









# O 5 % of U.S. farms are family farms

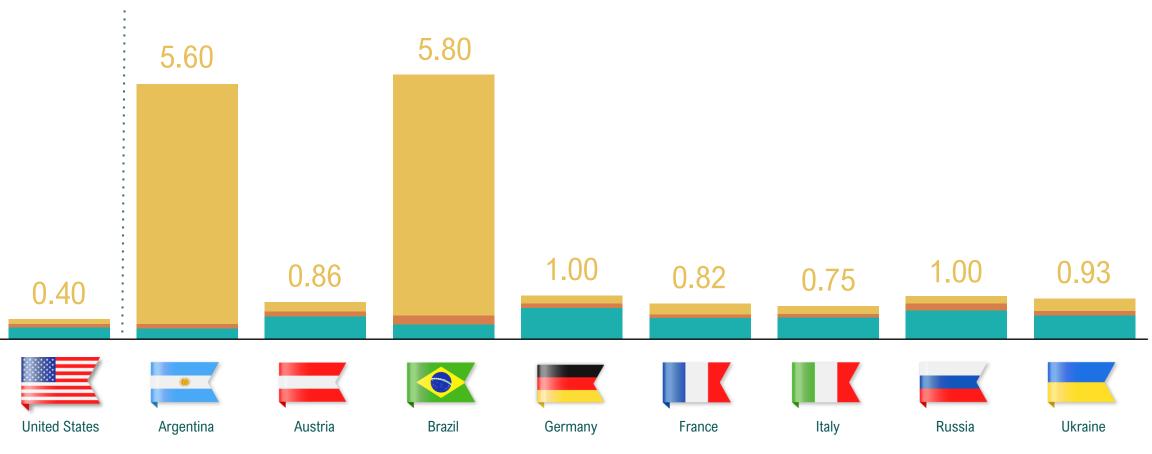
"Operating a multigenerational farm compels me to always take a long look at how I manage my operation. My farm has to be managed for profit today without losing sight of the fact that future generations will depend on it for their livelihood as well. Because of my strong family legacy, my customers can expect consistency and a partner that will be here doing business for generations to come."





### Carbon Footprint (including LUC) of whole soybeans imported into Japan

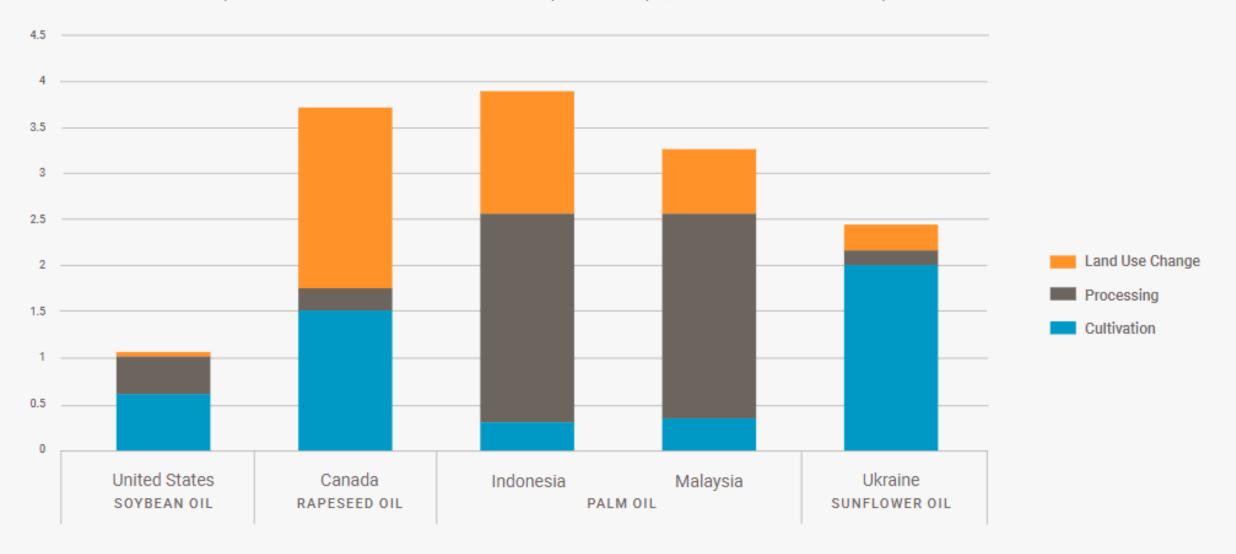
Total (kg CO<sub>2</sub> eq/kg product)





