

DIGITAL & TRENDS

# Biofuel industry in the U.S.

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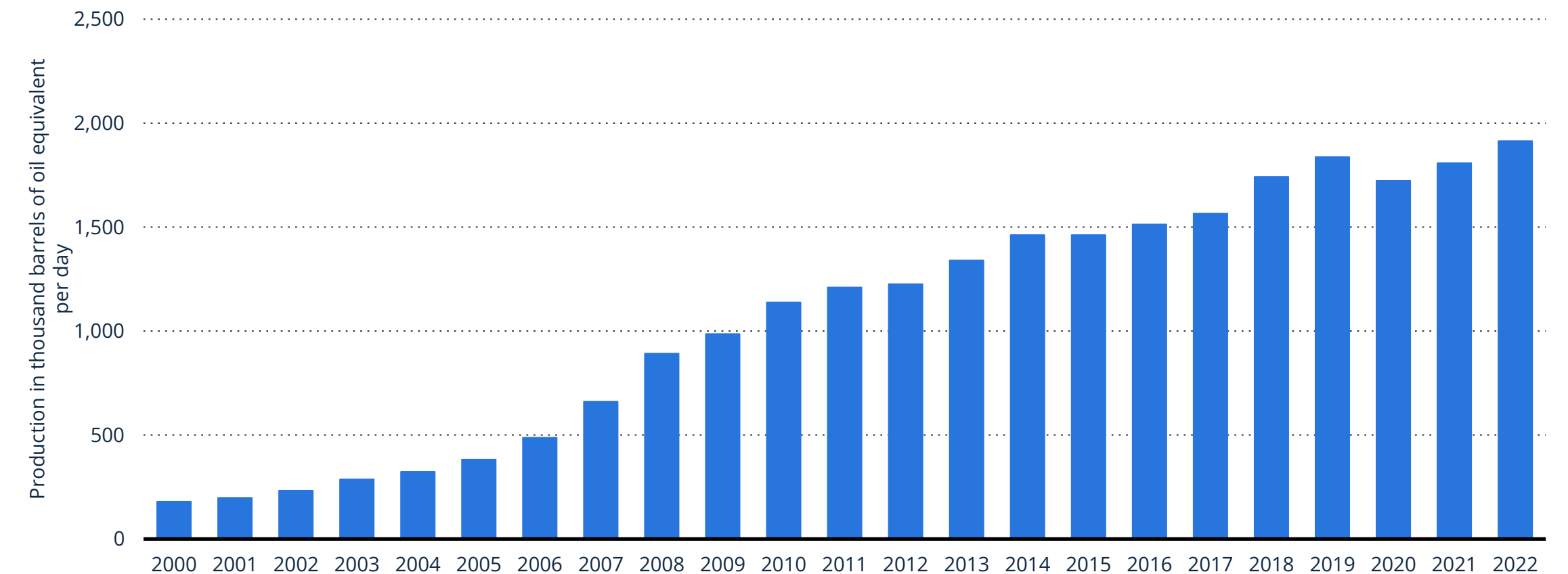
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CHAPTER 01

# Overview

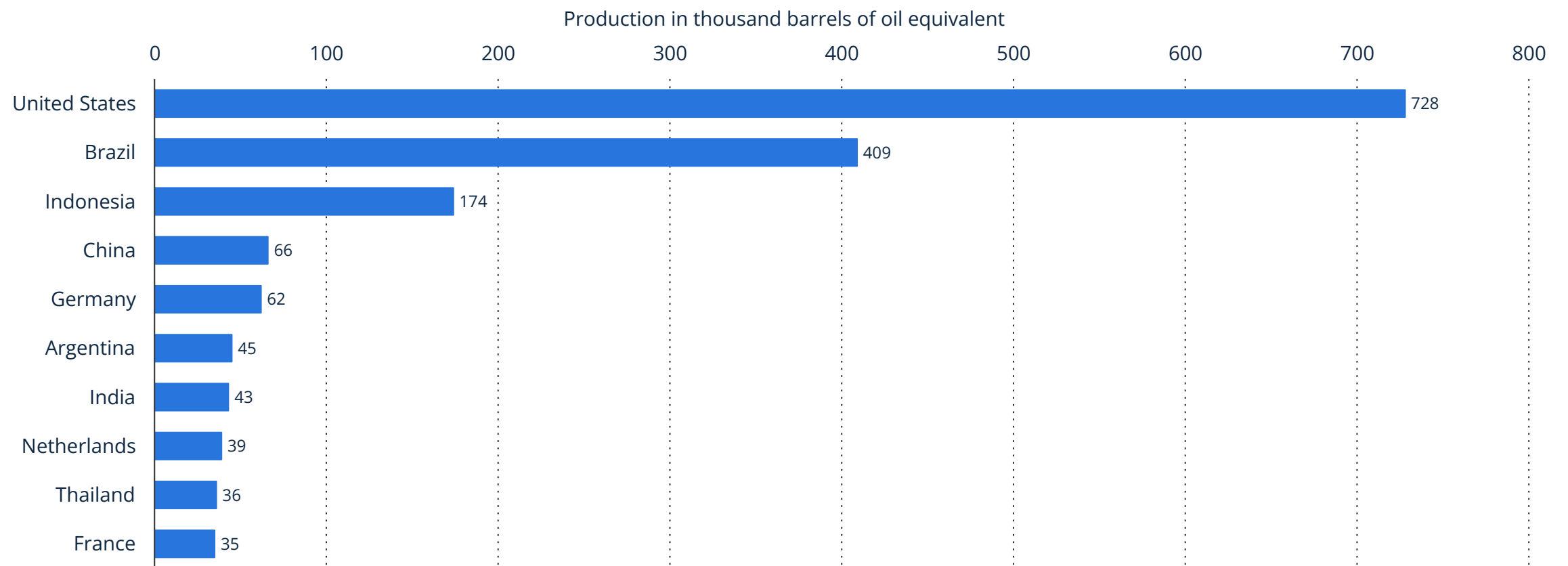
# Biofuel production worldwide from 2000 to 2022 (in 1,000 barrels of oil equivalent per day)

