

2020 Solutions Report



This **LC Packaging 2020 Solutions Report** includes all data from 2020 (1 January 2020 – 31 December 2021) relating to LC Packaging International B.V.* and is part of the **Sustainability Update 2021**. The information provided in this document serves as a supplement to the chapters: 'Sustainable materials' and 'Innovation' ([read more](#)).

This report is part of a set of themed reports (People, Business ethics, Supply chain, Solutions and Environment) that present data aligned with multiple reporting requirements - such as the UN Global Compact Advanced Communication on Progress requirements - and is produced in accordance with the GRI Standards: Core Option.

This document provides LC Packaging's stakeholders with detailed information on the following topics:

- Packaging solutions
- Materials used
- Recycled input materials

In accordance with the GRI Standards, this report shows data from both 2019 and 2020.

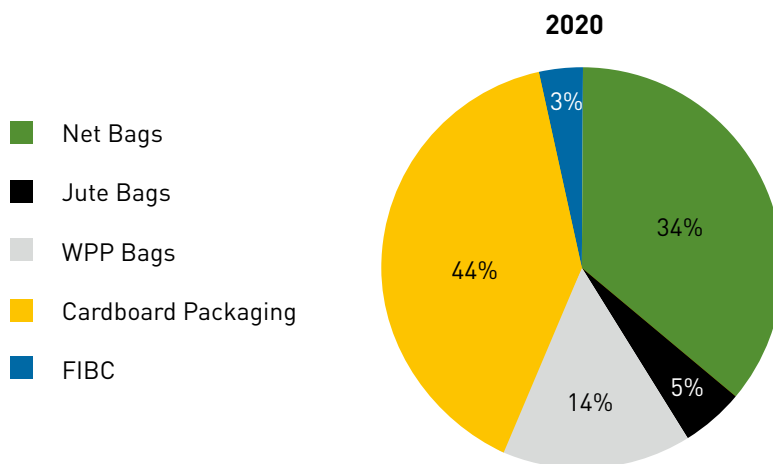
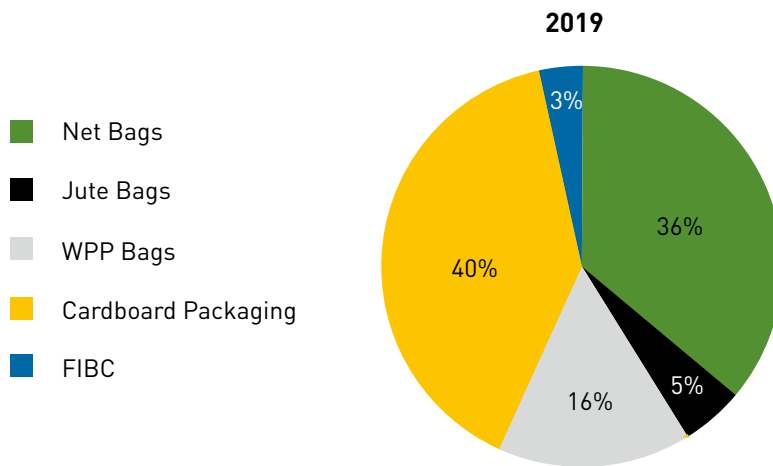
*LC Packaging International B.V. includes all subsidiaries of which we have more than 50% ownership; LC Packaging affiliates, Hagens Verpakkingen B.V., WorldBag B.V. and production facilities Dutch-Bangla Pack Ltd. (DBPL) and LC Shankar (PTY) LTD. When referred to 'LC Group', the production facilities are excluded from the calculation.

