Renewable secondary fuels (MJ. net calorific power)		0.00E+00	2.26E-02	0.00E+00	0.00E+00	0.00E+00	2.26E-02
Non-renewa (MJ. net e	Non-renewable secondary fuels (MJ. net calorific power)		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Net use of t	fresh water (liters)	2.17E+01	2.75E+00	2.51E+00	1.09E-01	1.83E-03	2.71E+01
			UPSTREAM		DOWNSTREAM		
OUTPUT FLOWS data referred to 1 kg of product		Raw material production	Packaging and auxiliary materials production	Production	Distribution up to shelf	Primary packaging end of life	TOTAL
Waste to anim	Waste to animal feed or similar (g)		0.00E+00	2.28E-01	0.00E+00	0.00E+00	2.28E-01
Components for reuse (g)		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E+01
Materials	Materials for recycling (g)		9.13E+00	2.19E+02	2.71E+01	3.89E+01	3.18E+02
Materials for energy recovery (g)		0.00E+00	0.00E+00	1.32E+01	0.00E+00	0.00E+00	1.32E+01
Exported energy, electricity (MJ)		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Exported energy, thermal (MJ)		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Secondary energy resources	Secondary energy resources and recovered energy flows do not show relevant contributions. *The biomasses transformed into the product are not cons						ıct are not considered.





POTENTIAL ENVIRONMENTAL IMPACTS data referred to 1 kg of product		UPSTREAM		CORE	DOWNSTREAM		
		Raw material production	Packaging and auxiliary materials production	Production	Distribution up to shelf	Primary packaging end of life	TOTAL
	Fossil	1.05E+03	1.63E+02	3.15E+02	3.98E+02	8.86E-01	1.92E+03
GLOBAL WARMING	Biogenic	5.69E+01	1.17E+00	3.04E-01	1.07E+01	1.29E+01	8.20E+01
POTENTIAL - GWP (g CO ₂ eq)	Land use and land transformation	3.73E+01	1.40E+00	4.19E-03	3.44E-03	1.92E-04	3.87E+01
(g GO ₂ Cq)	Total	1.14E+03	1.66E+02	3.15E+02	4.08E+02	1.38E+01	2.04E+03
Acidification Potenti	ial - g SO ₂ eq.	2.44E+01	8.14E-01	4.05E-01	2.66E+00	2.55E-03	2.83E+01
Eutrophication Poter	ntial - g PO4 eq.	1.19E+01	1.84E-01	6.39E-02	3.12E-01	6.89E-03	1.25E+01
Photochemical Oxid	ant Formation Potential - gNMVOC eq	2.68E+00	8.40E-01	4.44E-01	2.60E+00	6.17E-03	6.56E+00
Abiotic Depletion Po	tential - Elements g Sb eq.	1.47E-03	1.60E-05	2.82E-06	1.55E-05	1.77E-08	1.51E-03
Abiotic Depletion Povalue	tential - Fossil fuels - MJ, net calorific	9.21E+00	3.20E+00	5.41E+00	5.52E+00	2.20E-03	2.33E+01
Water scarcity poter	ntial, m³ eq.	3.35E-01	9.60E-02	4.64E-03	-1.21E-03	6.65E-05	4.35E-01
		UPSTREAM		CORE	DOWNSTREAM		
111	STE PRODUCTION* ferred to 1 kg of product	Raw material production	Packaging and auxiliary materials production	Production	Distribution up to shelf	Primary packaging end of life	TOTAL
Hazaro	dous waste disposed (g)	4.09E-05	9.31E-05	0.00E+00	0.00E+00	0.00E+00	1.3E-04
Non-Haz	zardous waste disposed (g)	1.69E+00	4.99E+00	0.00E+00	0.00E+00	0.00E+00	6.7E+00
Radioa	active waste disposed (g)	8.61E-01	4.44E-01	5.05E-02	1.79E-01	2.96E-04	1.5E+00

The biogenic contribution to Global Warming Potential refers only to biogenic methane.

