



Earthsave Canada

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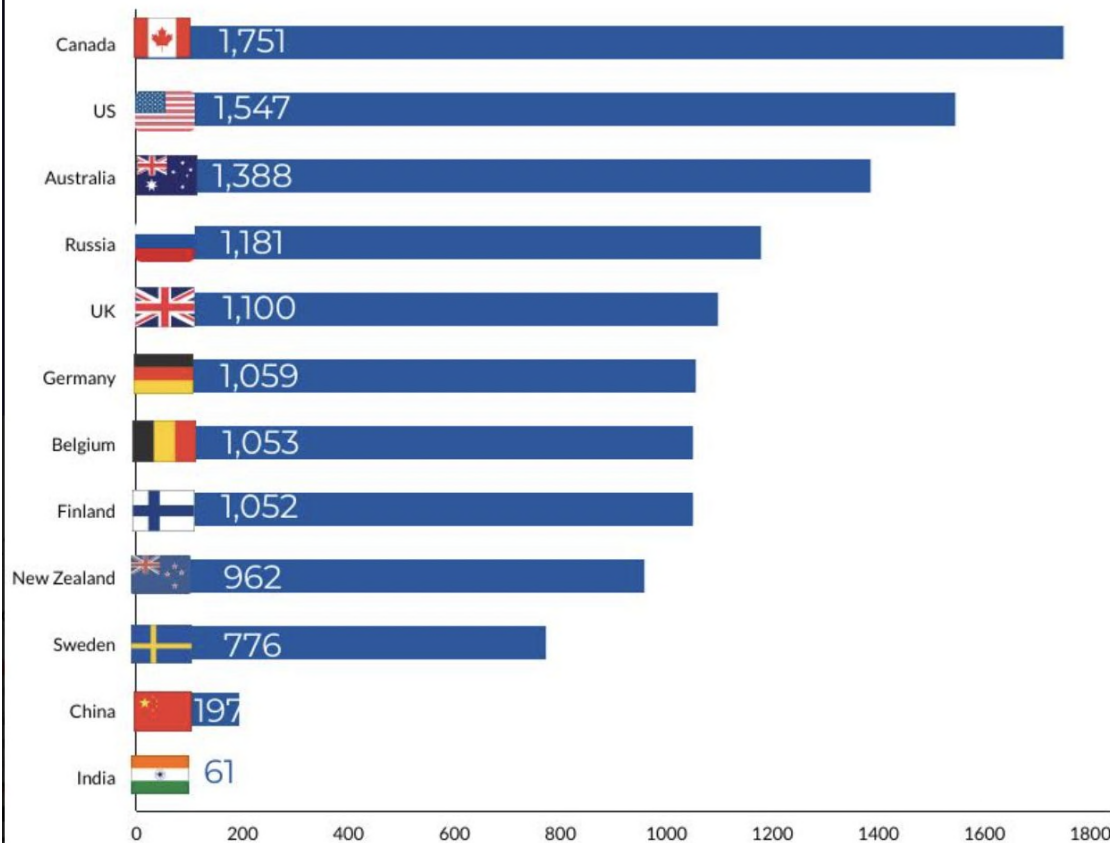
The United Nations declared a
CODE RED for humanity.

Our Ask

That the City of Brampton take a stand
and shift 50% of animal-based food
purchases to plant-based purchases by
the end of this year.



Cumulative carbon emissions per capita from 1850-2021 (tCO₂), selected countries



Source: Carbon Brief

Greenhouse Gas Emissions

- CO₂, methane and nitrous oxide emissions are all up
- Methane has about 56 times the Global Warming Potential (GWP) of CO₂ over 20 years
- Nitrous Oxide has about 280 times GWP of CO₂ over 20 years

Source:

<https://unfccc.int/process/transparency-and-reporting/greenhouse-gas-data/greenhouse-gas-data-unfccc/global-warming-potentials>

Globally, over the last 50 years

- The Earth's population has doubled
- The Earth has warmed 0.8° C
- Meat Production is up 267%
- Per capita meat consumption is up 75%
- 17% more of the world's forests have been destroyed

Sources

<https://www.infoplease.com/world/population/total-population-world-decade-1950-2050>

<https://www.weforum.org/agenda/2021/01/global-warming-chart-average-temperatures-rising/>

<https://ourworldindata.org/meat-production#global-meat-production>

https://www.researchgate.net/figure/Forest-and-Woodland-Cover-Area-ha-for-the-Year-1970-1980-2014-and-2020_tbl1_350700950