Packaging solutions*

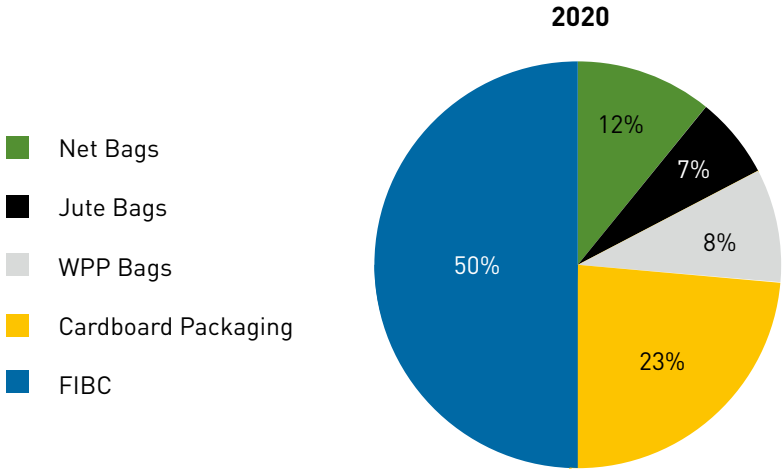
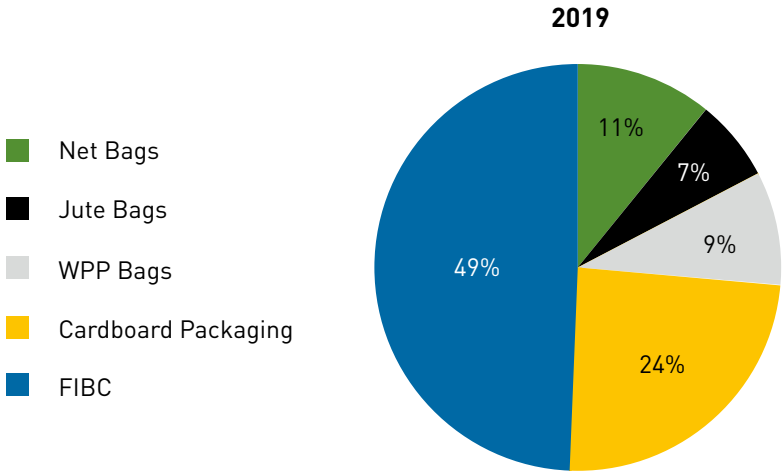
➤ Packaging solutions distributed

# of solutions	
2019	2020
337 million	360 million

➤ Packaging solutions distributed by product category (pcs)



> Product category as a percentage of turnover



*This calculation includes 90% of LC Packaging's product portfolio, representing its primary products and product categories and 90% of the total turnover.

Materials used

GRI 301-1 Materials used by weight or volume

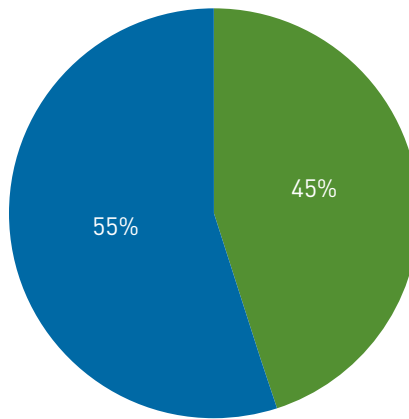
Innovation 2020; 103-3

> Distributed packaging solutions made out of renewable materials*

*Renewable materials: Jute and cardboard

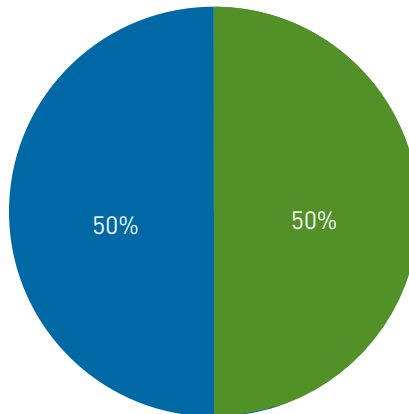
- Renewable materials
- Non-renewable materials

