Understanding major sources of greenhouse gas emissions

Distribution of our full value chain emissions – scope 1, 2 and 3.



3% Packaging material and ingredients sourcing

- · Emissions from raw material purchase
- · Major raw material sources are fossil fuels (for plastic) & wood pulp (for paper and board)
- · Emissions from converting raw packing materials into final packaging



5% Other category

- · Sourced meat
- · Business services
- Facility services



3% Processing

raw agricultural items into finished food items



1% Capital goods

• Emissions for production of purchased capital goods



2% Transport

· Emissions from transport of food, items, locally & internationally

Scope 1

Direct greenhouse gas emissions from primary energy at our production facilities (e.g. natural gas).

Scope 2

Indirect greenhouse gas emissions from secondary energy (e.g. electricity).

Scope 3

Indirect greenhouse gas emissions at farm level and the rest of our value chain.

Note: The calculations are based on 2019/20 inventory and exclude ESS-FOOD and DAT-Schaub for scope 3 emissions. Numbers are approximate and have been rounded.

See page 76 for further information on our scope 1, 2 and 3 emissions.



6% Others

- · Capital goods and services
- Fuels
- · Others



54% Animal feed

- · Emissions from crop production (on farm), and its processing into feed for livestock
- Fertiliser and manure land application
- Purchased feed
- · Land-use change



25% Farm

- · Housing and manure storage
- · Emissions from enteric fermentation



0% Retail

· Emissions from lighting, space conditioning, refrigeration and other retail processes



1% End of life

· Emissions from disposal of consumer packaging

Scope 1+2 Scope 3 Scope 3