RESILIENCY & CLIMATE ADAPTATION 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/

- **+270%**
- U.S. farms are producing more food, feed and fiber without using more resources, helping to save water and soil, enhance biodiversity and conserve energy.
- Growth is driven by productivity gains, not more cropland or livestock.
- Index, 1948 = 100%

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

- Global agricultural GHG emissions are 24%, but because of U.S. FARMERS’ & RANCHERS’ CONSERVATION efforts and IMPROVEMENTS in TECHNOLOGY, U.S. farmers have a LOWER GHG CONTRIBUTION than other farmers around the world, averaging 9% over the last decade.
- 91% Non-Ag Sectors
- 9% Total Agriculture
- Beef Cattle 2%
- Dairy Cattle <1%
- Pork <.3%

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.
- Geoxchange Heating +223%
- Solar +148%
- Wind Rights +97%
- Windmills +56%
- Methane Digesters +28%

>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%
Conventional Tillage -26 Million Acres -24%
No-Till Conservation +8 Million Acres +8%
Conservation Easement ~Unchanged

Top Soil Practices In 2017

- 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.

FFASF 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