

News Release

P308/23e
September 21, 2023

“MyCarbonFootprint”: BASF launches dashboard for sustainable procurement

- **Comprehensive insight for customers into sustainability status of their individual purchasing portfolio at BASF**
- **Information about individual carbon footprints and renewable raw material shares¹ of purchased products**
- **Rapid impact calculation of switch to more sustainable product variants**
- **Support for customers in achieving their sustainability goals**

BASF has released a new digital application designed to help customers gain a better overview of the sustainability status of the product portfolio they purchase from BASF. It also helps customers identify the best BASF solutions to reach their sustainability targets with regard to CO₂ reduction and/or use of renewable raw materials. The app called “MyCarbonFootprint” contains data on over 700 selected large volume BASF products, including pharma ingredients, amino resins, butanediol and derivatives, acids, polyalcohols, acetylenics, carbonyl derivatives and amines. It is initially available to certain BASF customers who purchase products included in MyCarbonFootprint. Currently, more than 50 customers are already using the app.

Customized overview for each customer

MyCarbonFootprint informs customers about the individual cradle-to-gate product carbon footprint (PCF) of the BASF products they purchase.² The app furthermore indicates the share of renewable raw materials used in the manufacture of these

products. The data is presented in a customized way for each customer: Depending on the purchased quantities of a selected product, MyCarbonFootprint calculates the CO₂ emissions, the product carbon footprint and the share of renewable raw materials according to the respective customer's purchasing portfolio at BASF.

Optimizing the carbon footprint and renewable raw material share

With the help of MyCarbonFootprint, customers can determine how adjustments in their purchasing portfolio affect their sustainability status in terms of CO₂ emissions and the use of renewable raw materials.

For example, MyCarbonFootprint calculates the potential reduction in CO₂ emissions when a product variant with a lower carbon footprint is selected instead of the previously purchased product. MyCarbonFootprint also shows BASF customers various alternatives to increase the proportion of renewable raw materials in the value chain by choosing a suitable product variant.

“We developed MyCarbonFootprint to create the transparency that our customers need to pursue their CO₂ emission reduction goals and to select the best sustainable product variants from the BASF portfolio to achieve their desired sustainability positioning,” explains Niels Möller, Global Strategic Marketing, Operating Division Intermediates, BASF. A team led by Möller invented the innovative IT tool and developed it to market maturity.

BASF portfolio offers various sustainable product variants

MyCarbonFootprint provides an overview of the various sustainable product variants from the BASF portfolio. BASF customers can for example reduce their CO₂ emissions by using BASF's low-PCF products. These products have a significantly reduced product carbon footprint based on a specific customer request or compared to a reference value. The low-PCF portfolio includes, among others, bio-based or biomass balanced products (BMB), which can help customers achieve CO₂ emission reductions compared with fossil standard products. In some cases, BASF additionally offers net-zero products, which have a PCF of zero or less than zero.³

Switching to BMB products is also an easier way for customers to increase the share of renewable raw materials in the value chain. In the BMB approach, BASF feeds renewable raw materials into its Verbund in the very first steps of chemical production. A corresponding share of these raw materials is then attributed to

specific sales products by means of a certified mass balance method. Certification of BASF's biomass balanced products is carried out according to recognized standards like REDcert2 or ISCC PLUS⁴. Being identical in quality and properties to fossil standard products, biomass balanced products are "drop-in" solutions. Customers can use them without having to adapt their existing manufacturing processes.

[Sustainability Tool \(basf.com\)](#)

Video about "MyCarbonFootprint": **["MyCarbonFootprint": BASF dashboard enables customers to procure sustainably. - YouTube](#)**

¹ Physical or attributed via a certified biomass balance approach.

² The product carbon footprint (PCF) values displayed in MyCarbonFootprint come from a digital PCF calculation solution and methodology developed by BASF. BASF's PCF calculations follow the requirements and guidance given by ISO 14067:2018. In a methodology review, TÜV Rheinland has certified that BASF's PCF calculation solution and methodology is scientifically-based, is in accordance with ISO 14067:2018 and reflects the state of the art ([ID-Nr. 0000080389; BASF SE – Certipedia](#)).

³ The product carbon footprint (PCF) of BASF's net-zero products is zero or lower than zero in a cradle-to-gate assessment. For example, if biomass is used in the production of products, the carbon bound in the biomass reduces the cradle-to-gate PCF. The originally determined PCF can be reduced to zero or even below zero by including the biogenic carbon of the product. The calculation does not include downstream value chain emissions such as transportation emissions from factory gate to customer, emissions from further processing and the end-of-life emissions (e.g., from waste treatment). In general, the calculation of the cradle-to-gate PCF excludes the use of external compensation measures.

⁴ REDcert² and ISCC PLUS are standards for the use of sustainable biomass as raw material in the chemical industry. Regarding BASF's biomass balance approach, certification according to these standards confirms that the biomass used is sustainable and has been fed into the production Verbund in the required amount. It also confirms that the sustainable biomass has been correctly attributed to the corresponding sales products. The certifications are awarded on the basis of on-site audits conducted by independent auditors.

About BASF

At BASF, we create chemistry for a sustainable future. We combine economic success with environmental protection and social responsibility. More than 111,000 employees in the BASF Group contribute to the success of our customers in nearly all sectors and almost every country in the world.

Our portfolio comprises six segments: Chemicals, Materials, Industrial Solutions, Surface Technologies, Nutrition & Care and Agricultural Solutions. BASF generated sales of €87.3 billion in 2022. BASF shares are traded on the stock exchange in Frankfurt (BAS) and as American Depositary Receipts (BASFY) in the United States. Further information at www.basf.com.