



Berry Helps Tchibo Coffee Switch to Coffee Capsules Made from Renewable Materials

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EVANSVILLE, Ind.--(BUSINESS WIRE)--Jul. 19, 2022-- A partnership between [Berry Global Group, Inc.](#) (NYSE: BERY), its customer Tchibo and its feedstock supplier Neste has achieved a game-changing development in the coffee capsule market with the introduction of a capsule made from renewable sources that do not compete with food.

Coffee capsules are becoming increasingly popular around the world for their convenience and quality coffee experience. German coffee producer Tchibo collaborated with Berry to elevate the sustainability of their existing Qbo brand coffee capsules through using polypropylene (PP) made from renewable raw materials for manufacturing.

To improve the sustainability of its Qbo brand, Tchibo therefore sought to optimize the material in its capsules. Working with Berry and Neste, the result is the launch of an innovative coffee capsule that is produced from identical types of polymers, which instead are made by using bio-based raw materials such as waste and residue oils and fats, for example used cooking oils.

A life cycle assessment by the Technical University of Berlin, carried out in compliance with ISO 14040/44, has shown that the conversion of the Qbo capsule material results [in around 35% fewer CO2 emissions](#).

"We are pleased to offer Qbo capsules made of PP, now produced from 70% renewable raw materials," explained Marius-Konstantin Wiche, Development Manager, Capsule and Innovation at Tchibo. "This makes the entire Qbo range – containing sustainably grown Qbo coffee brewed in Qbo machines – one of the most sustainable capsule systems on the market."

The renewable materials are supplied via a mass balance approach, certified by the International Sustainability & Carbon (ISCC PLUS) system. Mass balance certification enables the proportion of bio-based raw materials used in the production value chain to be mathematically assigned to the final product, so that this can be advertised on the packaging. The certification therefore provides full traceability throughout the supply chain, from raw materials to finished coffee capsule, as well as sustainability validation of the raw materials.

Importantly, the renewable solution offers the same quality and properties as conventional ones, meaning the new capsules provide an identical performance and product experience. In addition, the renewable feedstock can be easily introduced into existing production lines with no changes required.

"We needed to ensure that the high quality and great taste of the Qbo coffee would not be affected," confirmed Wiche. "That's why we focused on replacing the raw materials for the capsules, not the PP itself. The renewable materials go into producing PP polymers with the same quality as virgin PP; you won't see or taste any difference."

Berry combined its sustainability leadership in the selection of the right qualified raw materials with its technical skills for the efficient manufacture of the capsules to accelerate the conversion to a more sustainable, circular solution. The Company's expertise in design for circularity allows for multiple potential solutions to be developed for the future manufacture of coffee capsules, thanks to its ISCC PLUS certified site in Bremervörde, Germany. The ISCC PLUS certification not only ensured that food contact approval was granted for the new materials, but also allows for the quick transition to additional applications over time.

"We chose Berry for this project as they have experience with our product and hold the required ISCC PLUS certification to produce the capsules from renewable materials," said Wiche. "The Company's knowledge of foil extrusion and thermoforming for our capsules is excellent and we also appreciate their in-house engineering and machining of related parts for our products."

For Berry, the introduction of the new capsules supports its recently announced commitment to achieve 30% circular plastics use across its fast-moving consumer goods packaging by 2030 as the Company envisions decoupling from virgin plastic and fossil fuels in the long term.

"Supporting our customers' growing sustainability commitments is a key priority as we plan for the future needs of a net-zero, circular economy," said Jean-Marc Galvez, President of Berry's Consumer Packaging International Division. "Delivering the infrastructure and manufacturing capabilities to design products for circularity is one of our core competencies. I am incredibly proud of this partnership and its commitment to demonstrate the potential of renewable raw materials to lower the environmental impact of capsules."

Wiche concluded, "Together, our Tchibo team, Neste, and Berry have created a fantastic result. The Qbo coffee still maintains its premium quality, but now in a capsule produced with less CO2 emissions."

About Berry

At Berry Global Group, Inc. (NYSE: BERY), we create innovative packaging and engineered products that we believe make life better for people and the planet. We do this every day by leveraging our unmatched global capabilities, sustainability leadership, and deep innovation expertise to serve customers of all sizes around the world. Harnessing the strength in our diversity and industry-leading talent of 47,000 global employees across more than 300 locations, we partner with customers to develop, design, and manufacture innovative products with an eye toward the circular economy. The challenges we solve and the innovations we pioneer benefit our customers at every stage of their journey. For more information, visit our [website](#), or connect with us on [LinkedIn](#) or [Twitter](#). (BERY-P)

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