

About NCGA

Founded in 1957, the National Corn Growers Association represents more than 40,000 dues-paying corn farmers nationwide and the interests of more than 300,000 growers who contribute through corn checkoff programs in their states.

NCGA and its 49 affiliated state organizations work together to sustainably feed and fuel a growing world by creating and increasing opportunities for corn growers.

www.ncga.com



FOOD & FUEL

U.S. farmers grow more than enough corn for all uses

- Each year, a supply of corn is held over to be used the following year. This year we're holding more than **2 billion** bushels for next year from the current corn supply.
- U.S. ethanol production uses just 3% of the global grain supply.

Real FUEL FREEDOM

Ethanol blends give drivers a real and renewable fuel choice.

- With E10, E15 and E85, consumers at the pump can have a choice in what to put in their gas tanks.
- The U.S. Environmental Protection Agency has approved E15 (15% ethanol blend) for use in 2001 and newer cars and trucks.
- E15 is one of the most tested fuel blends in history.



ETHANOL FACTS



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ETHANOL & GASOLINE

Ethanol a key gasoline additive

- Adding renewable ethanol into the fuel supply provides a lower-cost oxygenate that helps engines run cleaner and with more power.
- When available at a lower cost than gasoline, it provides fuel blenders a way to save money allowing retailers to charge less at the pump.
- No alternatives can compete with ethanol's performance and value.

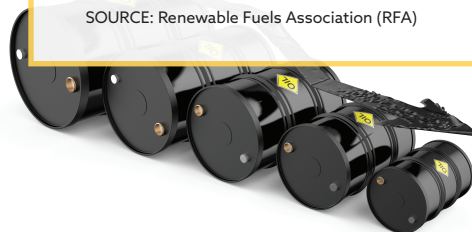


ENERGY SECURITY

Ethanol helps reduce our need for foreign oil

- Petroleum import dependence peaked at 60% in 2005, but was just 25% in 2015.
- Petroleum import dependence would have been 32% without 14.7 billion gallons of ethanol in 2015.
- In 2015, ethanol displaced an amount of gasoline refined from 527 million barrels of crude oil — more than the amount of oil imported annually from Saudi Arabia.

SOURCE: Renewable Fuels Association (RFA)



RURAL ECONOMY

Ethanol supports local jobs and helps the U.S. economy

- In 2015, the U.S. ethanol industry helped support more than 350,000 jobs.
- Ethanol contributed nearly \$44 billion to the Gross Domestic Product and added nearly \$24 billion to household income.
- This generated nearly \$10 billion in tax revenue for federal, state and local governments.

SOURCE: Renewable Fuels Association (RFA)



LOWER EMISSIONS

In reducing emissions, ethanol outperforms gasoline

- According to the U.S. Department of Agriculture, the greenhouse gas (GHG) emissions from corn-based ethanol are 43% lower than gasoline when measured on an energy equivalent basis — even when land use change is included.
- The use of ethanol in gasoline in 2015 reduced CO₂-equivalent GHG emissions from transportation by 41.2 million metric tons—equivalent to removing 8.7 million cars from the road for an entire year.

Photo: Fields-of-Corn • Lindsay Miller