2015 U.S. ETHANOL EXPORTS AND IMPORTS

STATISTICAL SUMMARY

RFA RENEWABLE FUELS ASSOCIATION

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2015 U.S. ETHANOL EXPORTS

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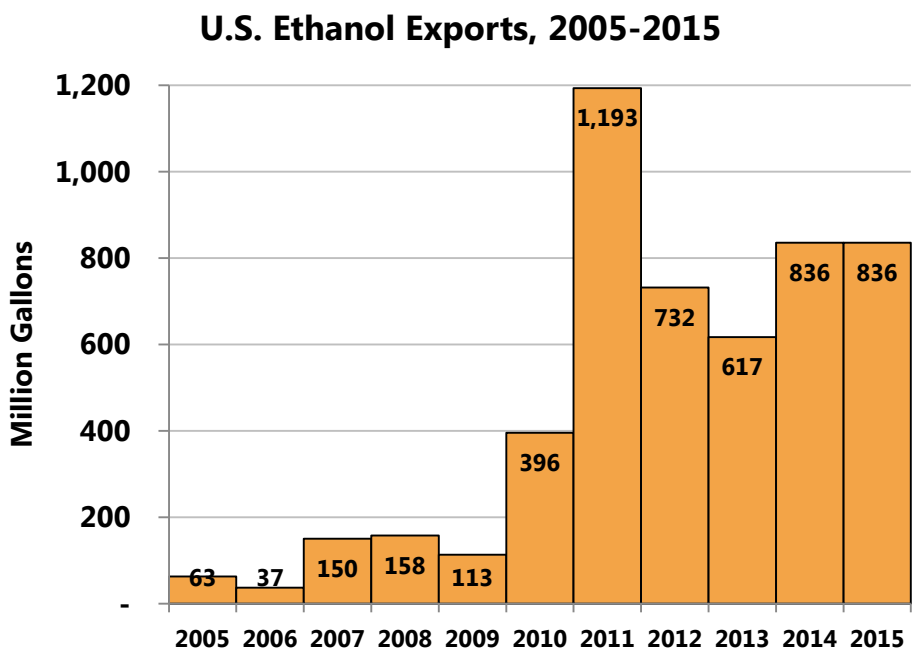
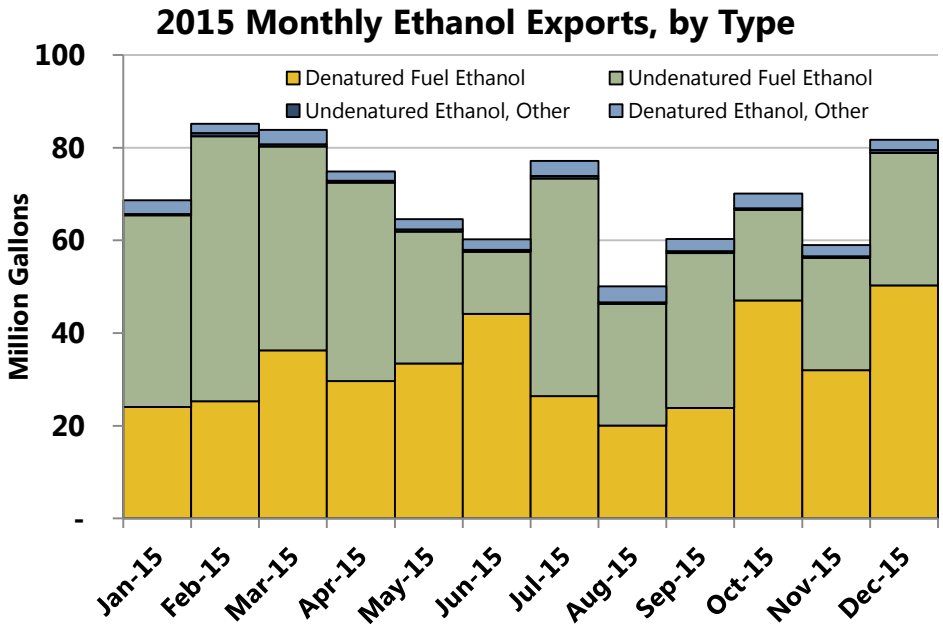


In 2015, the U.S. exported **836 million gallons** of ethanol—identical to 2014's volume and tied for the second-highest annual total on record. In 2015, American-made ethanol was exported to **76 countries** on all six inhabited continents around the world.