Global biofuel production 2000-2022



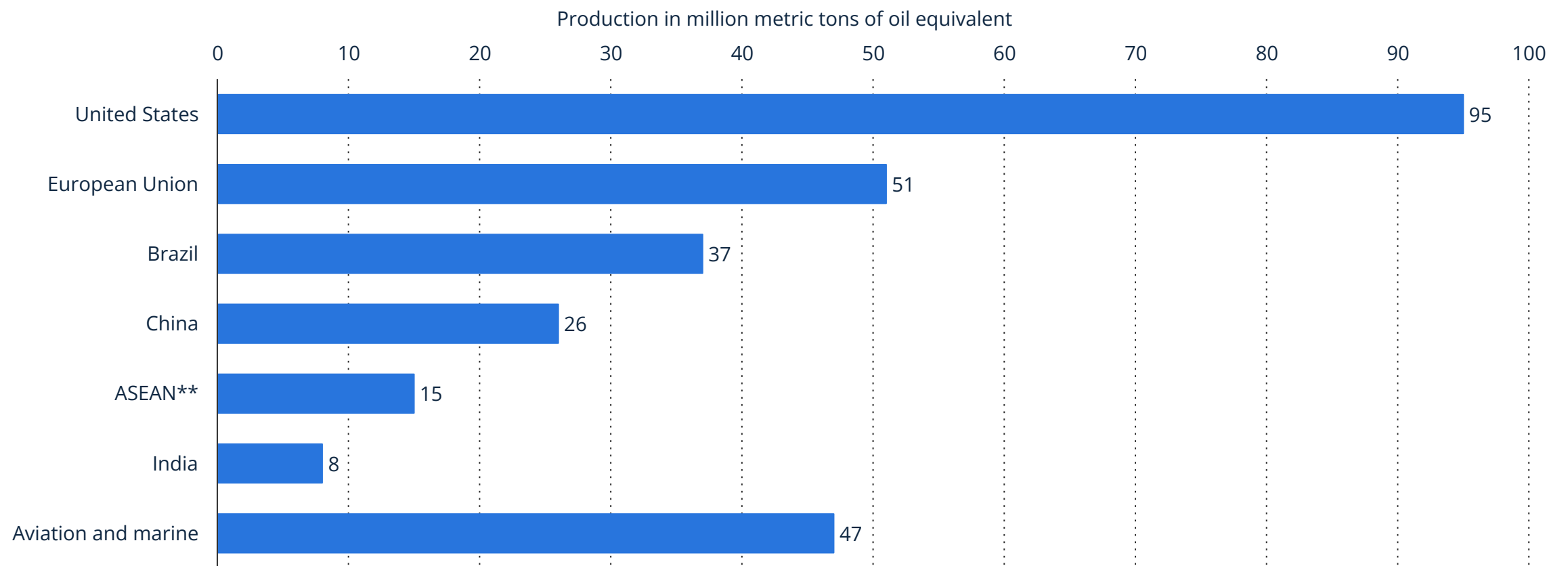
# Leading biofuel producing countries worldwide in 2022 (in 1,000 barrels of oil equivalent per day)

Global biofuels production 2022, by country



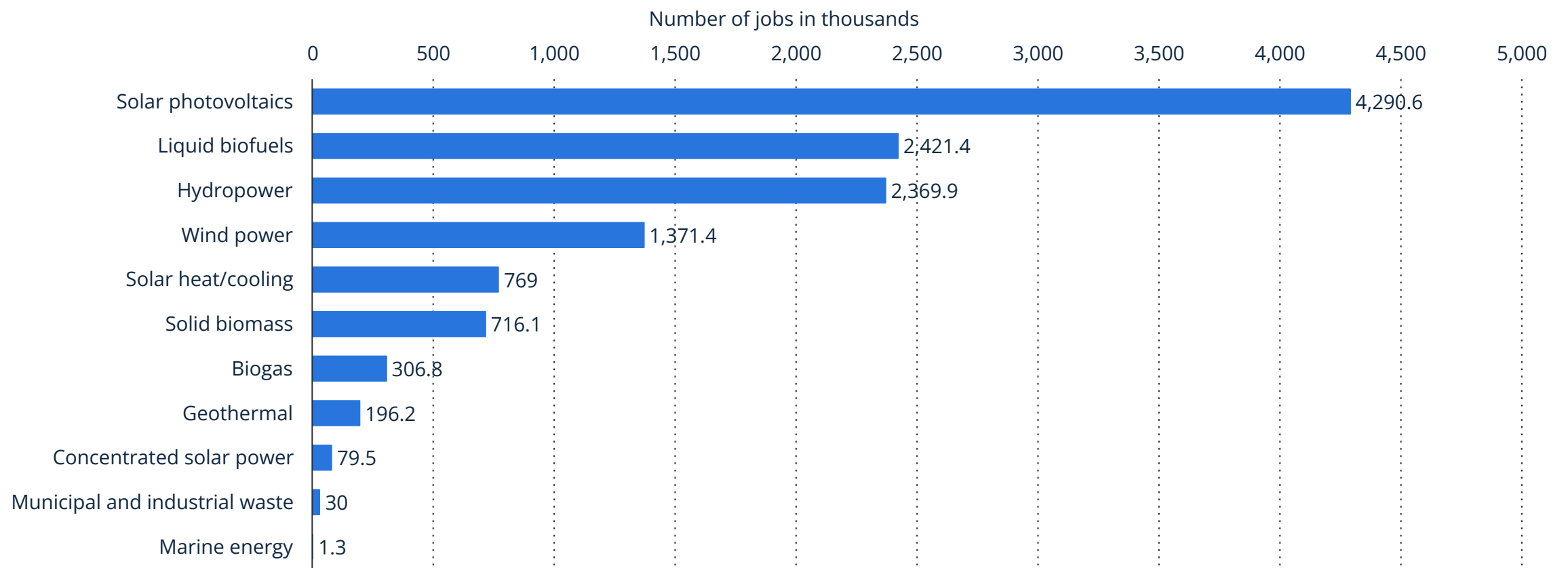
# Projected biofuel consumption worldwide in 2030 by country, region, or sector (in million metric tons of oil equivalent)\*

