

ETHANOL: AN AMERICAN SUCCESS STORY



Ethanol is providing consumers with more affordable fuel options at the pump, making our air cleaner, and revitalizing rural America with homegrown biofuels.

GIVING CONSUMERS A CHOICE AT THE PUMP

- ✓ Ethanol gives American drivers a better performing, cleaner, less expensive, and homegrown fuel option – ethanol-blended fuel.
- ✓ Today, higher ethanol blends like E15 are available at more than 1,800 gas stations around the country, saving consumers up to 10 cents per gallon at the pump.¹



In 2018, **365,883 jobs** were supported by ethanol.²



The ethanol industry produces over **44 million tons of animal feed**, which helps meet our nation's need for fuel and food.³



The ethanol industry has a production capacity of over **16 billion gallons**.⁴

98% of our fuel supply contains ethanol.⁵

More than **90%** of cars on the road are approved for E15.⁶

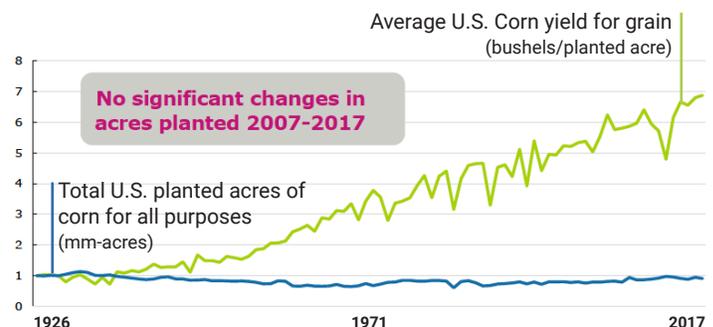


Adding ethanol to gasoline saves U.S. drivers **6.8 cents per gallon of finished gasoline, saving U.S. consumers \$9.7 Billion in 2017 alone**.⁷

REDUCING OUR ENVIRONMENTAL FOOTPRINT

- ✓ Corn ethanol reduces greenhouse gas emissions by 39 percent compared to conventional gasoline, and has the potential to reduce emissions by as much as 76 percent.⁸
- ✓ Ethanol helps to displace toxic petroleum chemicals that have been proven to cause cancer and smog.⁹
- ✓ Precision farming and innovation have helped reduce our environmental footprint, cutting land use for corn by more than four million acres since 2007.¹⁰
- ✓ The next generation of advanced biofuels, like cellulosic ethanol, can reduce greenhouse gas emissions by 100 percent or more over.¹¹

DRIVING AGRICULTURAL INNOVATION¹²



ENCOURAGING HOMEGROWN BIOFUELS

- ✓ Today, the U.S. consumes more than 19 million barrels of oil per day, and about 19 percent of that is still being imported from other countries.¹³
- ✓ Since 2005, net oil imports have dropped by more than 70 percent in part due to the increased production of renewable fuels like ethanol.¹⁴

1 [Growth Energy EPA Testimony](#), March 2019
2 [Energy Agwired.com](#), "Ethanol Continues Significant Contribution to Economy," Feb., 2019
3 [U.S. Grains Council](#), DDGS, Mar. 2019
4 [EIA](#), U.S. Fuel Ethanol Plant Production Capacity, July 2018
5 [DOE Alternative Fuels Data Center](#), April 29, 2019
6 [Growth Energy Testimony for House Committee on Science, Space, and Tech.](#), July 25, 2017
7 [University of Illinois, Dept. of Agricultural and Consumer Economics](#), "Revisiting the Value of Ethanol in E10 Gasoline Blends," April 4, 2019.
8 [USDA](#), "The Greenhouse Gas Benefits of Corn ethanol – Assessing Recent Evidence," April 2, 2019

9 [University of California Riverside Study](#), "Investigating the Effect of Varying Ethanol and Aromatic Fuel Blends on Secondary Organic Aerosol (SOA) Forming Potential for a FFV-GDI Vehicle," April, 2018
10 [USDA](#) National Agricultural Statistics Service, Mar. 2019
11 [U.S. DOE](#), Alternative Fuel Data Center, 'Flexible Fuel Emissions', Mar. 2019
12 [USDA](#), Economic Research Service, 'Feedgrains Sector at a Glance', Mar. 2019
13 [EIA](#), FAQ, 'How much oil is consumed in the United States?', Mar. 2019
14 [EIA](#), Petroleum & Other Liquids, Mar. 2019