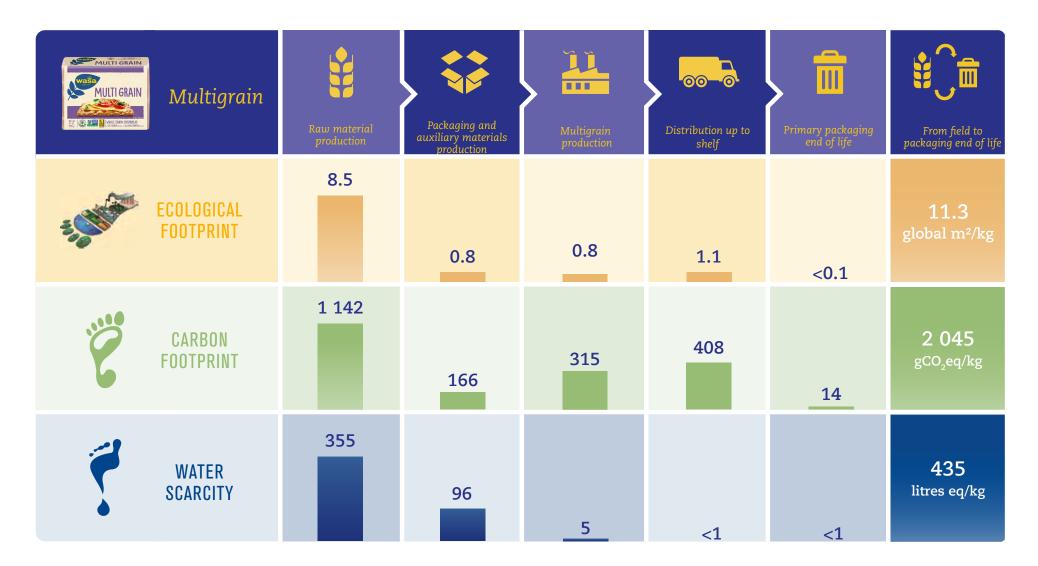
The contribution given by biogenic CO_2 is equal to zero, since the absorbed amount is equal to the emitted biogenic CO_2 within the reference 100 years period.

*Non-zero values indicate waste flows to disposal whose treatment impact isn't evaluated within system boundaries (usually they come from secondary data used in calculation model). Zero values indicate that – even if some waste are produced and disposed – their impact is evaluated within the system boundaries.





PRODUCT ENVIRONMENTAL PERFORMANCES



Compared to the last EPD, in this section the Water Scarcity indicator has substituted the Virtual Water Content, previously reported, to improve coherence with the indicators section.





10. Environmental results - Surdeg Flerkorn

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USE OF RESOURCES data referred to 1 kg of product		UPSTREAM		CORE	DOWNSTREAM		
		Raw material production	Packaging and auxiliary materials production	Production	Distribution up to shelf	Primary packaging end of life	TOTAL
PRIMARY ENERGY	Used as energy carrier	3.55E+00	9.48E-01	6.78E+00	7.05E-02	9.83E-05	1.14E+01
RESOURCES - RENEWABLE	Used as raw materials*	0.00E+00	7.02E-01	0.00E+00	0.00E+00	0.00E+00	7.02E-01
data in MJ	Total	3.55E+00	1.65E+00	6.78E+00	7.05E-02	9.83E-05	1.21E+01
PRIMARY ENERGY	Used as energy carrier	9.95E+00	3.29E+00	5.44E+00	2.50E+00	1.61E-03	2.12E+01
RESOURCES - NON RENEWABLE	Used as raw materials	1.43E-04	2.93E-01	0.00E+00	0.00E+00	0.00E+00	2.93E-01
data in MJ	Total	9.95E+00	3.58E+00	5.44E+00	2.50E+00	1.61E-03	2.15E+01
Second	ary Material (g)	0.00E+00	3.79E+01	0.00E+00	0.00E+00	0.00E+00	3.79E+01
Renewabl (MJ. net	Renewable secondary fuels (MJ. net calorific power)		2.26E-02	0.00E+00	0.00E+00	0.00E+00	2.26E-02
	Non-renewable secondary fuels (MJ. net calorific power)		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Net use of	Net use of fresh water (liters)		2.75E+00	2.51E+00	3.92E-01	1.34E-03	2.73E+01
OUTPUT FLOWS data referred to 1 kg of product		Raw material production	REAM Packaging and auxiliary materials production	CORE Production	DOWNS Distribution up to shelf	STREAM Primary packaging end of life	TOTAL
Waste to animal feed or similar (g)		0.00E+00	0.00E+00	2.28E-01	0.00E+00	0.00E+00	2.28E-01
Components for reuse (g)		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E+01
Materials for recycling (g)		2.40E+01	9.13E+00	2.19E+02	3.00E+01	4.31E+01	3.25E+02
Materials for	energy recovery (g)	0.00E+00	0.00E+00	1.32E+01	0.00E+00	0.00E+00	1.32E+01
Exported en	ergy, electricity (MJ)	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
-	Exported energy, thermal (MJ)		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Secondary energy resources and recovered energy flows do not show relevant contributions. *The biomasses transformed into the product are not considered.							





