



U.S. SOY

# U.S. Soy Sustainability

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SUSTAINABLE  
 U.S. SOY



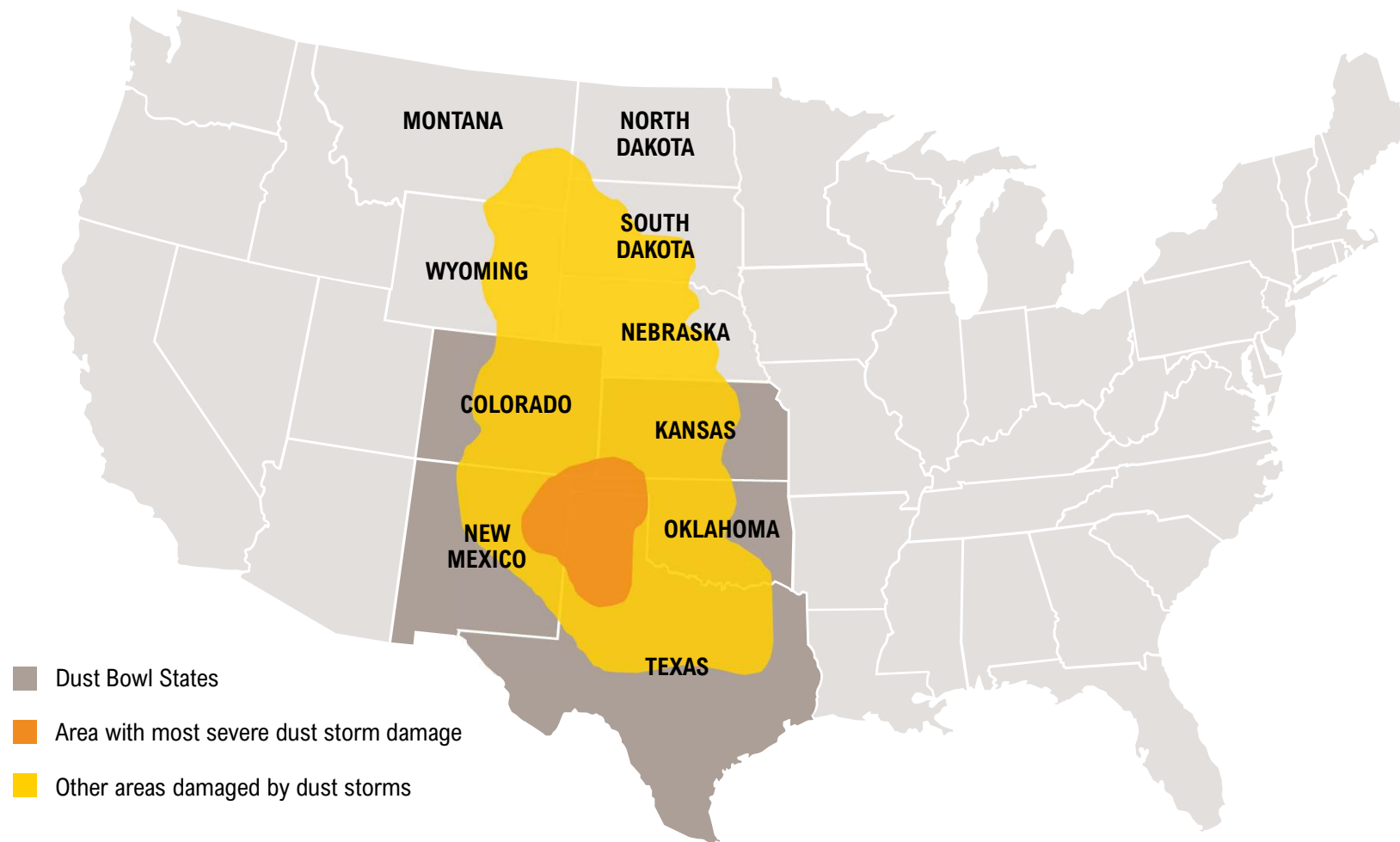
Source: Smithsonian Magazine



SSOY



# Dust Storm Damage 1930 – 1940



Sources: NAAE's Communities of Practice, History.com, Smithsonianmag.com NRCS, 1930spoliticsandconomics.weebly.com









