ETHANOL: AN AMERICAN SUCCESS STORY

growth energy™
America's Ethanol Supporters

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]**

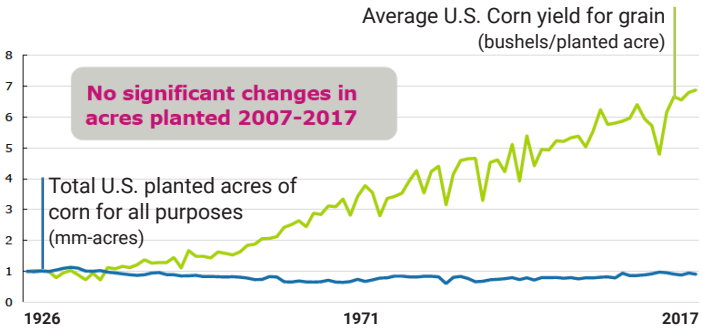
More than 90% **of cars on the road are approved for E15.[6]**

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 INNOVATION[12]



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