POTENTIAL ENVIRONMENTAL IMPACTS data referred to 1 kg of product		UPSTREAM		CORE	DOWNSTREAM		
		Raw material production	Packaging and auxiliary materials production	Production	Distribution up to shelf	Primary packaging end of life	TOTAL
	Fossil	1.05E+03	1.63E+02	3.15E+02	1.61E+02	6.42E-01	1.69E+03
GLOBAL WARMING	Biogenic	5.69E+01	1.17E+00	3.04E-01	7.10E+00	8.43E+00	7.38E+01
POTENTIAL - GWP (g CO ₂ eq)	Land use and land transformation	3.73E+01	1.40E+00	4.19E-03	4.47E-02	1.26E-04	3.88E+01
(g GO ₂ Cq)	Total	1.14E+03	1.66E+02	3.15E+02	1.68E+02	9.07E+00	1.80E+03
Acidification Potenti	ial - g SO ₂ eq.	2.44E+01	8.14E-01	4.05E-01	7.10E-01	1.70E-03	2.64E+01
Eutrophication Poter	ntial - g PO ₄ eq.	1.19E+01	1.84E-01	6.39E-02	1.05E-01	4.51E-03	1.23E+01
Photochemical Oxid	ant Formation Potential - gNMVOC eq	2.68E+00	8.40E-01	4.44E-01	7.93E-01	4.07E-03	4.76E+00
Abiotic Depletion Po	tential - Elements g Sb eq.	1.47E-03	1.60E-05	2.82E-06	7.32E-06	1.31E-08	1.50E-03
Abiotic Depletion Povalue	tential - Fossil fuels - MJ, net calorific	9.21E+00	3.20E+00	5.41E+00	2.29E+00	1.46E-03	2.01E+01
Water scarcity poter	ntial, m³ eq.	3.35E-01	9.60E-02	4.64E-03	3.85E-03	4.94E-05	4.40E-01
		UPSTREAM		CORE	DOWNSTREAM		
1111	STE PRODUCTION* ferred to 1 kg of product	Raw material production	Packaging and auxiliary materials production	Production	Distribution up to shelf	Primary packaging end of life	TOTAL
Hazaro	dous waste disposed (g)	4.09E-05	9.31E-05	0.00E+00	0.00E+00	0.00E+00	1.3E-04
Non-Haz	zardous waste disposed (g)	1.69E+00	4.99E+00	0.00E+00	0.00E+00	0.00E+00	6.7E+00
Radioa	active waste disposed (g)	8.61E-01	4.44E-01	5.05E-02	3.21E-01	1.94E-04	1.7E+00

The biogenic contribution to Global Warming Potential refers only to biogenic methane.

The contribution given by biogenic CO_2 is equal to zero, since the absorbed amount is equal to the emitted biogenic CO_2 within the reference 100 years period.

*Non-zero values indicate waste flows to disposal whose treatment impact isn't evaluated within system boundaries (usually they come from secondary data used in calculation model). Zero values indicate that – even if some waste are produced and disposed – their impact is evaluated within the system boundaries.





PRODUCT ENVIRONMENTAL PERFORMANCES



Compared to the last EPD, in this section the Water Scarcity indicator has substituted the Virtual Water Content, previously reported, to improve coherence with the indicators section.





11. Difference versus previous versions of the EPD

The differences versus previous EPD versions are due mainly to the improved evaluation of scraps generated during the production process, the use of updated emission factors for the energy mixes, updated yields for soft wheat and rye cultivation calculated as average value of the last three available years for every region. Moreover, the product Environmental

performances section has been modified with the substitution of Virtual Water Content with Water Scarcity indicator.

Wasa Mehrkorn impacts are not analysed and presented in this version of EPD, since it is not sold anymore.