Denatured ethanol for fuel use accounted for **47%** of total exports in the year 2015, while undenatured ethanol for fuel use made up **48.5%**. Denatured and undenatured ethanol for other industrial uses totaled **4.5%**.



Sources: U.S. Census Bureau, Department of Commerce, and Department of Agriculture

2015 U.S. ETHANOL EXPORTS

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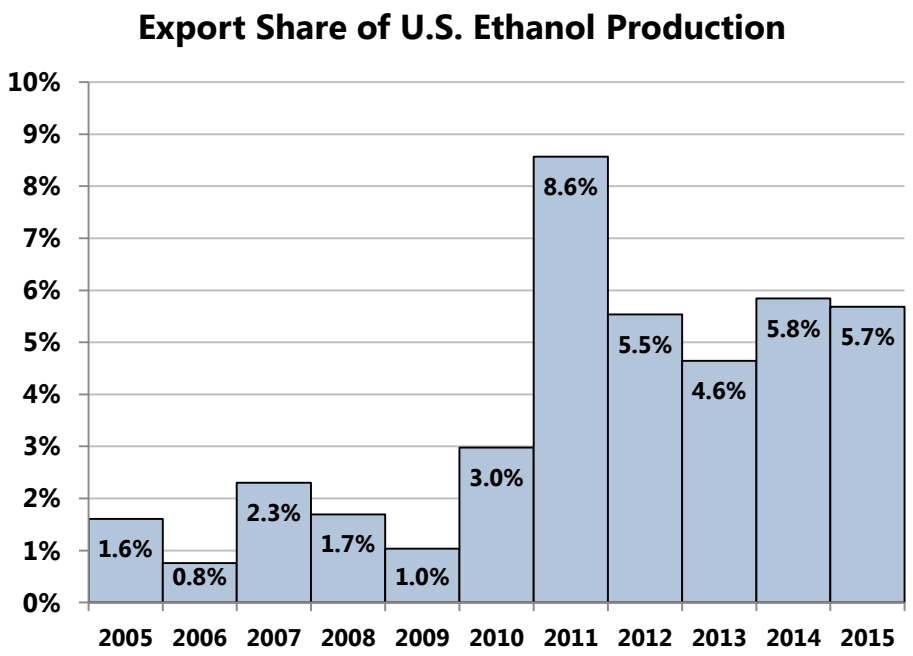
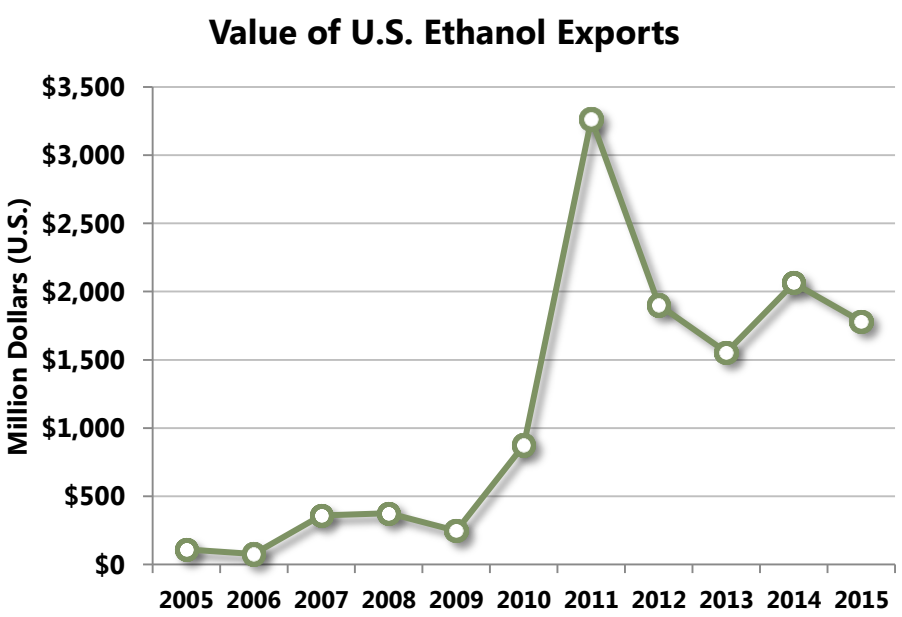
An estimated **5.7%** of total U.S. ethanol production was exported in 2015, the third-highest share in history. Exports accounted for almost 9% of total production in the record export year of 2011.