2019



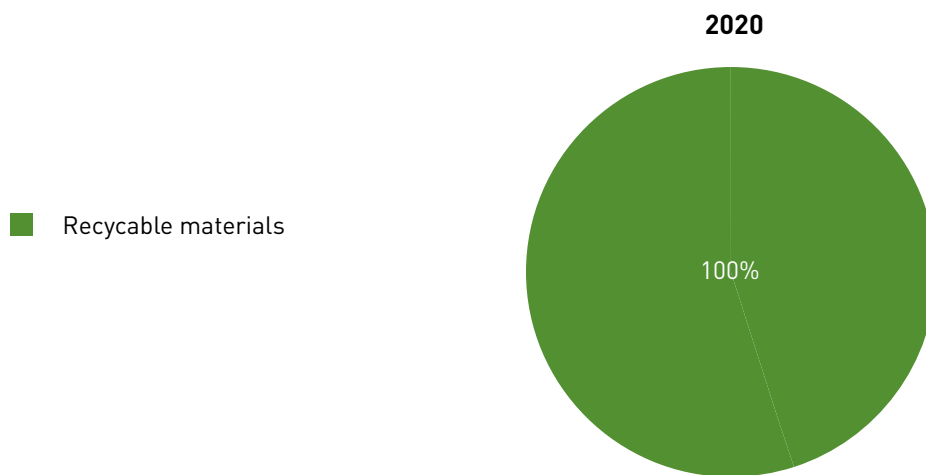
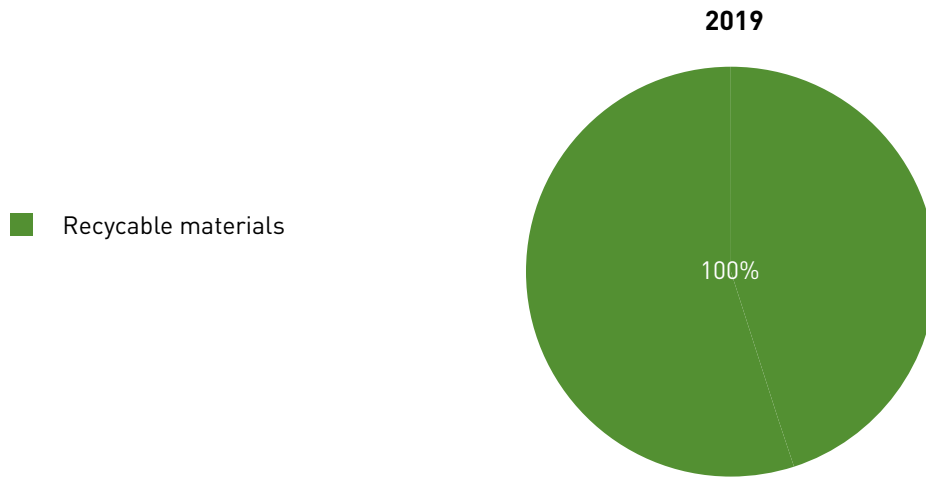
2020