Global projected biofuel consumption volume by country 2030



# Number of renewable energy jobs worldwide in 2021, by technology (in 1,000s)

Global renewable energy sector jobs by technology 2021



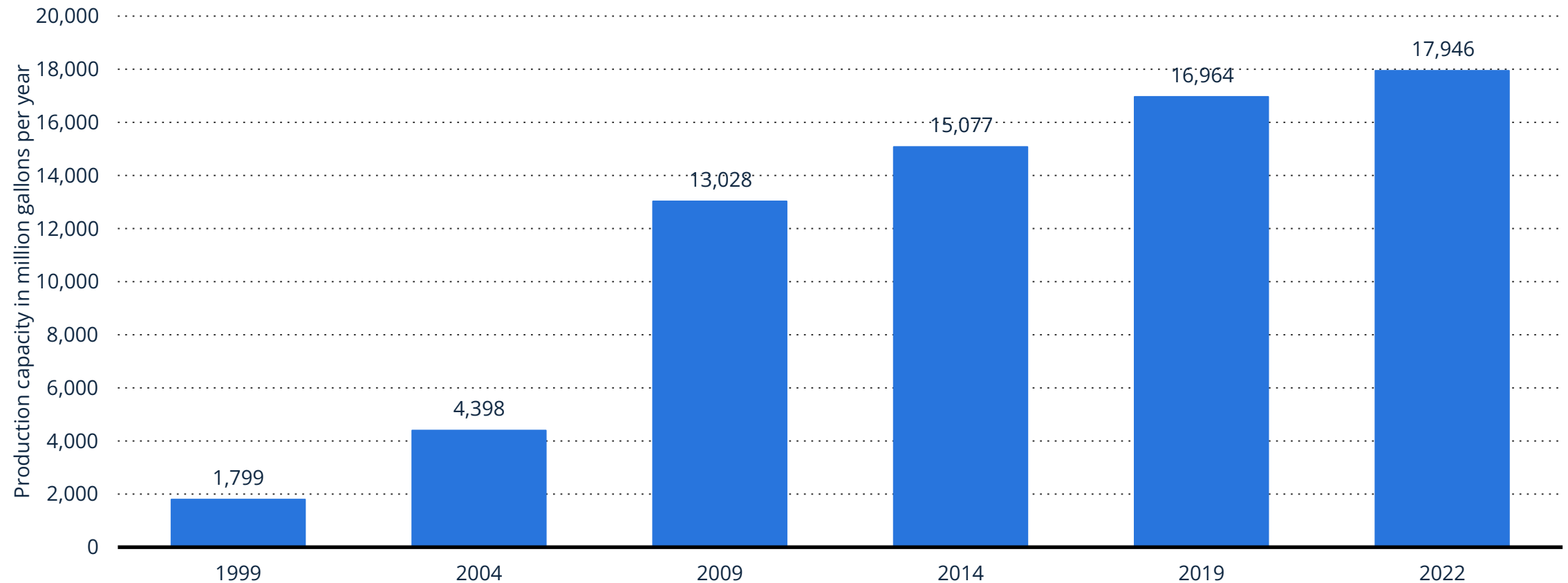
CHAPTER 02

# Capacity



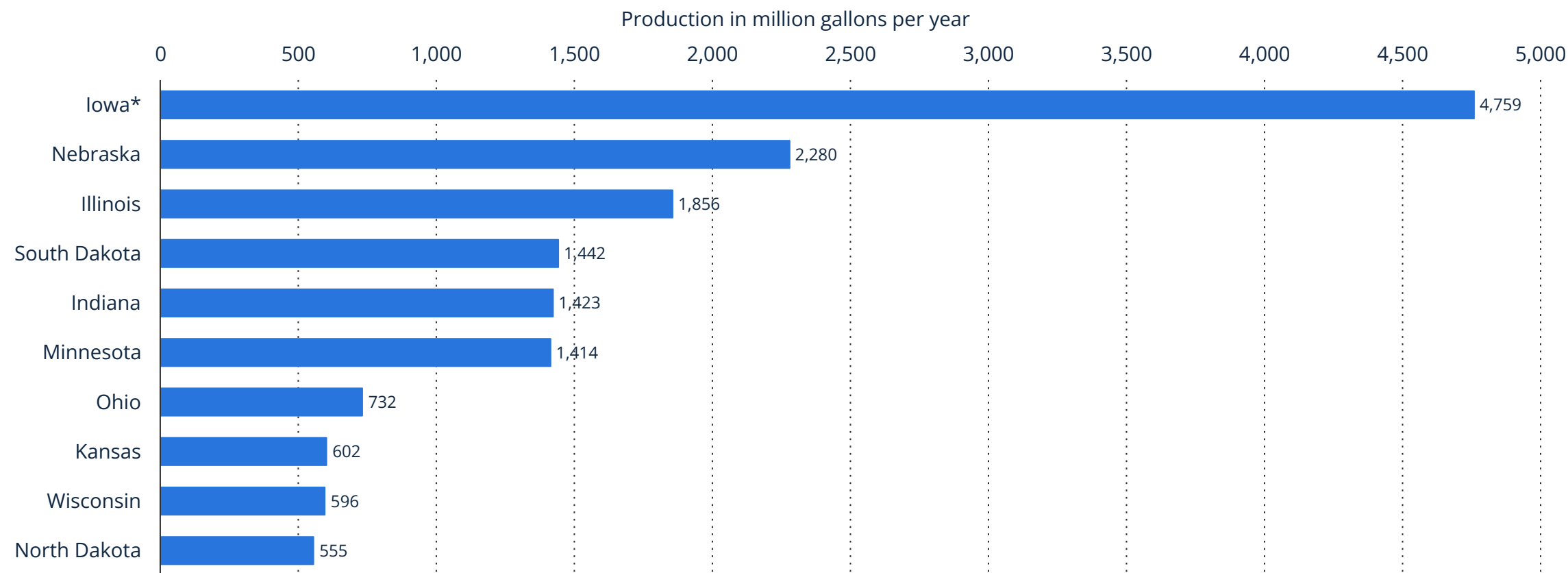
# Production capacity of installed ethanol biorefineries in the United States from 1999 to 2022 (in million gallons per year)