# U.S. Soy Sustainability Efforts

Mapped to the U.N. Sustainable Development Goals (SDGs)

 SOY





# SUSTAINABLE DEVELOPMENT GOALS





# SDGs Mapping Identified Priority Opportunities for U.S. Soy





# Material Aspects of U.S. Soy



## ENVIRONMENT

- Greenhouse Gas Emissions\*
- Energy Management\*
- Water Management
- Soil Health\*
- Land Use\*
- Biodiversity
- Deforestation



## SOCIAL

- Labor Practices and Safe Working Conditions
- Human Rights
- Society
- Product Safety, Quality and Nutrition
- Investment in Global Agricultural Development



## ECONOMIC

- Market Presence
- Economic Performance (Direct)
- Indirect Economic Performance





# Carbon Footprint

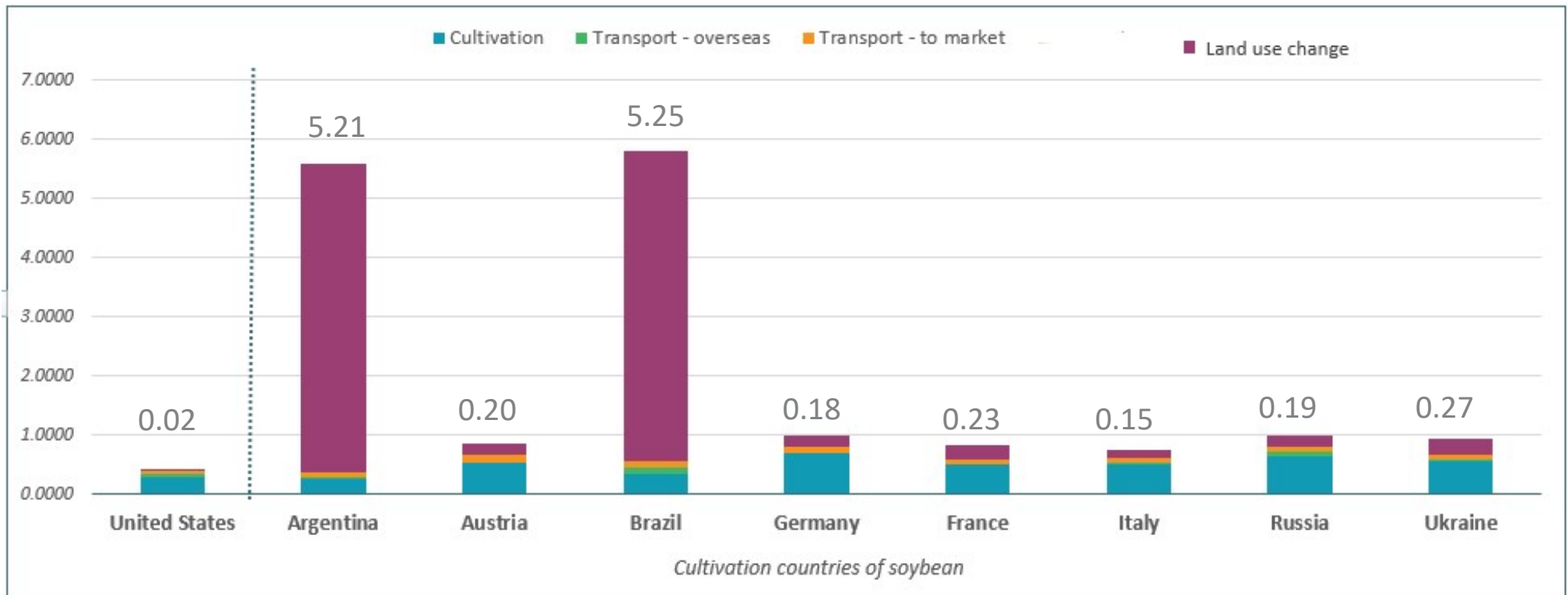
Understanding the Impact of U.S. Soy

 SOY



# Carbon footprint of US soy

Carbon footprint (including LUC) of soybean for Japan market (kg CO<sub>2</sub>-eq/kg soybean)



Calculations are country averages.  
Specific supply chains may have  
different carbon footprint results.





# U.S. SSAP

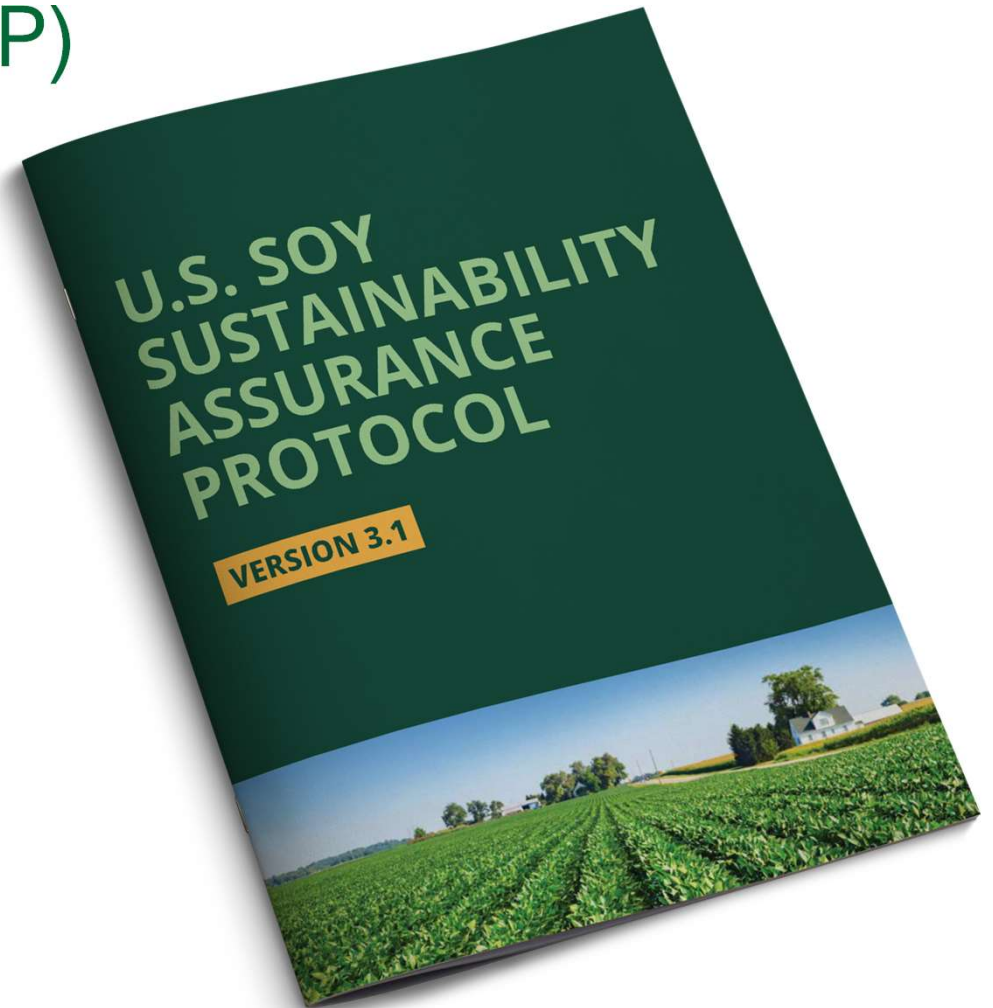
U.S. Soy Sustainability Assurance Protocol

