

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



Sustainability and careful stewardship of land, water and energy resources is a priority for animal agriculture.



2.5 x less land, water and fuel was used in 2010 to produce enough chicken for 200 million more people than in 1960.⁷



In 2014, GMOs allowed farmers to use 51 million fewer acres of land to produce the same amount of food, fuel and fiber crops than 1996.⁸



The carbon footprint of a gallon of milk has decreased by 63% since 1964.⁹



For every pound of beef raised, 14% less water was used in 2007 than 1977.¹⁰

¹U.S. Farmers & Ranchers Alliance. Agriculture in America Sustainability Report 2017. http://www.fooddialogues.com/wp-content/uploads/2017/05/FR_Sustainability-Report-2017-FNLv3.pdf. Accessed September 25, 2017.

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 September 25, 2017.

³Sustainable Agriculture Research and Education Program. UC Davis Agricultural Sustainability Institute. <http://asi.ucdavis.edu/programs/sarep/about/what-is-sustainable-agriculture/#concept-themes>. Accessed September 25, 2017.

⁴Cattlemen's Beef Board and National Cattlemen's Beef Association, NCBA Sustainability Executive Summary. 2014. <http://beefresearch.org/CMDocs/BeefResearch/Sustainability%20White%20Paper%20and%20Infographics/SustainabilityExecutiveSummaryWeb1.pdf>. Accessed September 25, 2017.

⁵National Pork Board. Environmental Sustainability Efforts in Pork Production. 2009-2017. <http://www.pork.org/production-topics/environmental-sustainability-efforts-pork-production/>. Accessed September 25, 2017.

⁶Food and Agriculture Organization (FAO) of the United Nations. How to Feed the World in 2050. Rome, Italy, 2009. http://www.fao.org/fileadmin/templates/wfs/docs/expert_paper/How_to_Feed_the_World_in_2050.pdf. Accessed September 25, 2017.

⁷National Chicken Council. Chicken Farmers Are Feeding More With Less. <http://www.nationalchickencouncil.org/chicken-farmers-feeding-less/>. Accessed September 25, 2017.

⁸PG Economics. Global economic benefits of GM crops reach \$150 billion. <https://gmoanswers.com/sites/default/files/Can-GMOs-help-protect-the-environment.PDF>. Accessed September 25, 2017.

⁹ResearchGate. Greenhouse gas emissions from milk production and consumption in the United States: A cradle-to-grave life cycle assessment circa 2008. https://www.researchgate.net/publication/256686442_Greenhouse_gas_emissions_from_milk_production_and_consumption_in_the_United_States_A_cradle-to-grave_life_cycle_assessment_circa_2008. Accessed September 25, 2017.

¹⁰Cattlemen's Beef Board and National Cattlemen's Beef Association. The Cattlemen's Stewardship Review. Connecting Our Vision And Values. <http://www.explorebeef.org/cmdocs/explorebeef/imcattlemenstewardshipreview2.pdf>. Accessed September 25, 2017.

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