- Renewable materials
- Non-renewable materials

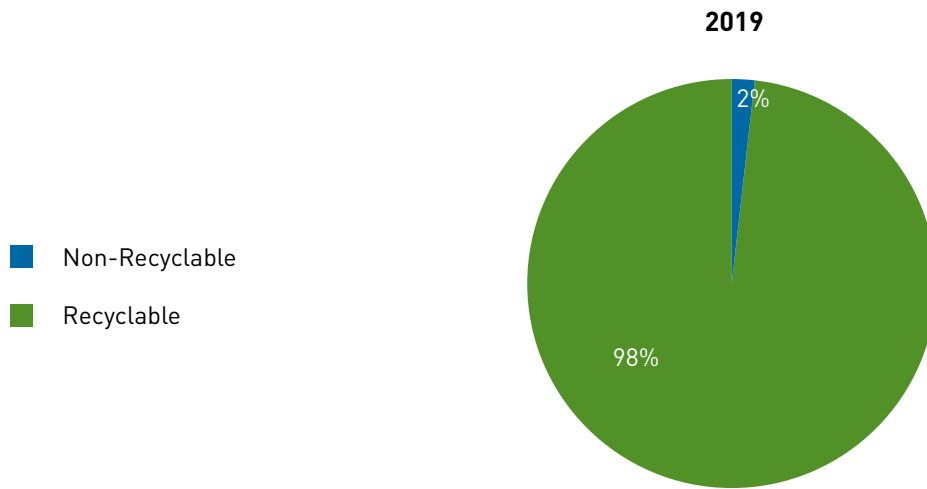


> Distributed packaging solutions made out of recyclable materials*

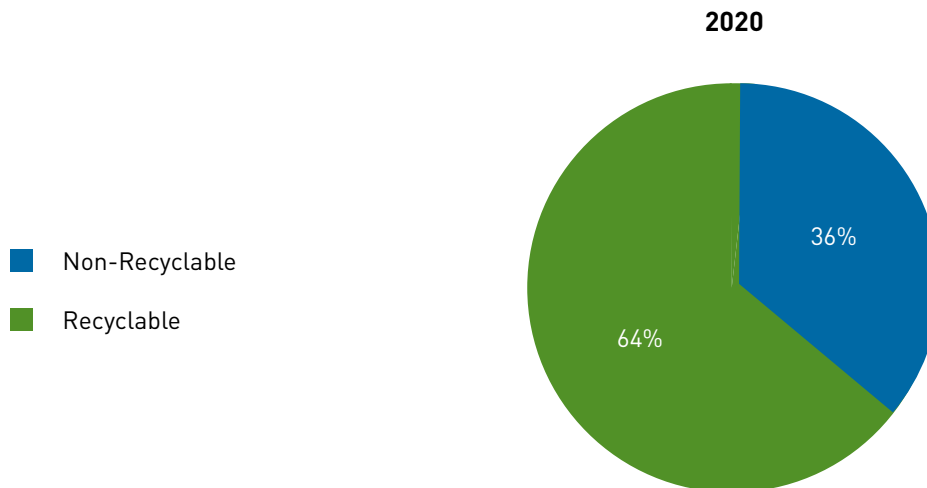
*Recyclable materials: PP/PE, jute and cardboard



> Distributed packaging solutions that are recyclable*



- Non-Recyclable
- Recyclable



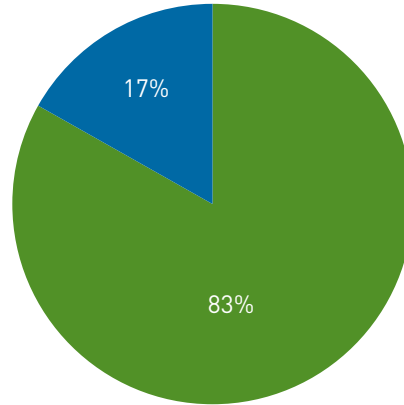
- Non-Recyclable
- Recyclable

*In this calculation, the following packaging solutions are identified as non-recyclable: FIBCs with liner, Conductive FIBCs, net bags (Rachel bags and Leno bags) and Jute bags with a PE strip. In theory, these solutions are recyclable, but are identified as non-recyclable, as recycling these products is not a common market practice due to e.g. extra handling costs for removing a liner or strip (costs vs benefits). In 2019 calculations, the net bag was not identified as non-recyclable, which explains the increase from 1.8% non-recyclable products in 2019 to 36% in 2020. We are aware that there might be other packaging solutions that should be classified as non-recyclable. At the moment of publishing this report, we are in the middle of a deep dive sustainability analysis of our product portfolio. Its results will be included in the 2021 report.