U.S. ethanol exports were valued at **$1.78 billion** in 2015, down **14%** from 2014 but still the fourth-highest on record.

Sources: U.S. Census Bureau, Department of Commerce, and Department of Agriculture

2015 ETHANOL EXPORTS: TOP MARKETS

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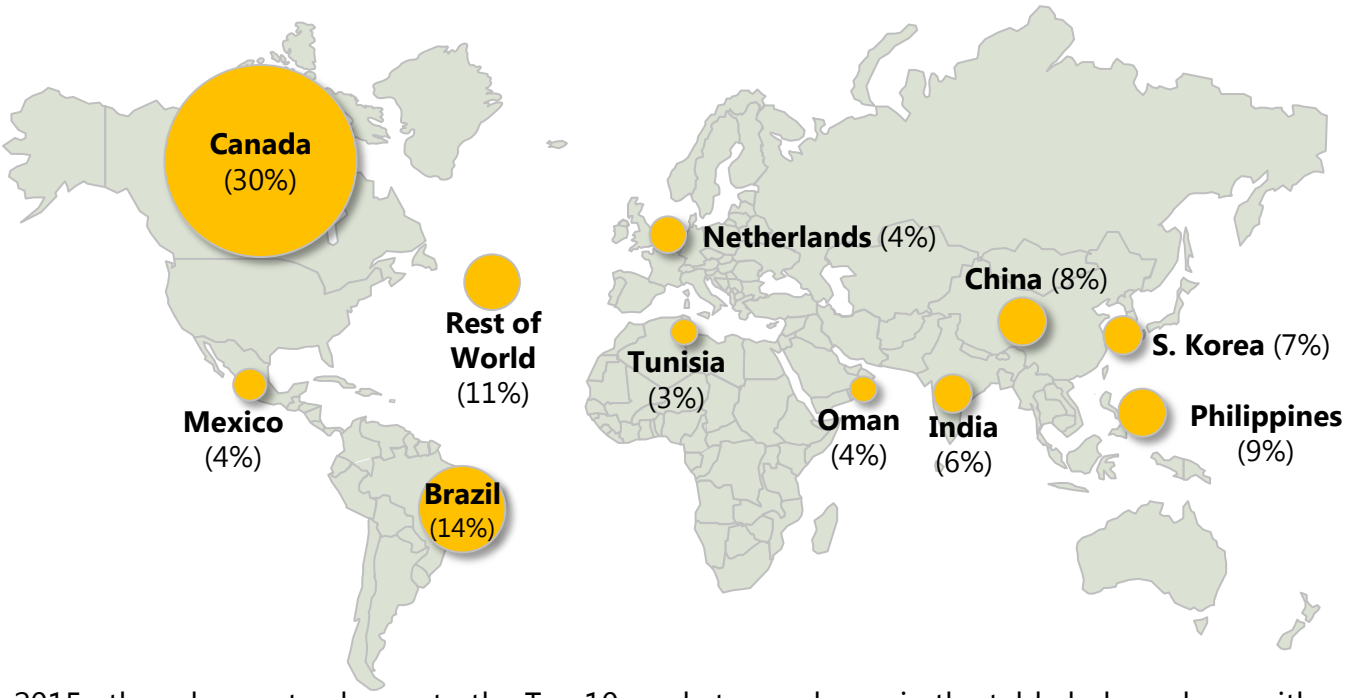
Top markets for U.S. ethanol exports in 2015



2015 ethanol export volumes to the Top 10 markets are shown in the table below, along with a comparison to 2014 volumes. All figures shown in millions of gallons, unless otherwise noted.