12. Additional information

REFERENCES

- International EPD Consortium, General Programme Instructions (EPD), ver. 3.01 of 18/09/2019;
- WWF, Global Footprint Network, Zoological Society of London, Living Planet Report 2008, WWF (2008);
- PCR 2012:06 CPC 234: Bakery Products; ver. 3.0 of 20/01/2020;
- Eurostat database for waste management, latest version (2017)



Environmental declarations published within the same product category, though originating from different programs. may not be comparable. This declaration and further information in regards are available at www.environdec.com





As EPD owner, Barilla has the sole ownership, liability and responsibility for the EPD.

EPD PROCESS CERTIFICATION

Product category Rules (PCR) review conducted by: Technical Committee of the International EPD® system. Chair Filippo Sessa

Contact via info@environdec.com

Program operator:

EPD International AB

Box 210 60, SE-100 31 Stockholm, Sweden

info@environdec.com



EPD PROCESS CERTIFICATION

Independent verification of the declaration and data, according to ISO 14025:



EPD process verification



EPD verification- Third party verifier

PROCESS INTERNAL VERIFICATION

Procedure for follow-up of data during EPD validity involves third part verifier:



Ye:



No

Third party verifier: Bureau Veritas Certification Sweden AB, Accredited by: SWEDAC



Process internal verifier: Ugo Pretato, Approved by: The International EPD® System



CONTACTS

Barilla G. e R. Fratelli- Società per Azioni, via Mantova 166, 43122, Parma, Italy. www.barillagroup.com
For additional information relative to the activities of the Barilla Group or in regards to this environmental declaration, please contact:

Laura Marchelli - laura.marchelli@barilla.com



Technical support and grafic design: Life Cycle Engineering SpA - Italy www.lcengineering.eu







13. Glossary

ECOLOGICAL FOOTPRINT

The ecological footprint measures the area of biologically productive land and water required to provide the resources used and absorb the carbon dioxide waste generated along the entire life cycle. It is measured in standard units called global hectares (gha).

www.globalfootprint.org

ACIDIFICATION (AP)

It is a phenomenon for which precipitation is unusually acidic, meaning that it has substandard levels of pH. It can have harmful effects on plants, aquatic animals and infrastructure. Acid rain is caused by emissions of SO_2 . NO_x and NH_3 . The acidification potential is measured in mass of sulphur dioxide equivalent (SO2-eq).

CARBON FOOTPRINT

A product carbon footprint is the total amount of green-house gases produced along the entire life cycle. It is expressed in equivalent mass of carbon dioxide (CO₂-eq). In agriculture a significant contribution is given by the emission of nitrous oxide (N2O) due to the fertilizers use. It is also known as Global Warming Potential (GWP).

www.ipcc.ch

EUTROPHICATION (EP)

It is an abnormal proliferation of vegetation in the aquatic ecosystems caused by the addition of nutrients into rivers. lakes or ocean. which determinates a lack of oxygen. The eutrophication potential is mainly influenced by emission into water of phosphates and nitrates. It is expressed in mass of PO, "equivalent.

WATER SCARCITY

Water scarcity measures the available water remaining per unit of surface in a given watershed relative to the world average, after human and aquatic ecosystem demands have been met. This method builds on the assumption that the potential to deprive another user of water is directly proportional to the amount of water consumed and inversely proportional to the available water remaining per unit of surface and time in a region (watershed).

www.wulca-waterlca.org

PHOTOCHEMICAL OXIDANT FORMATION POTENTIAL (POFP)

Production of compounds that, under the light effect, are able to promote an oxidation reaction leading to ozone production in the troposphere.

The indicator is mainly influenced by VOCs (Volatile organic compounds) is usually expressed in mass of VOCs equivalent (g NMVOC - equivalent).





WASA Brand EPDs



Ragi Original

Husman

Light Rye Integrale and Delikatess

Frukost

Sesam and Seasalt Delicate Crisp Rosemary & Seasalt

Small rounds

Sandwich Cheese & Chives



The year of the first EPD publication is reported











2019

2010 2011 2015



Havre and Vitalitè



Crisp'n Light 7 grains



Multigrain Mehrkorn and Surdeg Flerkorn



WASA 100



The number of products covered by EPD could vary on the base of the date of publication ${\cal L}$

