

# Dairy Sector Quickfacts

ENVIRONMENT – CLIMATE CHANGE

Last update October 2023

## Greenhouse gas emissions

New Zealand's carbon footprint for on-farm milk production was

**70% LOWER**

than the FAO global average in 2022.<sup>1</sup>



Dairy farms are now

**20%** more emissions-efficient at producing dairy products than they were in the year 2000.<sup>2</sup>



**95%**

of dairy farms have a GHG emissions report.

New Zealand on-farm milk production accounts for

**0.0309%**

of total global emissions.



**22.7%**

of New Zealand's emissions are attributed to the dairy sector.<sup>4</sup>



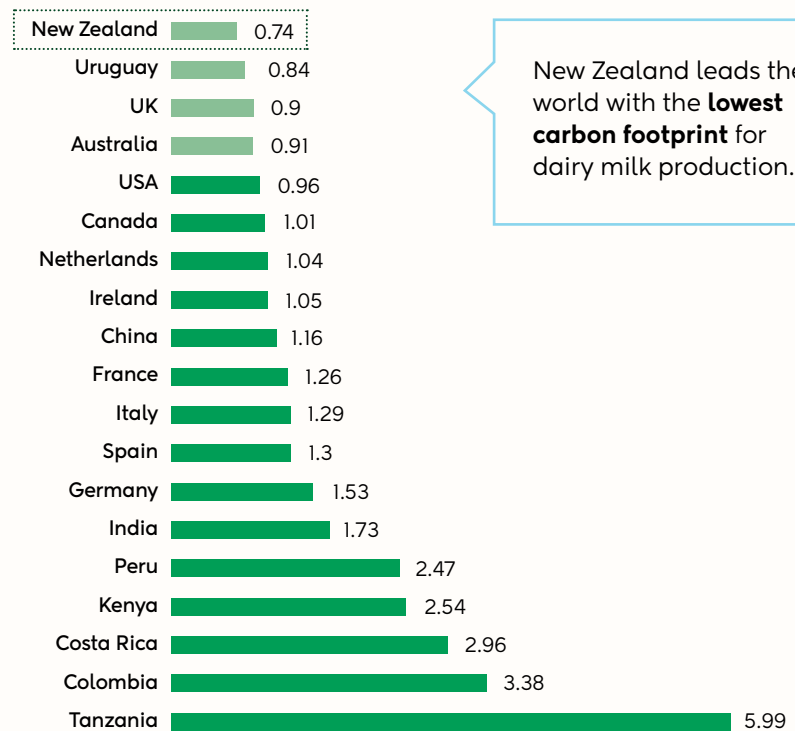
## Improving dairy's footprint

Even though New Zealand dairy farmers already have the world's lowest carbon footprint for on-farm milk production, there's more work to be done to ensure we remain competitive.



The dairy sector is committed to doing its fair share, alongside all sectors, to help reduce national emissions.

## Carbon footprint of milk production<sup>1</sup>



New Zealand leads the world with the **lowest carbon footprint** for dairy milk production.

Carbon Footprint (kg CO<sub>2</sub>e per kg FPCM)

## References

1. Mazzetto, A. M., Falconer, S., & Ledgard, S. (2022). Mapping the carbon footprint of milk production from cattle: A systematic review. *Journal of Dairy Science*.
2. Calculated using: Statistics on total annual milk solids production: New Zealand Dairy Statistics 2020-21 & Annual dairy cattle emissions: New Zealand's Greenhouse Gas Inventory 1990–2020 | Ministry for the Environment
3. Ministry for the Environment. (n.d.). NZ's interactive emissions tracker.
4. Ministry for the Environment. (2020). New Zealand's Greenhouse Gas Inventory 1990 2020 snapshot.