Country	Den. Fuel	Und. Fuel	Den. Other	Und. Other	2015 Total	2014 Total	Change
Canada	220.9	0.0	28.1	0.1	**249.2**	**335.9**	**-35%**
Brazil	0.9	115.4	0.0	0.0	**116.4**	**112.2**	**4%**
Philippines	3.3	68.1	0.0	0.1	**71.5**	**67.6**	**5%**
China	54.0	16.5	0.0	0.0	**70.5**	**3.3**	**95%**
S. Korea	2.2	55.4	1.2	0.8	**59.6**	**36.0**	**40%**
India	0.1	46.7	0.0	0.2	**47.0**	**41.6**	**11%**
Netherlands	21.1	12.7	0.2	0.0	**34.0**	**24.0**	**29%**
Mexico	0.1	30.6	1.0	2.0	**33.7**	**30.4**	**10%**
Oman	32.8	0.0	0.0	0.0	**32.8**	**0.0**	**--**
Tunisia	13.3	12.6	0.0	0.0	**25.9**	**21.0**	**19%**

Sources: U.S. Census Bureau, Department of Commerce, and Department of Agriculture

U.S. ETHANOL EXPORTS: SHIFTING MARKETS

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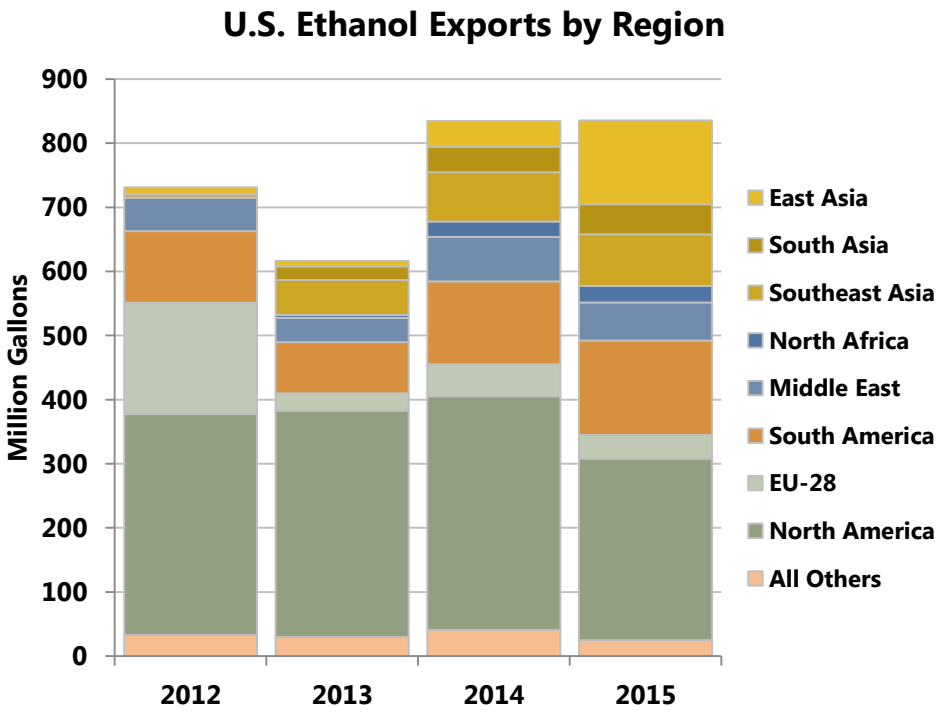
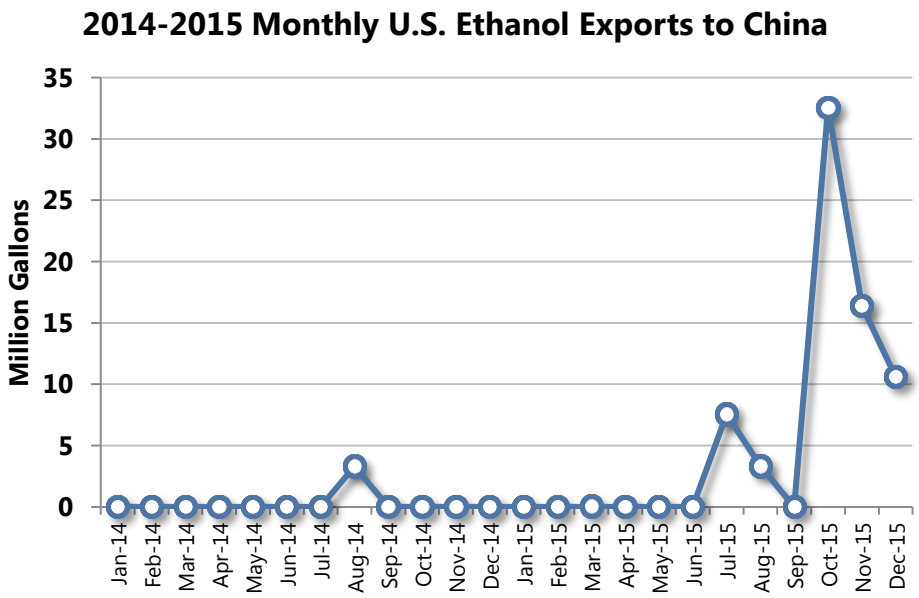
Exports to the EU 28 have dropped substantially since 2012 due to the imposition of a punitive tariff against U.S. ethanol. Meanwhile, however, exports to Asia have surged **1,515%** since 2012, and exports to the Middle East and North Africa have grown **63%**.