Cultivation
Transport
Land Use Change

### Carbon Footprint (in. Land Use Change, ex. Peat) - Total (kg CO<sub>2</sub> eq/kg product)\*

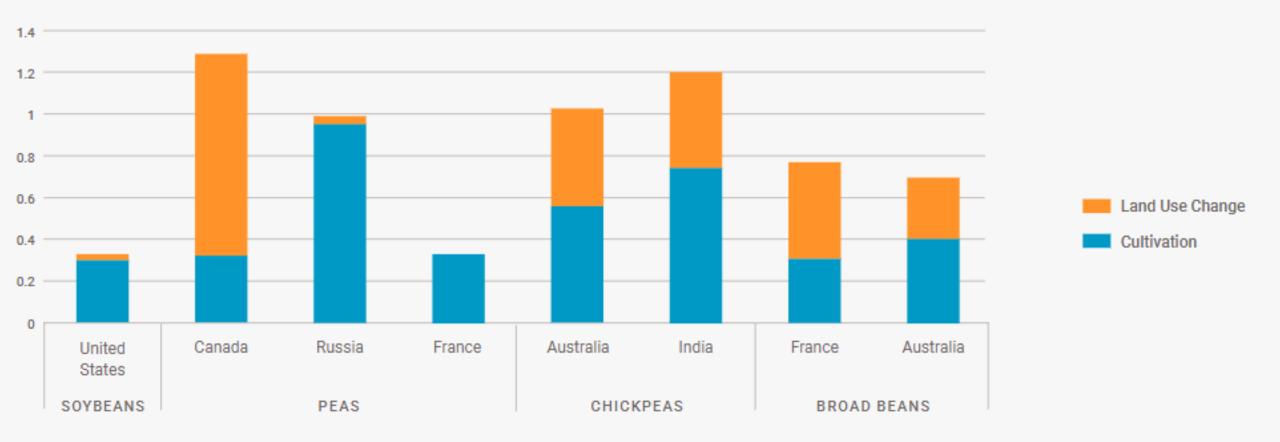




Source: Blonk Consultants, Agri-footprint

\* Results based on default emission modeling, including land use change emissions, according to the rules of the PEFCR-Feed guidance document (European Commission, 2018) as implemented in the Agri-Footprint 5.0 database. Input data rely on country average FAO statistics and other secondary sources. Supplier specific information would improve data quality and may provide differing results. Comparisons have not been reviewed in the context of ISO 14040/14044 compliance.

### Carbon Footprint (in. Land Use Change, ex. Peat) - Total (kg CO2 eq/kg product)\*





Source: Blonk Consultants, Agri-footprint

<sup>\*</sup> Results based on default emission modeling, including land use change emissions, according to the rules of the PEFCR-Feed guidance document (European Commission, 2018) as implemented in the Agri-Footprint 5.0 database. Input data rely on country average FAO statistics and other secondary sources. Supplier specific information would improve data quality and may provide differing results. Comparisons have not been reviewed in the context of ISO 14040/14044 compliance.



#### What is GFLI?

The Global Feed LCA Institute (GFLI) is an independent non-profit animal nutrition and food industry institute created by the feed industry. The Institute developed and maintains a publicly available database of more than 1800 datasets on ingredients to make it possible for companies and other partners can calculate their product environmental footprint.

The GFLI database consists of over 1800 LCA datasets for major feed ingredients over the entire world (most datasets concentrated in Europe). With alignment of methodology with the FAO-LEAP & EU PEFCR Feed, the GFLI database is the most complete LCA database for feed (and food) ingredients.

How can it be used?

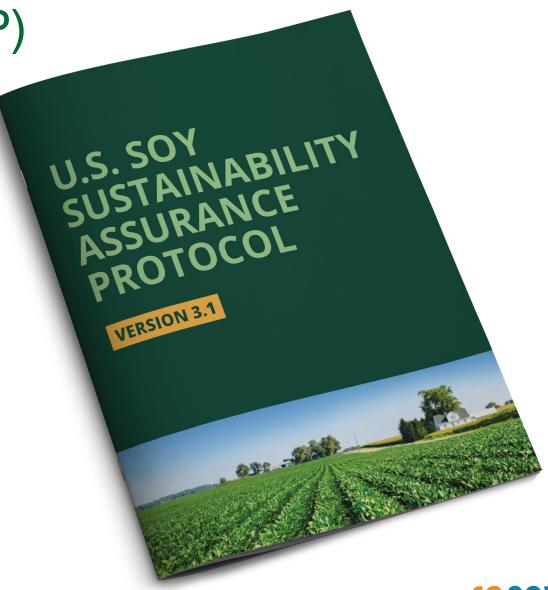
The GFLI can be used to compare the environmental footprint of various sourcing countries of soy to calculate your product's environmental footprint.