Plant-based vs Animal-based Foods

- Animal agriculture uses 83% of farmland, but provides only 18% of calories (Oxford)
- A plant-based food system could free up 75% of agricultural land
- A huge opportunity exists to rewild, and restore ecosystems and biodiversity
- Regenerative grazing requires even more land than industrial agriculture and results in more GHG emissions

Source:

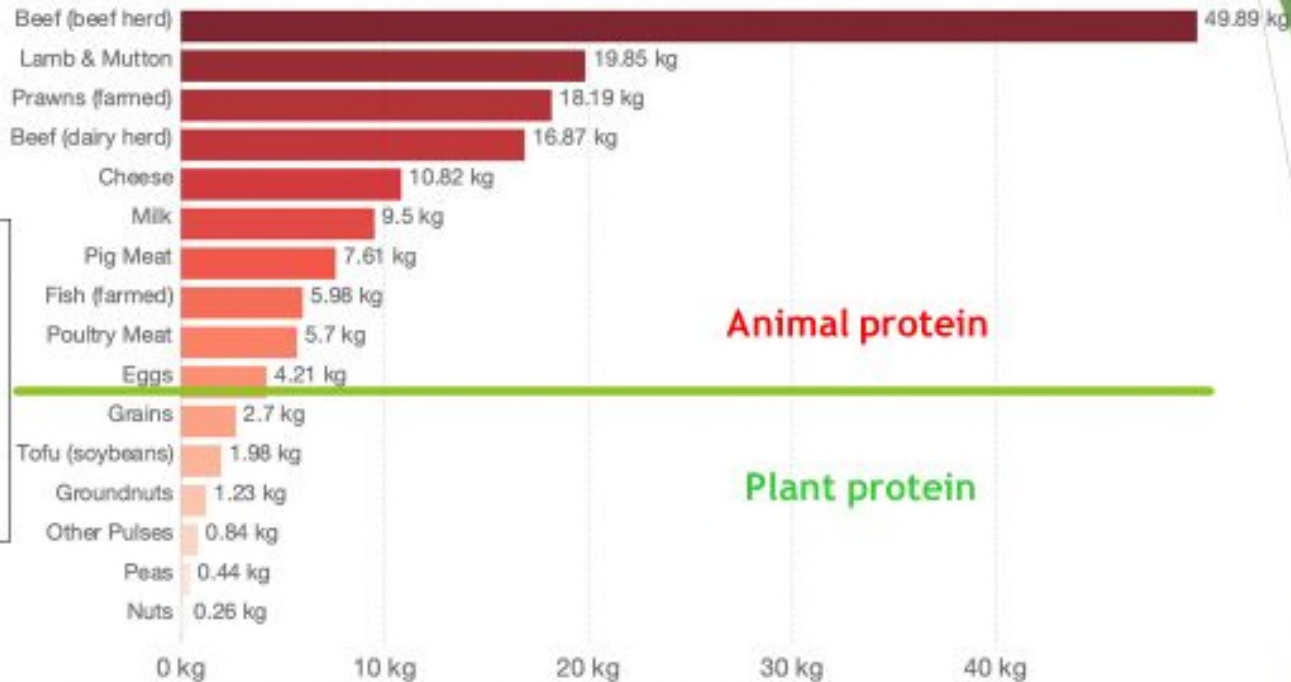
<https://www.leap.ox.ac.uk/article/reducing-foods-environmental-impacts>

https://publications.lib.chalmers.se/records/fulltext/244566/local_244566.pdf

Greenhouse gas emissions per 100 grams of protein

Greenhouse gas emissions are measured in kilograms of carbon dioxide equivalents (kgCO₂eq) per 100 grams of protein. This means non-CO₂ greenhouse gases are included and weighted by their relative warming impact.

Our World
in Data



GHG emissions from protein rich foods are shown per 100 grams of protein.

Source: Poore, J., & Nemecek, T. (2018). Additional calculations by Our World in Data.

Note: Data represents the global average greenhouse gas emissions of food products based on a large meta-analysis of food production covering 38,700 commercially viable farms in 119 countries.

Source: Our World in Data Sept 2019
Oxford University

Easy Ways to Switch

- Use [Greener By Default](#) principles for workshops and conferences by:
 - ▶ default to greener option
 - ▶ feature plant-based options first
- Swap out burgers and hotdogs at city concession stands and events with plant-based alternatives