Large volumes of U.S. fuel ethanol were exported to China for the first time in 2015. After importing just 3.3 million gallons in 2014, China brought in **70.5 million gallons** in 2015. This made China the fourth-largest market for U.S. ethanol in 2015.

Sources: U.S. Census Bureau, Department of Commerce, and Department of Agriculture

2015 U.S. ETHANOL IMPORTS

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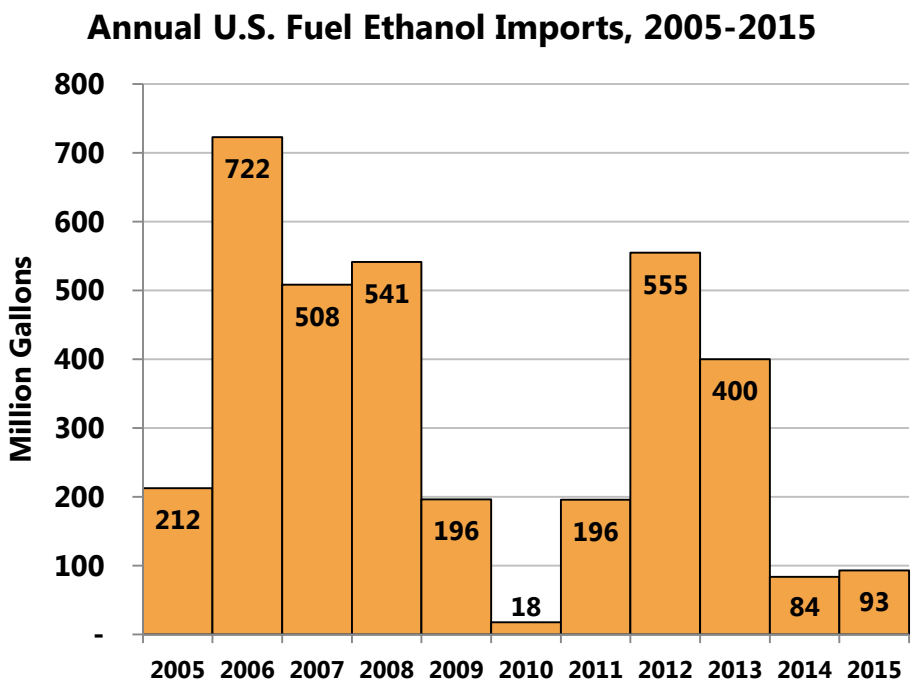
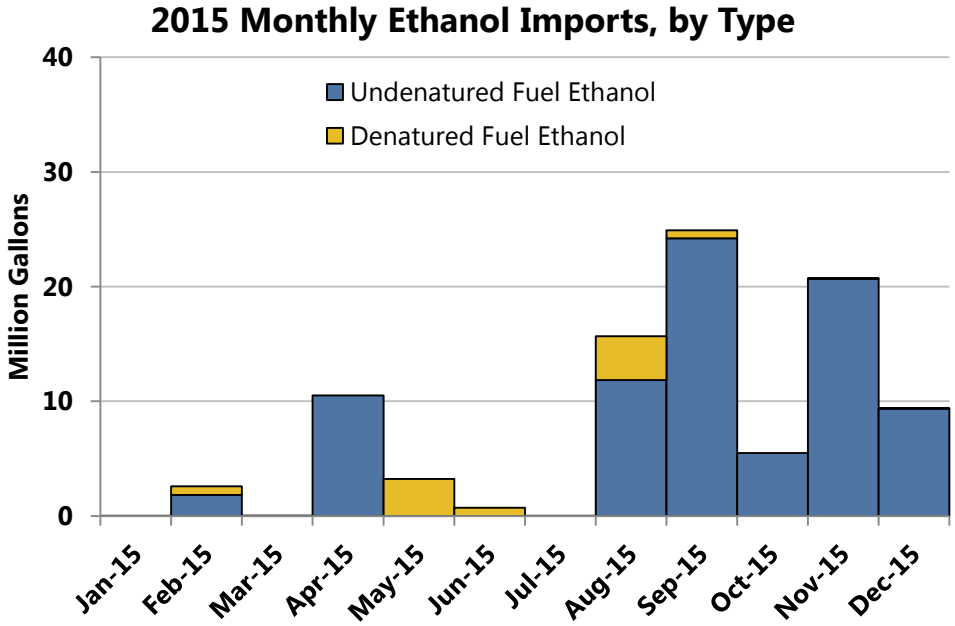


In 2015, the U.S. imported **93 million gallons** of fuel ethanol—up **10%** from 2014 but the third-lowest annual total in the past decade. U.S. ethanol imports in 2015 were equivalent to just **11%** of ethanol exports.

Undenatured ethanol for fuel use accounted for **91%** of total imports in 2015, while denatured ethanol for fuel use made up the remaining **9%**. Most imports (82%) in 2015 occurred in the last five months of the year.



Sources: U.S. Census Bureau, Department of Commerce, and Department of Agriculture