U.S. production capacity of installed ethanol biorefineries 1999-2022



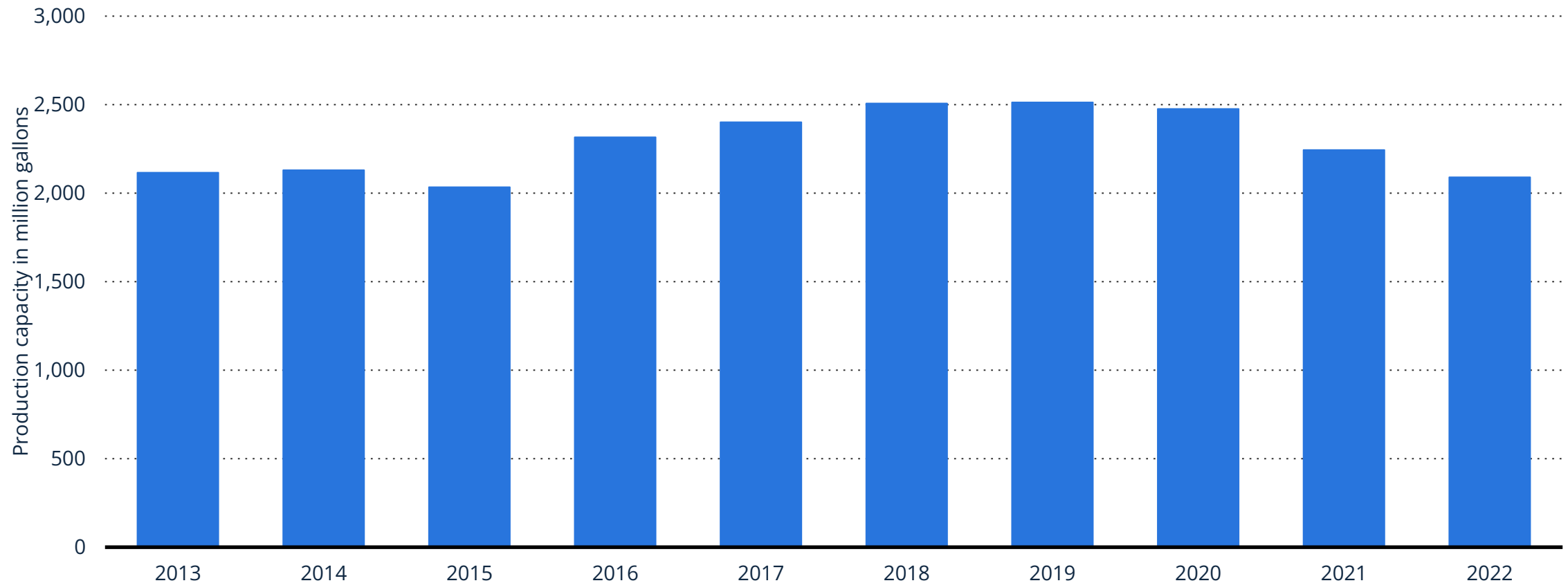
# Annual ethanol production capacity in the United States in 2022, by leading states (in million gallons per year)

Ethanol production capacity in the U.S. 2022 by key state



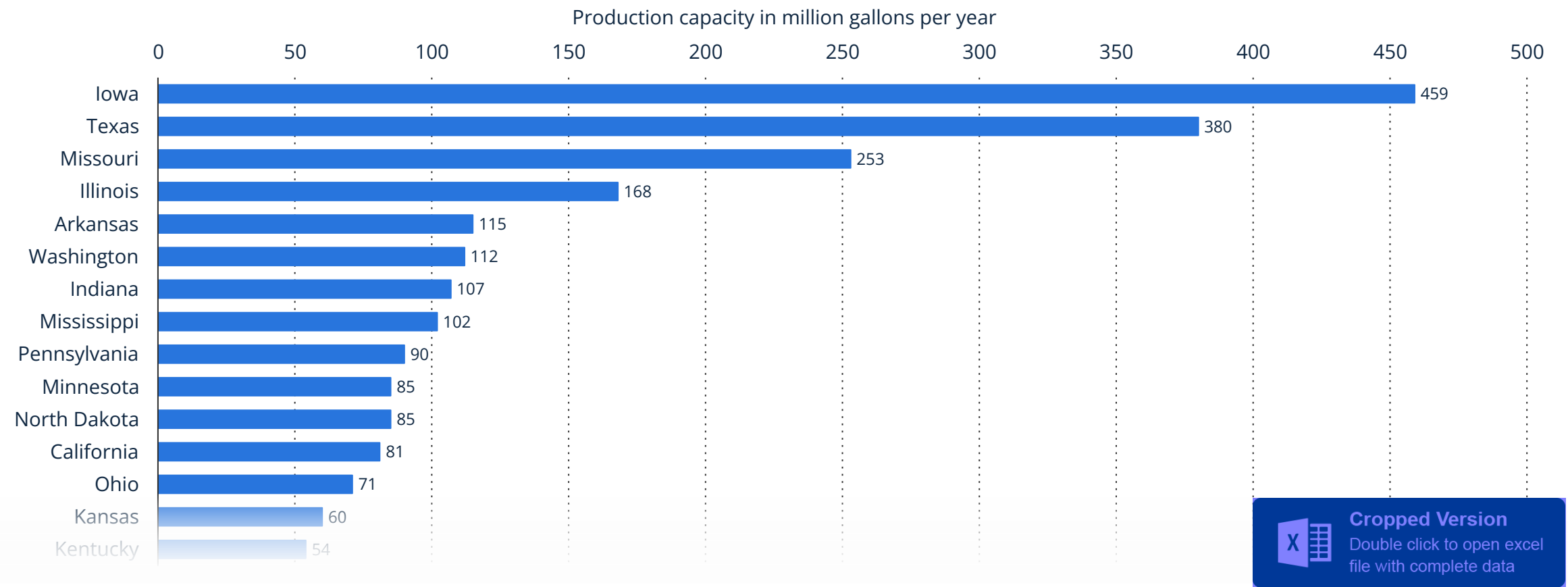
# Average biodiesel production capacity in the United States from 2013 to 2022 (in million gallons)

