RESILIENCY & CLIMATE ADAPATION BEGINS WITH US

We represent U.S. farmers and ranchers who are committed to producing the world’s food, feed and fiber supply in a sustainable way. Farmers and ranchers continue to be stewards of the land by promoting soil health, conserving water, enhancing wildlife, efficiently using nutrients and caring for their animals. For decades they have pushed past the boundaries of innovation by investing in agricultural research and adopting practices with the goals of improving productivity, providing clean and renewable energy, and enhancing sustainability.

U.S. Farms Are Boosting Productivity While Conserving Resources 1/  

<table>
<thead>
<tr>
<th>Year</th>
<th>Total Farm Inputs*</th>
<th>Total Agricultural Output**</th>
</tr>
</thead>
<tbody>
<tr>
<td>1948</td>
<td>90%</td>
<td>100%</td>
</tr>
<tr>
<td>1958</td>
<td>100%</td>
<td>130%</td>
</tr>
<tr>
<td>1968</td>
<td>130%</td>
<td>170%</td>
</tr>
<tr>
<td>1978</td>
<td>170%</td>
<td>210%</td>
</tr>
<tr>
<td>1988</td>
<td>210%</td>
<td>250%</td>
</tr>
<tr>
<td>1998</td>
<td>250%</td>
<td>290%</td>
</tr>
<tr>
<td>2008</td>
<td>290%</td>
<td>330%</td>
</tr>
</tbody>
</table>

Growth is driven by productivity gains, not more cropland or livestock.

U.S. Agriculture’s Share Of GHG Emissions, 2017 2/  

- 91% Non-Ag Sectors*
- 2% Livestock Emissions
  - Beef Cattle 2%
  - Dairy Cattle <1%
  - Pork <.3%
- 9% Total Agriculture

The use of ETHANOL AND BIODIESEL in 2018 reduced GHG emissions by 7.1 MMT-equivalent to 17 MILLION CARS off the road.

Farmers Are Providing More Clean & Renewable Energy 3/  

U.S. farmers and ranchers are adopting and investing in RENEWABLE AND CLEAN ENERGY sources. In the last five years, farmers and ranchers have put in 132% more renewable energy sources including geothermal, solar panels, windmills, hydro systems and methane digesters. More than 130,000 operations employ renewable energy sources.

- 223% Geooexchange Heating
- 148% Solar
- 97% Wind Rights
- 56% Windmills
- 28% Methane Digesters

Change from 2012

>15% Of All Farmland Is Used For Conservation & Wildlife Habitat Efforts 3/ 4/  

+140,000,000 Acres*  

Total acres U.S. farmers have enrolled in certain USDA conservation programs. Equal to the total land area of California & New York. This does not include millions of acres in voluntary- or state-led conservation practices.

*Includes CRP, CSP, EQIP and VPA-HIP active and completed contracts through fiscal years 2017
Sustainable Soil Use & Resource Conservation Efforts Increased
34 Million Acres, +17%, Since 2012

Cover Crops +5 Million Acres
+50%

Tile & Water Management +7 Million Acres
+14%

Conventional Tillage -26 Million Acres
-24%

Conservation Easement ~Unchanged

No-Till Conservation +8 Million Acres
+8%

2017 Acreage
Million Acres and Changes Since 2012

Conservation Tillage +21 Million Acres
+28%

Top Soil Practices In 2017
Million Acres

- No-Till Conservation 104
- Conservation Tillage 98
- Conventional Tillage 80

U.S. farmers are proactively managing and preserving their soil by planting MORE COVER CROPS, using MORE CONSERVATION TILLAGE, and using MORE NO-TILL methods. These practices help to conserve soil, preserve and increase nutrients, and improve water quality. These practices trap excess carbon in the soil and reduce GHG emissions.

Greenhouse Gas Emissions Are Trending DOWN In U.S. Agriculture*

Corn and Soybeans

Cotton and Rice

Beef/Milk/Pork

*Pounds of carbon dioxide equivalent GHG emissions per bushel of corn and soybeans produced, per pound of cotton lint produced, per pound of rice, milk, beef and pork produced.

FSF represents U.S. farmers and ranchers committed to sustainably producing the world’s food, feed and fiber supply.

Data Sources:
1/ United States Department of Agriculture’s Economic Research Service
2/ Environmental Protection Agency’s Greenhouse Gas Inventory Data Explorer
3/ United States Department of Agriculture’s National Agricultural Statistics Service Census of Agriculture
4/ United States Department of Agriculture’s Natural Resources Conservation Service