

PAID ADVERTISEMENT

BEEFING UP SUSTAINABILITY

If all U.S. livestock were eliminated and every American followed a vegan diet, greenhouse gas emissions would only be reduced by 2%, or 0.36% **globally**.¹



BEEF

Funded by the Beef Checkoff

Beef's environmental footprint may drive headlines, but the truth is, eliminating beef is not a realistic or impactful solution for climate change.

Per the EPA, beef cattle are responsible for only 2% of greenhouse gas emissions in the U.S.² By contrast, transportation is responsible for approximately 30%.²

While the U.S. already produces the most sustainable beef in the world through decades of innovation, cattle farmers and ranchers are committed to producing high-quality, sustainable beef for generations to come. In fact, between 1961 and 2018, the U.S. beef industry reduced emissions per pound of beef by more than 40%.^{3,4}

Plus, cattle play an important role in protecting and enhancing our ecosystems by increasing carbon storage, improving soil health, mitigating wildfires and providing habitat for wildlife.⁵⁻⁷

We all play a role in a more sustainable future, but eliminating beef is not the answer.

Sources:

- White, R.R. and M.B. Hall. 2017. Nutritional and greenhouse gas impacts of removing animals from US agriculture. Proceedings of the National Academies of Sciences. 114(48) E10301-E10308. DOI: 10.1073/pnas.1707322114. Page 6. (Note: 0.36% of global emissions calculated from estimate of 49 gigatons (Gt) of anthropogenic carbon dioxide equivalents emitted in the year 2010 from the intergovernmental Panel on Climate Change Fifth Assessment Report. Summary of the report can be found at this link: https://www.ipcc.ch/pdf/assessment-report/ar5/wg3/ipcc_wg3_ar5_summary-for-policymakers.pdf)
- EPA. 2019. Inventory of U. S. Greenhouse Gas Emissions and Sinks: 1990-2017. U. S. Environmental Protection Agency, Washington, D. C. <https://www.epa.gov/sites/default/files/2021-04/documents/us-ghg-inventory-2021-main-text.pdf>
- USDA-NASS Quick Stats Tools. Available at: https://quickstats.nass.usda.gov/results/3AC161F7-F361-3A669B6C2E1220FEBF52?pivot=short_desc
- U.N. Food and Agriculture Organization. FAOSTAT Database – Food and agricultural data. Available at: <http://www.fao.org/faostat/en/#home>
- Smith, P. 2012. Soils and climate change. Current Opinion in Environmental Sustainability 4: 539-544.
- Schuman, et al. 2002. Soil Carbon dynamics and potential carbon sequestration by rangelands. Environmental Pollution. <https://www.onpasture.com/wp-content/uploads/2017/11/Soil-carbon-dynamics-and-potential-c-seq-by-rangelands.pdf>
- Davies et al. 2005. Winter grazing can reduce wildfire size, intensity and behaviour in a shrub-grassland. International Journal of Wildland Fire. <https://owri.oregonstate.edu/sites/agscid7/files/>