 **SOY**



# U.S. Soy Sustainability Assurance Protocol (SSAP)

- Scheme designed to meet sourcing guidelines in international market
  - Four Directives
- Aggregate/mass balance
- 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

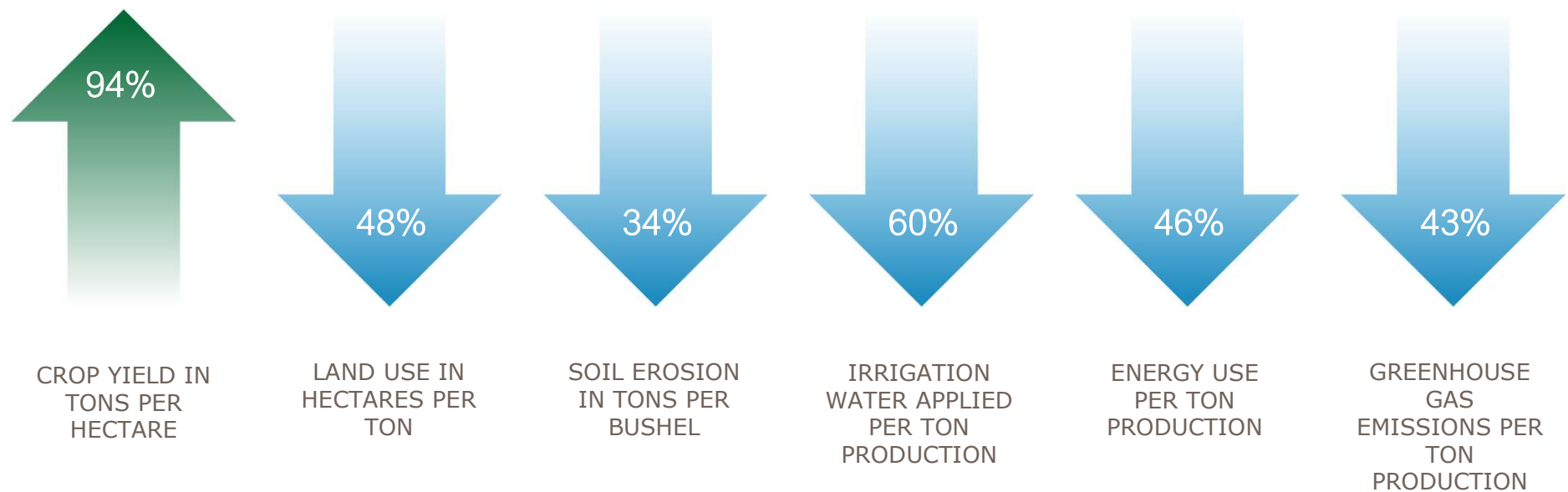
EPA, EEO, OSHA

### 4. Continuous Improvement

CRP, Conservation programs, training and info sharing



# 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





# SSAP Usage

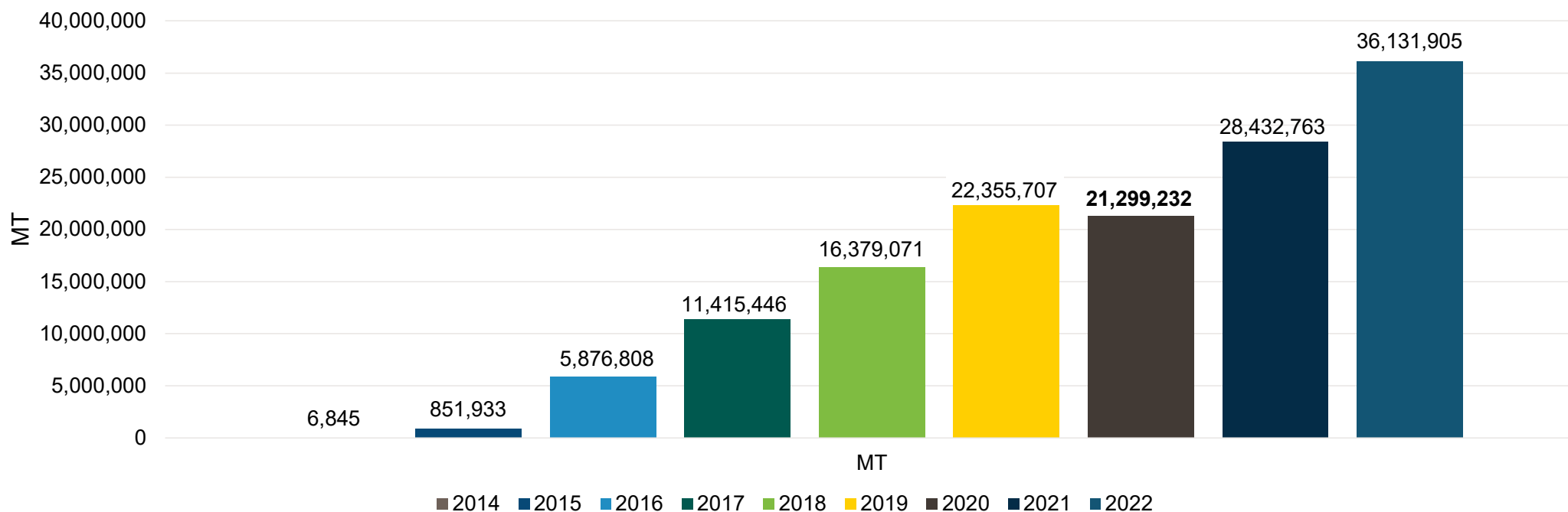
Customers Embracing U.S. Soy Sustainability Verification

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# Verified Sustainable U.S. Shipments for Marketing years 2014-2022

MY2014-MY2022





## U.S. Soy Products verified sustainable Marketing Year 2022 by Region (as a % of Total Exports)

Region	MY22 Exports (6/23/2022)	Verified Sustainable Exports (MTs) (6/23/2022)	Percent
Americas	11,619,543	6,328,231	54%
EU	5,168,141	4,044,779	78%
Greater China	29,928,163	19,094,860	64%
MENA	5,688,746	564,583	10%
Northeast Asia	2,742,416	2,439,340	89%