2015 U.S. ETHANOL IMPORTS

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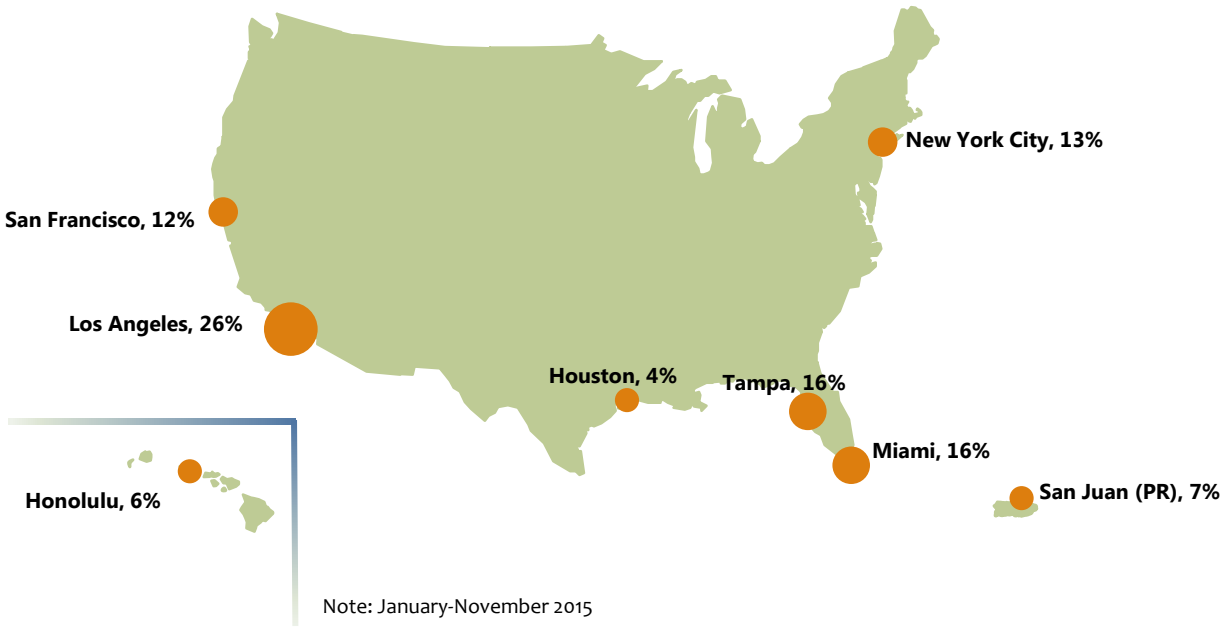
Top Suppliers of U.S. Ethanol Imports

Country	2015 Total	2014 Total
Brazil	85.4	60.8
Netherlands	3.2	6.0
Spain	1.9	2.2
Guatemala	1.8	10.1
All Others	0.9	4.8
TOTAL	**93.2**	**83.9**

Brazil was the leading source of U.S. ethanol imports in 2015. Top suppliers of U.S. fuel ethanol imports are shown in the table at left, along with a comparison to 2014 volumes. All figures shown in millions of gallons.

Top Ports of Entry for 2015 U.S. Ethanol Imports



Note: January-November 2015

Sources: U.S. Census Bureau, Department of Commerce, Department of Agriculture, and U.S. International Trade Commission