> % of turnover from recyclable packaging solutions*

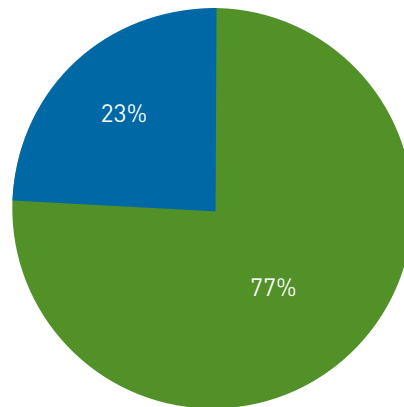
- Recyclable packaging solutions
- Non-recyclable packaging solutions

2019



2020

- Recyclable packaging solutions
- Non-recyclable packaging solutions



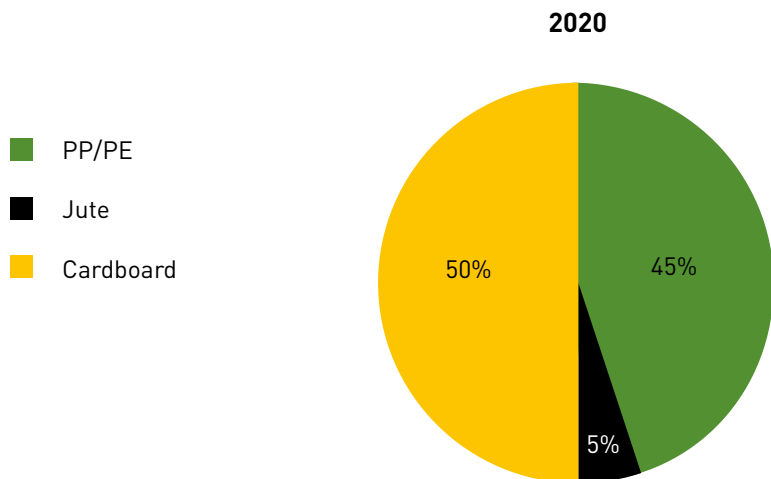
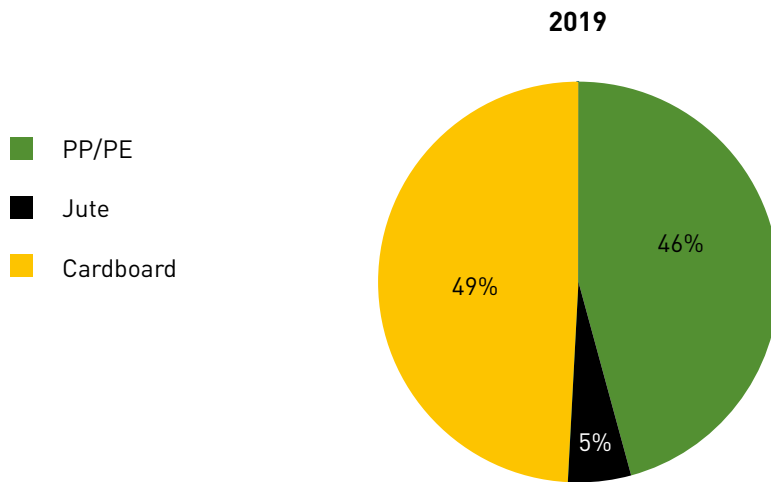
*In this calculation the turnover for non-recyclable FIBCs is an estimation based on the percentage ratio of the 2019 report. Unlike 2019, in the 2020 calculation the net bag is identified as non-recyclable. This caused the turnover of non-recyclable packaging solutions to increase compared to 2019.

> Materials used in KG*

Material	Kilos	
	2019	2020
Cardboard	43,658,836	43,653,503
Jute	4,408,156	4,485,928
PP/PE	40,408,412	39,266,485
Total kg of materials used	88,475,505	87,365,916

*Calculated by multiplying the number of packaging products per product type by the average kilos of material used in that type of product. In 2020, the average kilos of material was adjusted for net bags (slightly downwards).

