

CORN TRUTH CARD No. 1

How Modern Ag Saves the Planet

- A June 2010 Stanford University study says advances in high-yield agriculture have prevented massive amounts of greenhouse gases from the atmosphere – 590 billion metric tons of CO₂.
- If not for increased yields, additional GHG emissions from land clearing for farming would equal one third of the world's total output of GHG since 1850.

CORN TRUTH CARD No. 2

Corn Supply: The 2010 Crop

- U.S. corn producers harvested 12.7 billion bushels of field corn in 2010, from 81.3 million acres. **The third largest crop ever.**
- Total 2010 corn supply would be **14.4 billion bushels**, taking into account a carry-in of 1.7 billion bushels from the 2009 crop.
- *Figures based on an Oct. 8 USDA report.*

CORN TRUTH CARD No. 3

Corn, Ethanol and Food Costs

- USDA reports that raw food inputs make up only 19% of each food dollar.
- Even at \$4 per bushel, corn costs 7 cents per pound, meaning it represents a fraction of food costs.
- Between 2007 and 2009, while ethanol demand increased, the farm price for corn declined.
- After corn is processed into ethanol, all of the protein and nutrients are still used as food and feed.

CORN TRUTH CARD No. 4

Farming Sustainably

- Especially with biotechnology, new hybrid seeds reduce insecticide and herbicide use.
- Increased corn yields mean more efficiency with nitrogen, phosphate and potassium used per bushel of corn grown.
- Modern tillage practices, including no-till farms, are becoming more prevalent and have greatly decreased soil erosion.

CORN TRUTH CARD No. 5

Corn Farming: All in the Family

- U.S. farms are diverse, ranging from small retirement and residential farms to enterprises with annual sales in the millions. However, the vast majority are family operations. According to USDA's 2007 Census of Agriculture:
 - *95% of corn farms are family farms.*
 - *Family farms manage 84% of all farm acreage.*
 - *Family farms represent 78% of all farm sales.*

CORN TRUTH CARD No. 6

Busting Myths About HFCS

- There is no nutritional benefit gained by replacing high fructose corn syrup with another caloric sweetener.
- HFCS contains no artificial ingredients and meets the FDA's requirements for use of the term "natural."
- The process to manufacture sugar is remarkably similar to that of high fructose corn syrup.

CORN TRUTH CARD No. 7

Corn Ethanol for Lower Emissions

- A 2009 study 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 U.S. EPA recognizes that corn ethanol provides a 21% to 52% GHG reduction compared to gasoline, depending on whether you took into account global indirect land use change.

CORN TRUTH CARD No. 8

The Global Indirect Land Use *Myth*

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

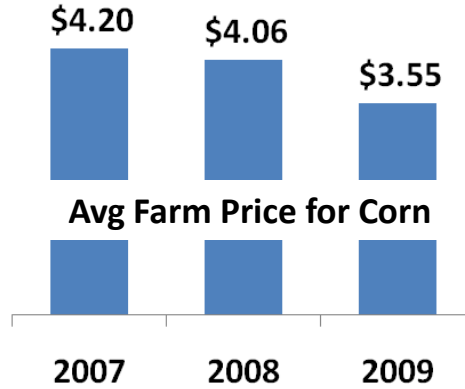
Farming Sustainably

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

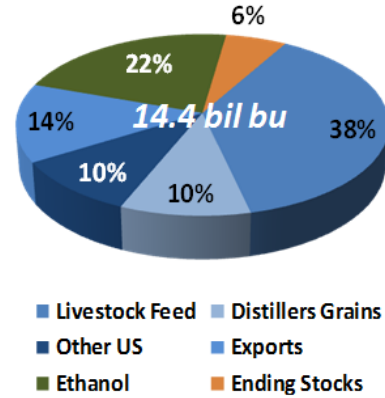
- Land Use ↓ 37%
- Energy ↓ 37%
- Irrigation ↓ 27%
- Soil Loss ↓ 69%



Corn, Ethanol and Food Costs



Meeting All Needs



How Modern Ag Saves the Planet

- For every dollar spent on ag research and development since 1961, emissions of the three principal greenhouse gases were cut by the equivalent of about a quarter of a ton of CO₂.
- Yield intensification has lessened the pressure to clear land and reduced emissions by up to 13 billion tons of CO₂ a year.



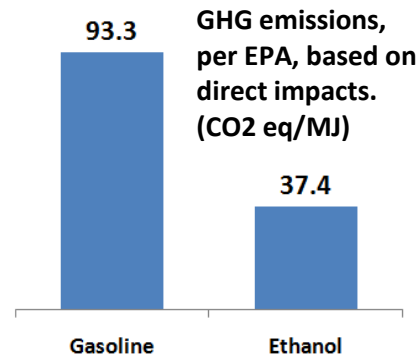
The Global Indirect Land Use Myth

U.S. corn farmers don't need extra acreage to grow more corn. Here's NCGA's estimate:

Year	Corn Acres Harvested	Bushels Produced
2007	86.5 mil	13.1 bil
2015	86.2 mil	15.2 bil
2020	83 mil	17.0 bil



Corn Ethanol for Lower Emissions



HFCS Quotes

"Because the composition of HFCS and sucrose are so similar, particularly on absorption by the body, it appears unlikely that HFCS contributes more to obesity or other conditions than sucrose."

- American Medical Association

"Both sweeteners contain the same number of calories and consist of equal parts of fructose and glucose. Once absorbed into the blood stream, the two sweeteners are indistinguishable."

- American Dietetic Association



Corn Farming: All in the Family

Corn Farms by Type:

