

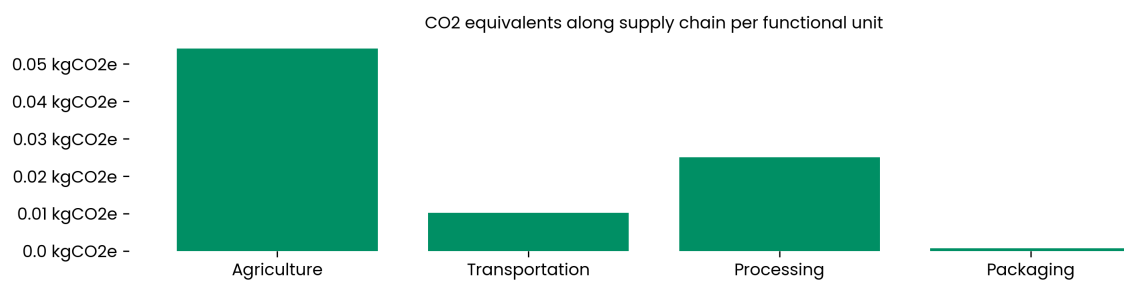
# Müesli Riegel, 0.085kg

# 0.09 kgCO<sub>2</sub>e

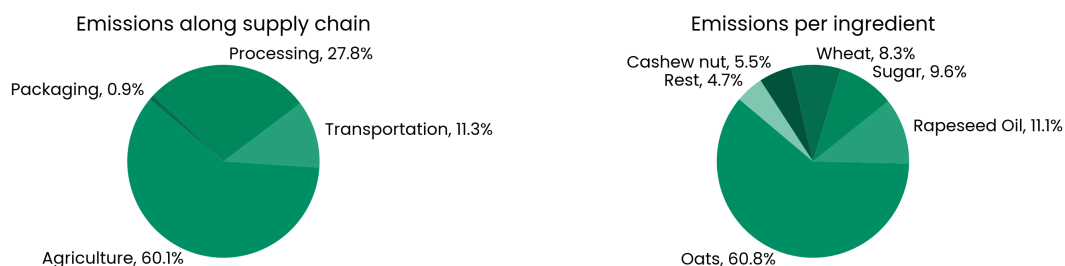
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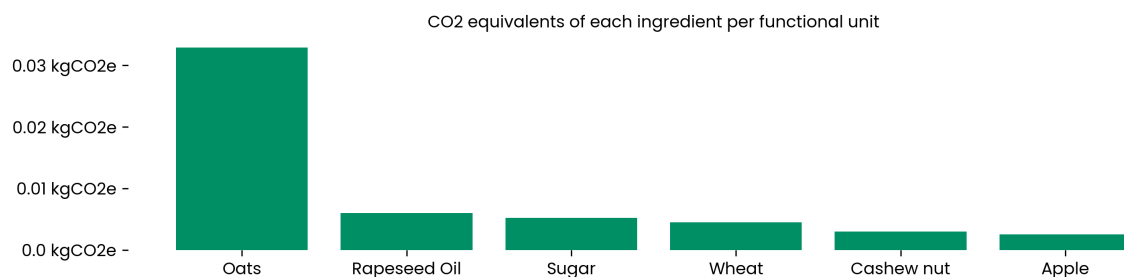
## SUPPLY CHAIN EMISSIONS



## DISTRIBUTION OF EMISSIONS

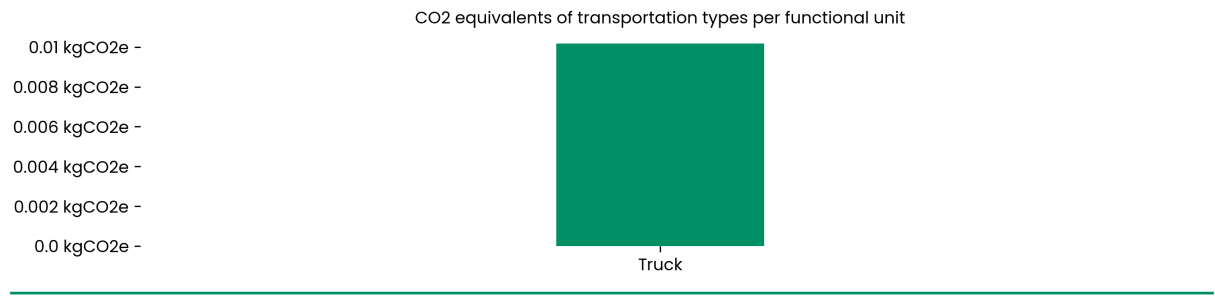


## INGREDIENT EMISSIONS



The calculations generated by Niatsu for product carbon footprints should be considered as estimates based on established scientific and industry standards. While every effort has been made to ensure accuracy, it is important to acknowledge that real-world circumstances can diverge significantly. As such the results may not always precisely reflect the actual carbon footprint of a product. For more information visit [niatsu.com](http://niatsu.com).

## TRANSPORTATION EMISSIONS



## DATA

The data is aggregated per kg of product to ensure comparability between functional units and products.

| Ingredient   | Amount (kg) | CO2e/kg | Total CO2e (kg) |
|--------------|-------------|---------|-----------------|
| Oats         | 0.150       | 2.579   | 0.387           |
| Wheat        | 0.350       | 0.151   | 0.053           |
| Sugar        | 0.200       | 0.306   | 0.061           |
| Apple        | 0.150       | 0.200   | 0.030           |
| Cashew nut   | 0.100       | 0.352   | 0.035           |
| Rapeseed Oil | 0.050       | 1.410   | 0.071           |

| Transport      | Weight (kg) | Distance (km) | Total CO2e (kg) |
|----------------|-------------|---------------|-----------------|
| FR-CH, Truck   | 0.150       | 484           | 0.008           |
| CH-CH, Truck   | 0.350       | 0             | 0.000           |
| DE-CH, Truck   | 0.200       | 512           | 0.011           |
| IT-CH, Truck   | 0.150       | 580           | 0.009           |
| BR-CH, Truck   | 0.100       | 8781          | 0.092           |
| CH-CH, Unknown | 0.050       | 0             | 0.000           |

| Process       | Energy       | Usage (kwh or L) | Total CO2e (kg) |
|---------------|--------------|------------------|-----------------|
| Manufacturing | Conventional | 2.300            | 0.294           |

| Packaging                          | Weight | CO2e/kg | Total CO2e (kg) |
|------------------------------------|--------|---------|-----------------|
| Plastic-mix: PP (50%) and PA (50%) | 0.002  | 4.540   | 0.009           |

| Product       | Unit (kg) | CO2e/kg | Total CO2e (kg) |
|---------------|-----------|---------|-----------------|
| Müesli Riegel | 0.085     | 1.06    | 0.09            |

## SOURCES

Adom et al. (2012): [Link](#); GOV.uk (2020): No URL provided; ALCAS (2012): [Link](#); Brentrup et al. (2001): [Link](#); Gonzalez et al. (2011): [Link](#); Brito de Figueirido et al. (2014): [Link](#); Badey et al. (2012): [Link](#); BAFU, 2023: No URL provided; Plastics Europe (2020): [Link](#)