Biodiesel production capacity in the U.S. 2013-2022



# Annual biodiesel production capacity in the United States in 2020, by state\* (million gallons per year)

Biodiesel production capacity in the U.S. 2020, by key state

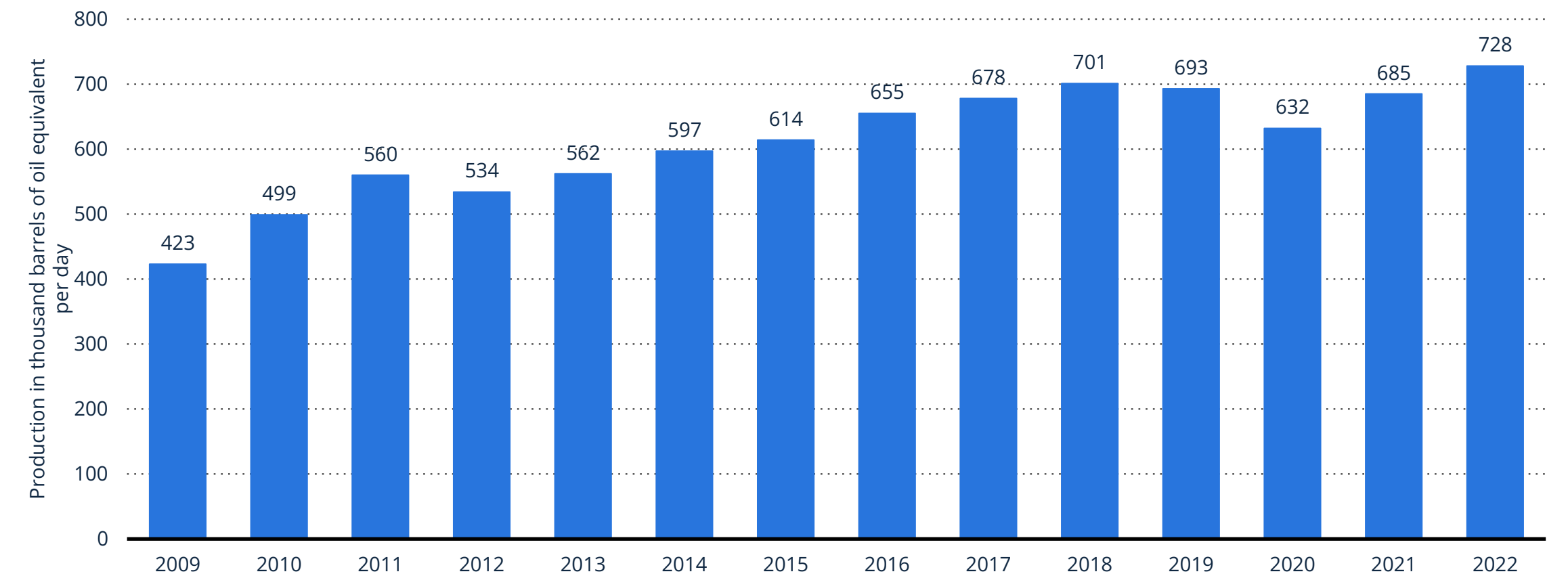


CHAPTER 03

# Production

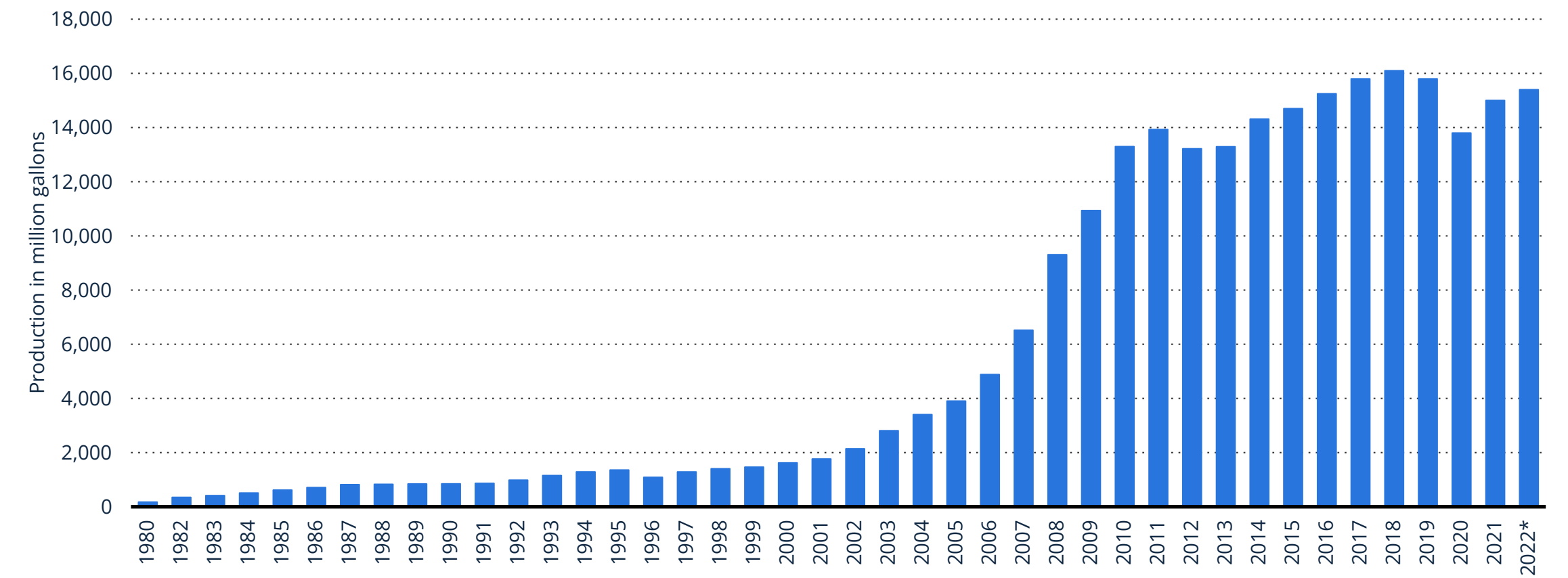