U.S. Soy Sustainability Assurance Protocol (SSAP)

- Scheme designed to meet sourcing guidelines in international market
  - Four Directives
- Aggregate
- Third party audit
- Certification
- Continuous Improvement Goals





### U.S. Soybean Sustainability Assurance Protocol

#### FOUR DIRECTIVES WITH CONTROL MEASURES & REGULATIONS

### 1. Biodiversity and High Carbon Stock

Wetland, grassland, forest, biodiversity

#### 2. Production Practices

Conservation tillage, crop rotation, precision farming

#### 3. Public and Labor Health, and Welfare

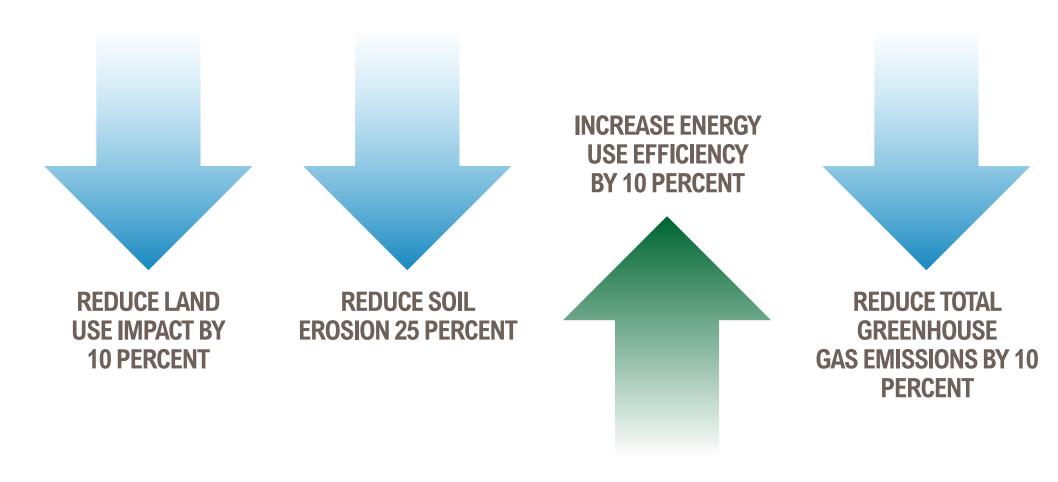
EPA, EEO, OSHA

#### 4. Continuous Improvement

CRP, Conservation programs, training and info sharing



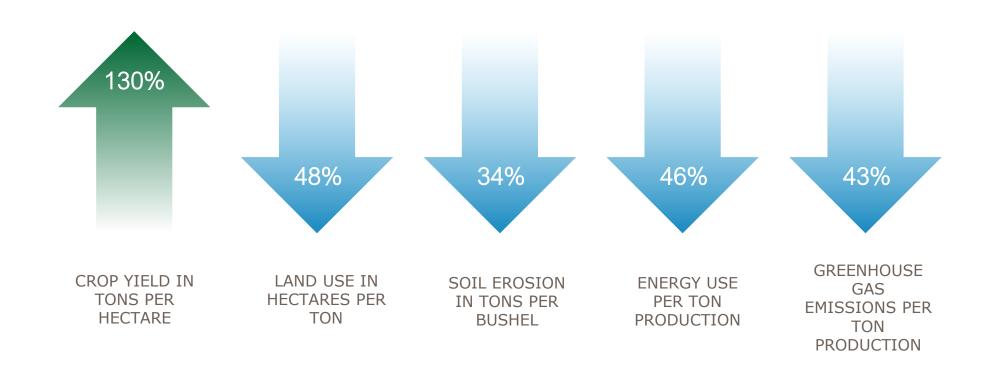
### By 2025, U.S. Soybean Farmers Aim to:



These continuous improvement goals were adopted by key U.S. Soy organizations in 2014 and are based on Field to Market 2000 benchmark.



