

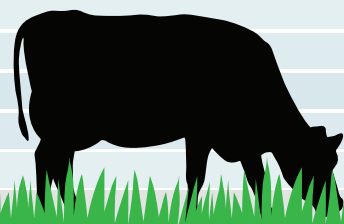
BEEF.

IT'S WHAT'S FOR DINNER.®

Capturing carbon from the atmosphere and storing it underground is one of the most efficient ways to slow climate change.

Good news - beef cattle help store carbon naturally, just by grazing on the land.

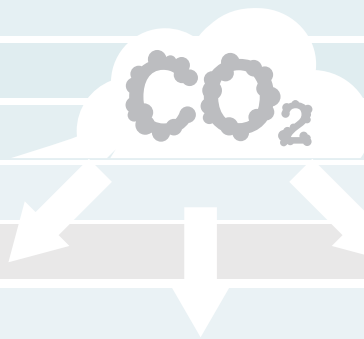
Carbon sequestration is the **removal and storage of CO₂** from the atmosphere. Sequestering harmful carbon and storing it in soil is critical for **buffering against the effects of climate change.**¹



Carbon is **stored in soil via plants and forage.** Through managed grazing, **cattle naturally accelerate carbon sequestration** because they efficiently recycle nutrients through the soil.^{2,3,4}



The U.S. land where cattle graze contains **between 10 and 30% of the carbon stored in soil.**²



Not only do beef **cattle help preserve this land** they can create **carbon negative budgets**—meaning they are helping **store more carbon than they are emitting.**⁶



If this land was instead developed, we would **release carbon** and lose the ability to **capture additional carbon in the future.**^{3,5}



References

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3. Schuman, et al. 2002. Soil Carbon dynamics and potential carbon sequestration by rangelands. Environmental Pollution 116: 391-396. <https://www.onpasture.com/wp-content/uploads/2017/11/Soil-carbon-dynamics-and-potential-c-seq-by-rangelands.pdf>
4. Scott, Dave. 2018. Livestock as a Tool: Improving Soil Health, Boosting Crops. NCAT. Found on <https://attra.ncat.org/product/livestock-as-a-tool-improving-soil-health-boosting-crops/>
5. Barry, Sheila. 2021. Beef Cattle Grazing More Help than Harm for Endangered Plants and Animals.
6. Teague et al. 2016. The role of ruminants in reducing agriculture's carbon footprint in North America. Journal of Soil and Water Conservation 71(2). Found on: The role of ruminants in reducing agriculture's carbon footprint in North America (jswconline.org).

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