# Biofuel production in the United States from 2009 to 2022 (in 1,000 barrels of oil equivalent per day)

Biofuel production in the U.S. 2009-2022



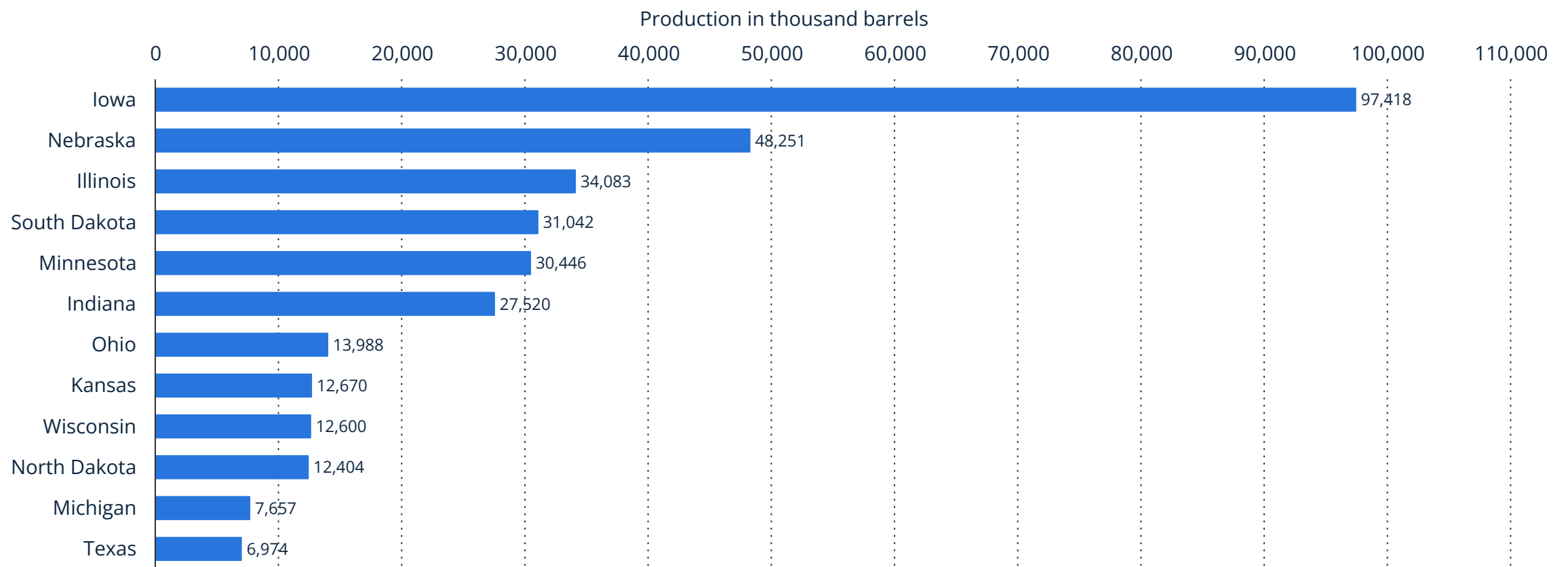
# Production volume of fuel ethanol in the United States from 1980 to 2022 (in million gallons)