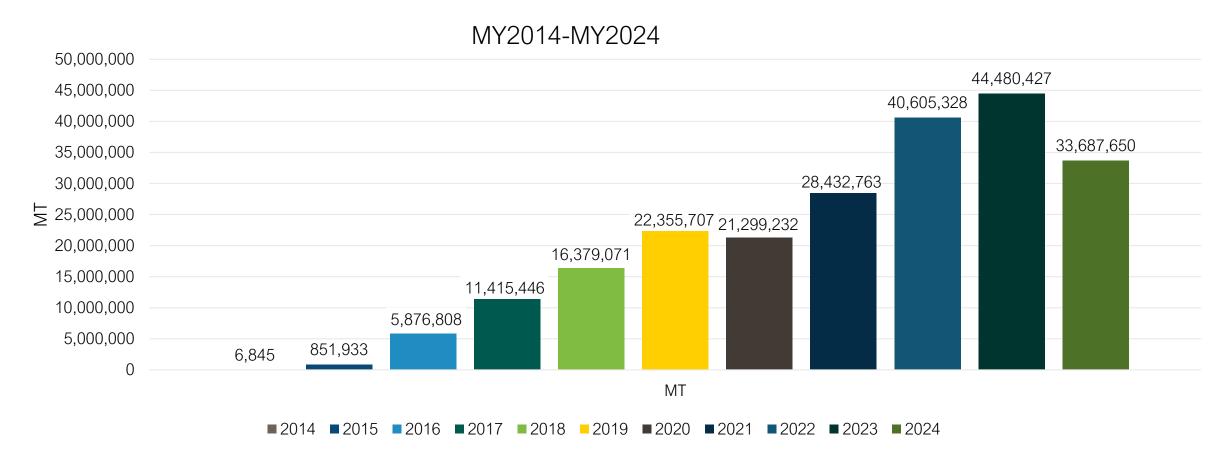
### Environmental Impact of U.S. Soybean Production (1980-2020)



Field to Market: The Alliance for Sustainable Agriculture, 2021. Environmental Outcomes from On-Farm Agricultural Production in the United States (Fourth Edition). ISBN: 978-0-578-33372-4

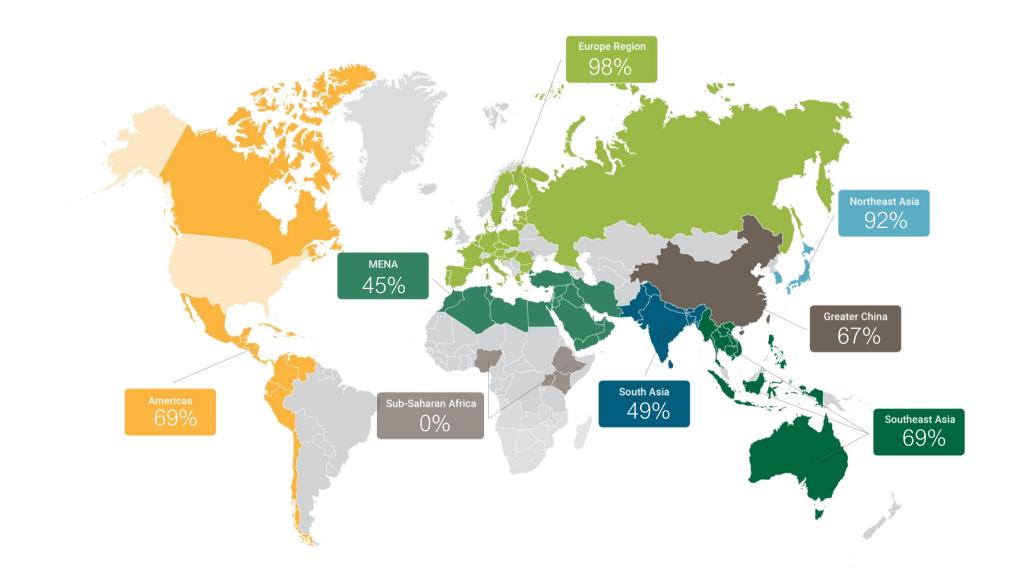


### Verified Sustainable U.S. Shipments for Marketing years 2014-2024





### SSAP Shipments as a Percent of Total U.S. Soy Exports





### Key Achievements for SSAP





Gold Equivalency











### How to obtain an SSAP Certificate

- Speak to your supplier!
- SSAP certificates are transferable



### Coming Soon!





### SUSTAINABLE U.S. SOY



- U.S. Trademark approved
- In use in:

$\bigcirc$	Rel	lize
$\circ$		1120

Mexico

El Salvador

Nicaragua

Guatemala

China

Colombia

Taiwan

Ecuador

Japan

Panama

South Korea

Venezuela

Indonesia

Costa Rica

Philippines

Dominican Republic

Vietnam

 Can be used to differentiate U.S. Soy, examples can include bags, totes, labels, etc.







## SUSTAINABLE SISTAINABLE U.S. SOY

















### SOY.ORG

### Thank You!



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