South Asia	1,134,224	375,079	33%
Southeast Asia	5,021,929	3,285,033	65%
Sub-Saharan Africa	510	0	0%
TOTAL	61,303,672	36,131,905	59%





# Leveraging the SSAP

Recognized throughout the Industry

SSSOY



# SUSTAINABLE U.S. SOY™



- U.S. Trademark approved
- In use in:
  - Belize
  - China
  - Colombia
  - Costa Rica
  - Dominican Republic
  - Ecuador
  - El Salvador
  - Guatemala
  - Japan
  - Mexico
  - Panama
  - Philippines
  - Taiwan
  - Vietnam
- Can be used to differentiate U.S. Soy, examples can include bags, totes, labels, etc.



# Key Achievements for SSAP



Silver Equivalency







Round Table on  
Responsible Soy  
Association - RTRS



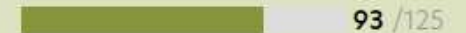
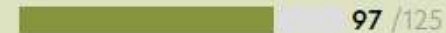
U.S. Soy Sustainability  
Assurance Protocol



ProTerra Europe



Environment ▾



Social ▾



Management ▾



Quality ▾



Ethics ▾



<https://legacy.standardsmap.sustainable-trade.org/fefac?q=eyJzZWxIY3RIZENsaWVudCI6IkZFRkFDIn0%3D>



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