Fuel ethanol production in the U.S. 1980-2022



# Leading fuel ethanol producing states in the United States in 2021 (in 1,000 barrels)

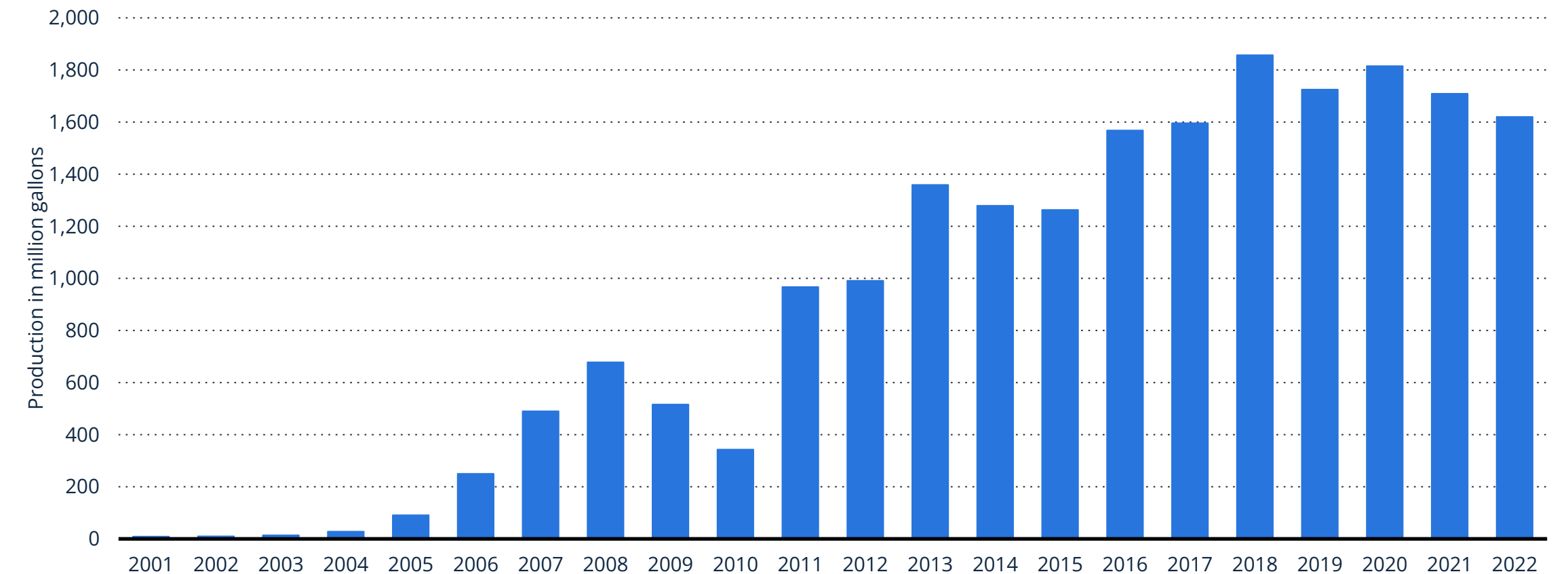
Fuel ethanol production in the U.S. 2021, by state





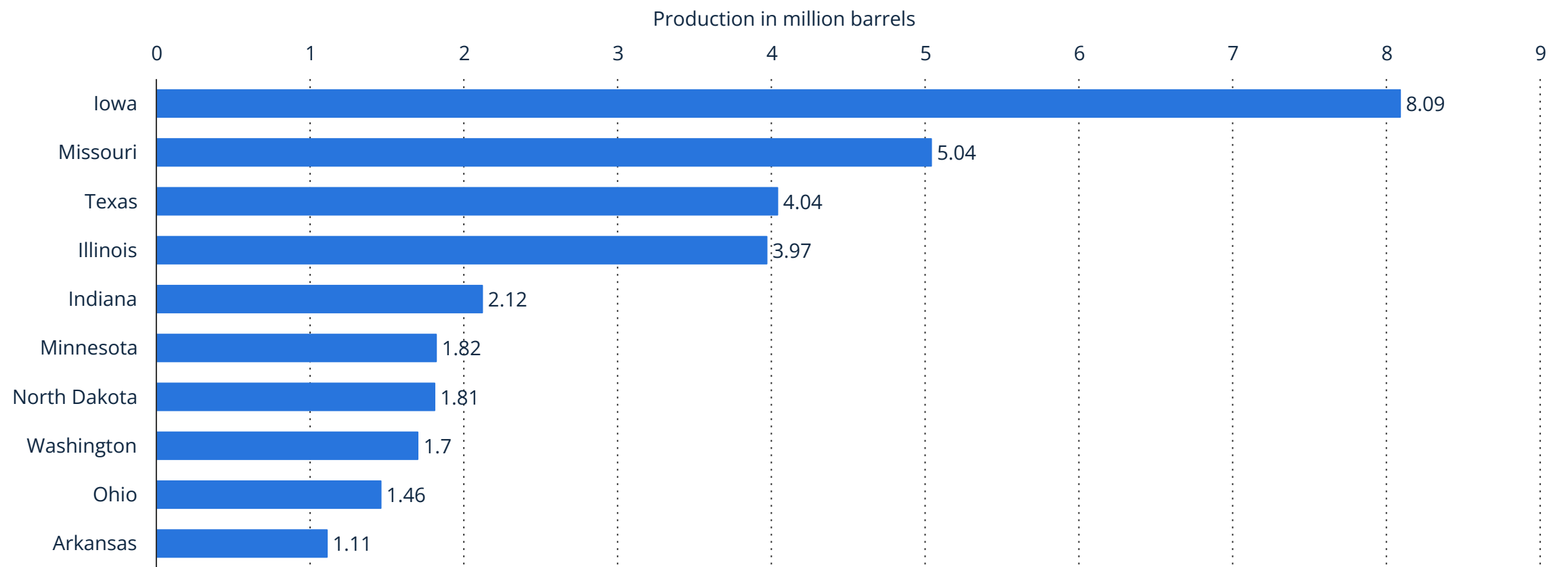
# Production volume of biodiesel in the United States from 2001 to 2022 (in million gallons)

