

SUSTAINABILITY

Between 1987 and 2007, corn farmers have reduced these impacts per bushel of corn:

Land Use ↓ 37%

Energy ↓ 37%

Irrigation ↓ 27%

Soil Loss ↓ 69%

Source: www.fieldtomarket.org

FOOD AND FUEL

U.S. corn farmers are producing **more than enough corn for all uses**. Some corn is even held over to be used the following year.

- Farm products represent less than 12 cents of each food dollar, the USDA reports. Marketing costs such as energy, packaging and transportation represent a higher portion.
- The Congressional Budget Office says biofuels were responsible for only a fraction of food inflation in 2007-2008.
- Sudden spikes in corn prices, like those seen in 2008 and 2010, are caused mainly by speculation in the commodity futures markets.

FAMILY FARMERS



U.S. farms may be diverse in size and scope, but the USDA reports that the vast majority are family operations.

- 95% of corn farms are family farms
- 90% of corn is grown on family farms
- Family farms manage 84% of all farm acreage
- Family farms represent 78% of all farm sales

LAND USE AND ETHANOL

- We can meet all needs and provide a prudent carry-over because corn farmers are significantly increasing production per acre, up **34% in the past 15 years**.
- Deforestation in South America has been on the decrease as U.S. corn and ethanol production have risen.
- Producers overseas do not make decisions based on what individual farmers in the United States do with their farmland.



LEARN MORE

For more information on corn, corn farmers or corn products, visit these websites:

National Corn Growers Association
www.ncga.com

Corn Commentary
www.corncommentary.com

Corn Farmers Coalition
www.cornfarmerscoalition.org

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Corn Facts



LEARN MORE

For more information on ethanol, visit these websites:

National Corn Growers Association
www.ncga.com

American Coalition for Ethanol
www.ethanol.org

Growth Energy
www.growthenergy.org

Renewable Fuels Association
www.ethanolrfa.org

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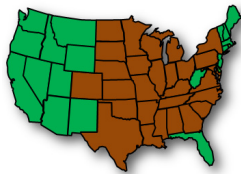
Ethanol Facts



ABOUT US

Founded in 1957, the **National Corn Growers Association** represents 35,000 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 affiliated state associations and checkoff organizations create and increase opportunities for corn growers.



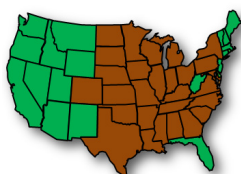
State Affiliates
& Grower Members

Individual
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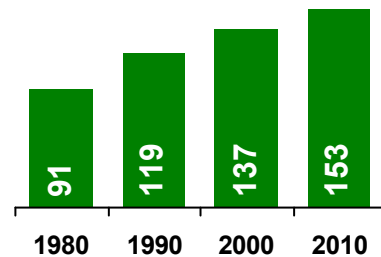
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EFFICIENCY

Technology and innovation help corn farmers grow increasing amounts of corn per acre to meet all needs for food, feed and fuel.

Average Bushels Per Acre



Source: USDA

CORN SUPPLY

88.2 Million Acres Planted in 2010

81.4 Million Acres Harvested

12.4 Billion Bushels Produced

1.7 Billion Bushels Held from 2009

14.2 Billion Bushels Total Supply

Source: USDA, for the 2010 crop

CORN USE

4.8 billion bushels are used for livestock and poultry feed and residual use in the United States.

5 billion bushels go into the production of 13 billion gallons of ethanol. This process also produces enough distillers grains, a high-protein animal feed, to replace another **1.2 billion bushels** of corn for feed.

1.4 billion bushels become sweeteners, starch and food products.

1.8 billion bushels of corn will be exported, mostly for feed.

The remainder, **1.1 billion bushels**, is held over for future use.

Source: USDA, for the 2010 crop

ENERGY SECURITY

Ethanol helps reduce our need for foreign oil.

- The U.S. imports 65% of its petroleum needs today.
- In 2010, we made and used enough ethanol to displace the need for 445 million barrels of foreign oil.
- This is the the equivalent of 13 percent of total U.S. crude oil imports.
- The value of the crude oil displaced by ethanol amounted to \$34 billion in 2010.

Source: RFA

LOWER EMISSIONS

When it comes to reducing emissions, ethanol outperforms gasoline.

- 2009 research by the University of Nebraska found that direct-effect greenhouse-gas emissions were estimated to be equivalent to a **48% to 59% reduction** compared to gasoline.
- The EPA recognizes that corn ethanol provides a **21% to 52% GHG reduction** compared to regular gasoline, depending on whether you took into account global indirect land use change.

RURAL ECONOMY

Ethanol provides good domestic jobs and supports the U.S. economy.

- In 2010, the U.S. ethanol industry helped support more than **400,000 jobs**.
- Ethanol **contributed \$53.6 billion** to the Gross Domestic Product and **added \$36 billion** to household income.
- This generated **\$7 billion** in tax revenue for the federal government and nearly **\$4 billion** of tax revenue for state and local governments.

Source: RFA