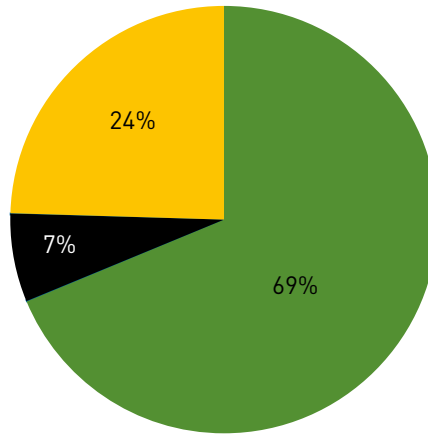
> % of total material use



> % of turnover

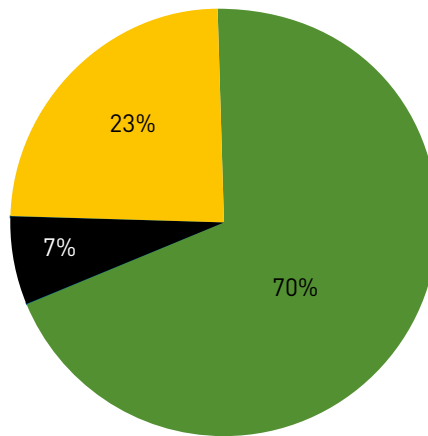
- PP/PE
- Jute
- Cardboard

2019

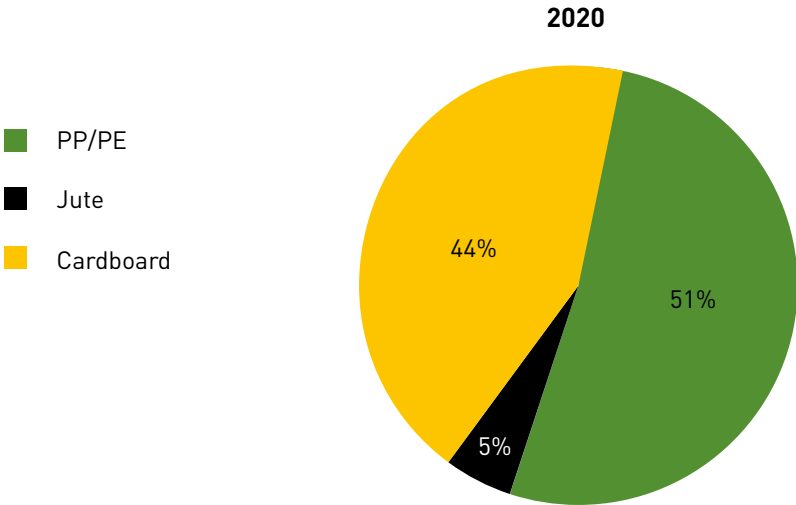
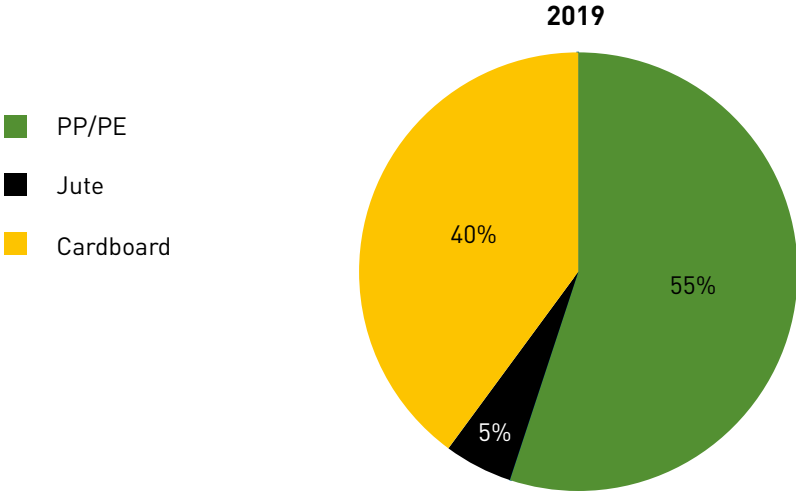


