

A Sustainable Food Supply in Perspective

Sustainable food production is a balance between available resources and human needs.

Everyone in the food system has a role, and the key to moving forward is the willingness of everyone to take the next step toward sustainable food production.¹



It takes **58% less** water and **72% less** land to produce the same amount of chicken than it did 1965.⁶



In 2018, GMOs allowed farmers to use 59 million **fewer acres** of land to produce the same amount of food, fuel and fiber crops than 1996.⁷



The **carbon footprint** of a gallon of milk has decreased by 19% since 2007.⁸



Beef production has reduced their waste outputs and their carbon footprint by 16.3% since 1977.⁹

¹U.S. Farmers & Ranchers Alliance. Agriculture in American Sustainability Report. 2017. <https://soygrowers.com/wp-content/uploads/2018/05/USFRA-Ag-sustainability-report-2017.pdf>. Accessed January 2, 2021.

²National Center for Biotechnology Information. Critical Role of Animal Science Research in Food Security and Sustainability. <https://www.ncbi.nlm.nih.gov/books/NBK285726/>. Accessed January 2, 2021.

³Sustainable Agriculture Research and Education Program. UC Davis Agricultural Sustainability Institute. <https://books.nap.edu/read/19000/chapter/1>. Accessed January 2, 2021.

⁴Cattlemen's Beef Board and National Cattlemen's Beef Association. NCBA Sustainability Executive Summary. 2019. <https://www.beefboard.org/wp-content/uploads/2019/06/SustainabilityExecutiveSummary.pdf>. Accessed January 2, 2021.

⁵World Resources Institute. How to Sustainably Feed 10 billion People by 2050, in 21 charts. December 5, 2018. <https://www.wri.org/blog/2018/12/how-sustainably-feed-10-billion-people-2050-21-charts>. Accessed January 2, 2021.

⁶Chicken Check In. Sustainability. <https://www.chickencheck.in/sustainability/>. Accessed January 2, 2021.

⁷GMO Answers. How Do GMOs Affect The Environment? <https://gmoanswers.com/gmos-environment/>. Accessed January 2, 2021.

⁸U.S. Dairy. Dairy Environmental Sustainability. <https://www.usdairy.com/sustainability/environmental-sustainability>. Accessed January 2, 2021.

⁹U.S. Sustainability. Fact Sheets. U.S. Beef - A Global Leader in Sustainability. <https://thesustainabilityalliance.us/us-beef-fact-sheet/#:~:text=Modern%20beef%20production%20requires%20fewer>. Accessed January 2, 2021.