

# ETHANOL FACTS

In 2021, the U.S. produced 15.15 billion bushels of corn. Of which, 5 billion bushels was dedicated to ethanol production.

## REAL FUEL FREEDOM

### Ethanol blends give drivers a renewable fuel choice

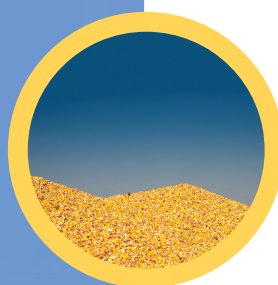
- With E10, E15, and E85 available consumers have a choice of real and renewable fuel at the pump.
- The U.S. Environmental Protection Agency has approved E15 (15% ethanol blend) for use in 2001 and newer cars and trucks.
- E15 is one of the most tested fuel blends in history and is now available at over 2,300 sites across the U.S.



## FOOD & FUEL

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

- While more attacks on ethanol are focused on food insecurity, corn is a very inexpensive food ingredient.
- Energy prices and supply chain issues have a greater impact on food inflation than fuel does.
- When making ethanol, one-third of every bushel processed is returned as livestock feed.



## ETHANOL & LIVESTOCK

### Ethanol byproducts make valuable livestock feed

- The sugars and starches from corn used to make ethanol are a great source of energy in livestock diets.
- One bushel of corn produces 2.9 gallon of denatured fuel ethanol and 15.1 pounds of distillers grain for animal feeds.
- Distillers feed is used in beef cattle, dairy cattle, swine, and poultry diets.



## RURAL ECONOMY

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

- In 2021, the U.S. ethanol industry helped support over 407,000 jobs across rural America.
- Ethanol contributed nearly \$52 billion to the Gross Domestic Product and added nearly \$28.7 billion to household income.
- This generated nearly \$10.4 billion in tax revenue for federal, state and local governments.



## ETHANOL & GASOLINE

### Ethanol is 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.



## 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 52% lower than gasoline when measured on an energy equivalent basis.
- The Renewable Fuels Association set a goal to achieve net zero emissions by 2050. With the help of new technology, ethanol production will become more efficient.



NATIONAL  
CORN GROWERS  
ASSOCIATION

SOURCE: RENEWABLE FUELS ASSOCIATION (RFA)