2020

- PP/PE
- Jute
- Cardboard



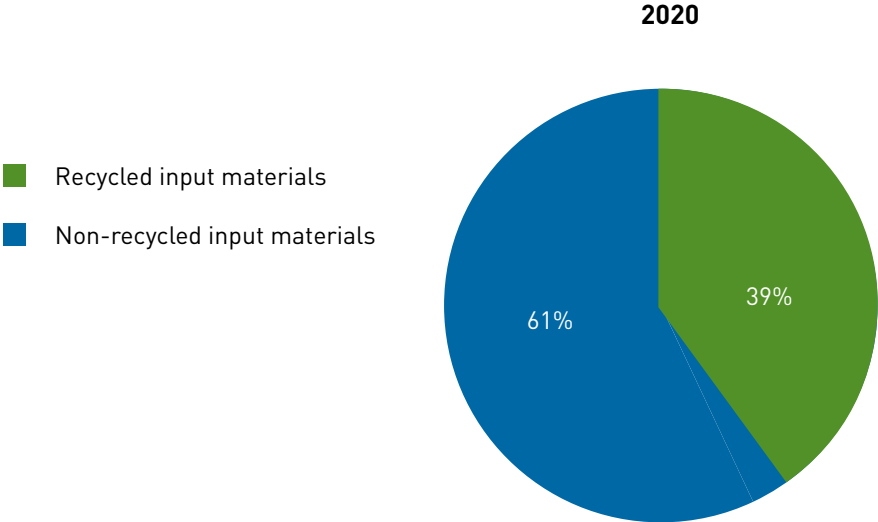
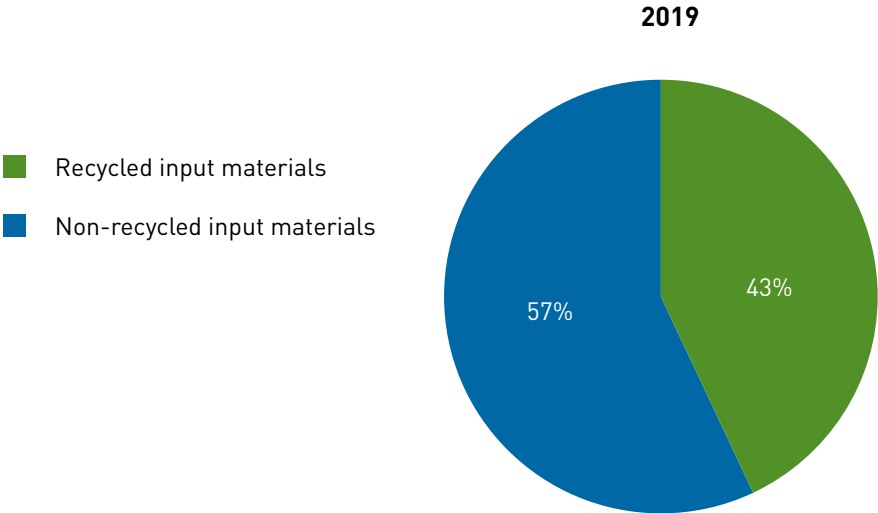
> % of total distributed packaging solutions (pcs)



Recycled input materials

GRI 301-2 Recycled input materials used

> % Recycled input materials used in packaging solutions*



➤ Recycled input materials by product category**:

Category	2019		2020	
	% recycled content	Recycled content (KG)	% recycled content	Recycled content (KG)
Raschel bags (net bags)	25%	811,050	0%***	0
Jute bags	0%	0	0%	0
WPP bags	0%	0	0%	0
Cardboard	85%	37,110,010	85%	37,105,477
FIBCs	0%	0	0%	0
Total		37,921,060		37,105,477

*percentage of recycled input materials used = total recycled input materials used / total input materials used * 100. (37,921,060 / 88,475,405) * 100 = 43%

**Many of our packaging solutions are food-safe and pharma-clean and comply with that legislation. This means that it must contain no recycled content. In the case of our Raschel bags, we had to go back to virgin material due to food-safe regulations. Other than performing tests with recycled content in FIBCs, we have not produced a customer order for rPP bags in 2020.