IMPORTS RELATIVE TO USE & NET EXPORTS

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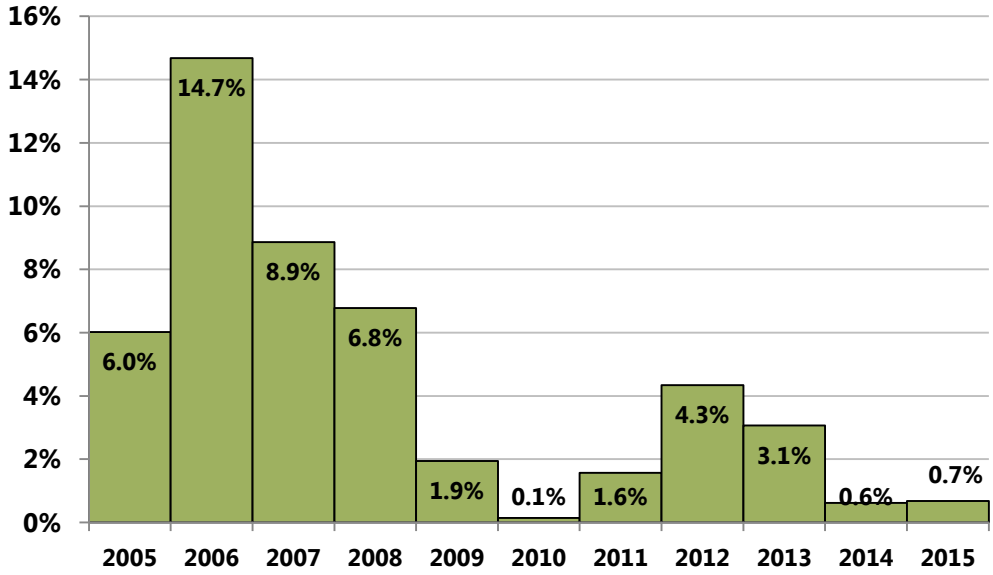
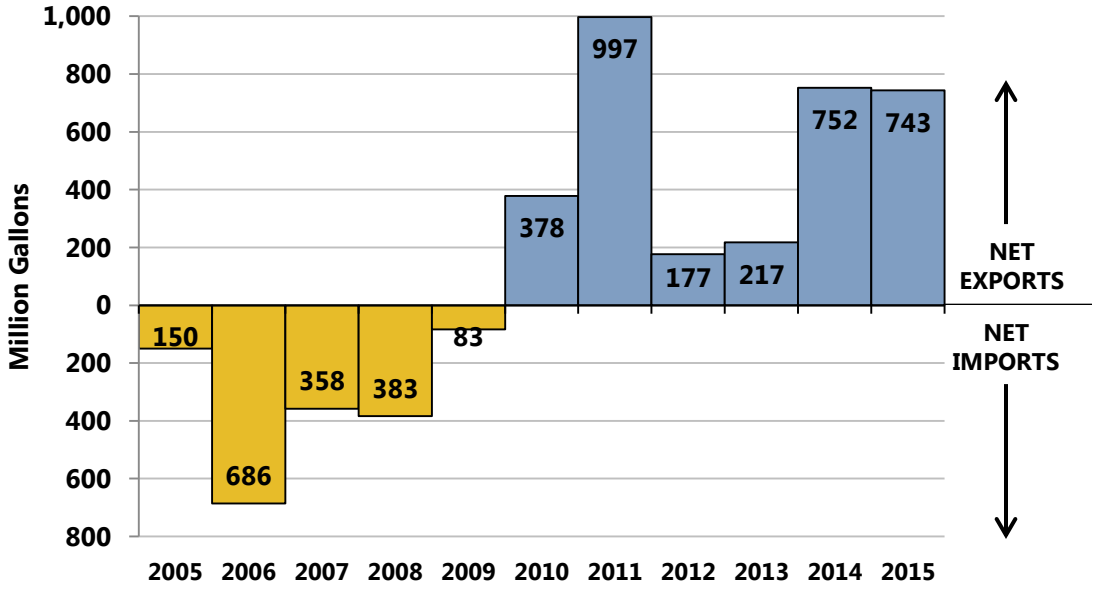
U.S. Ethanol Imports: Share of Total U.S. Ethanol Consumption



Imports accounted for **less than 1%** of U.S. ethanol consumption in for the second year in a row. Ethanol import reliance is down dramatically from the 2005-2009 timeframe.

U.S. Net Ethanol Imports/Exports, 2005-2015

The U.S. extended its streak as a net exporter of ethanol to six years in 2015, with net exports reaching the third-highest level on record.



Sources: U.S. Census Bureau, Department of Commerce, Department of Agriculture, and U.S. Energy Information Administration

ABOUT THE DATA IN THIS REPORT

RENEWABLE FUELS ASSOCIATION

U.S. Ethanol Export Data

- The export data in this report includes exports classified under the following Harmonized Tariff Schedule (HTS) codes:
    - **2207200010**: Ethyl alcohol and other spirits, denatured, of any strength: For fuel use
    - **2207106010**: Undenatured ethyl alcohol of an alcoholic strength by volume of 80 percent vol. or higher: For non-beverage purposes: For fuel use
    - **2207200090**: Ethyl alcohol and other spirits, denatured, of any strength: Other
    - **2207106090**: Undenatured ethyl alcohol of an alcoholic strength by volume of 80 percent vol. or higher: For non-beverage purposes: Other
- 2207200090 and 2207106090 are included in this report because there is some anecdotal evidence that exports of ethanol intended for fuel use are sometimes mistakenly classified under these codes. In any case, ethanol classified under these codes represented less than 5% of the 2015 U.S. exports discussed in this report.

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Sources

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The Renewable Fuels Association publishes **monthly** summaries of export and import data for ethanol and distillers dried grains on its award-winning E-Blog.

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