Biodiesel production in the U.S. 2001-2022



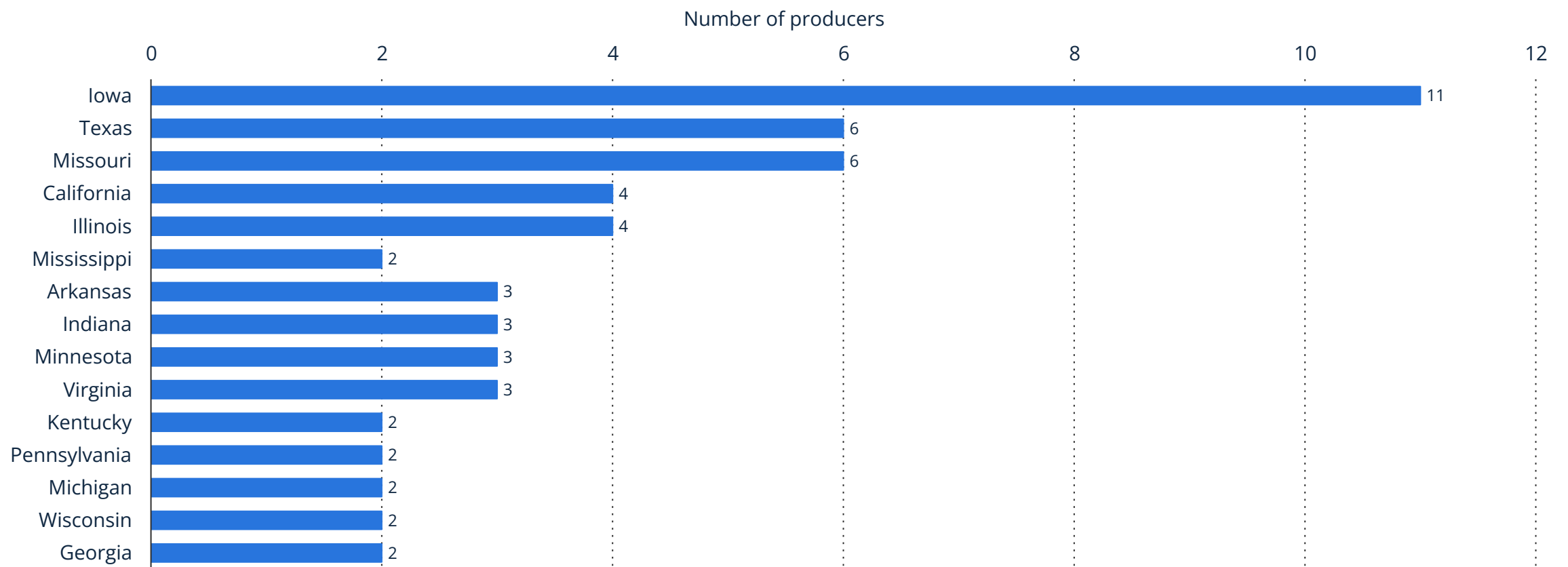
# Leading biodiesel producing states in the United States in 2021 (in million barrels)

Biodiesel production in the U.S. 2021, by key state



# Number of biodiesel producers in the United States in 2022, by key state

Biodiesel producers in the U.S. 2022, by key state

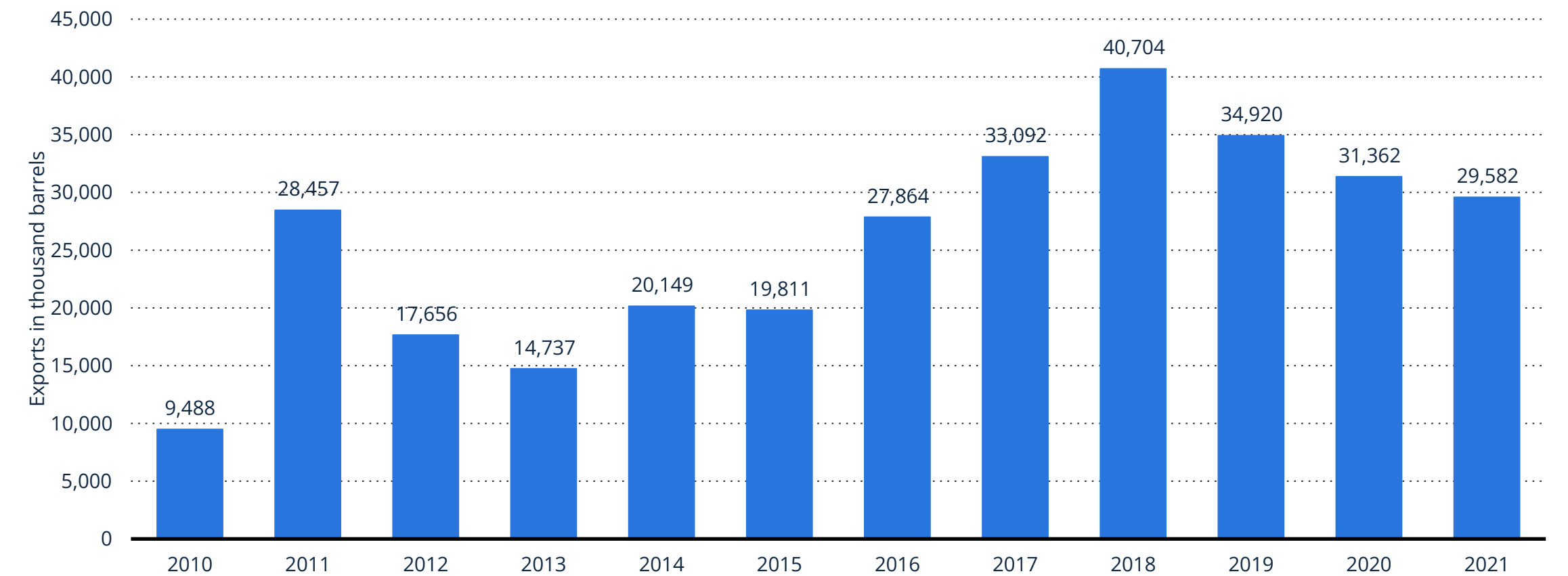


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# Trade & prices

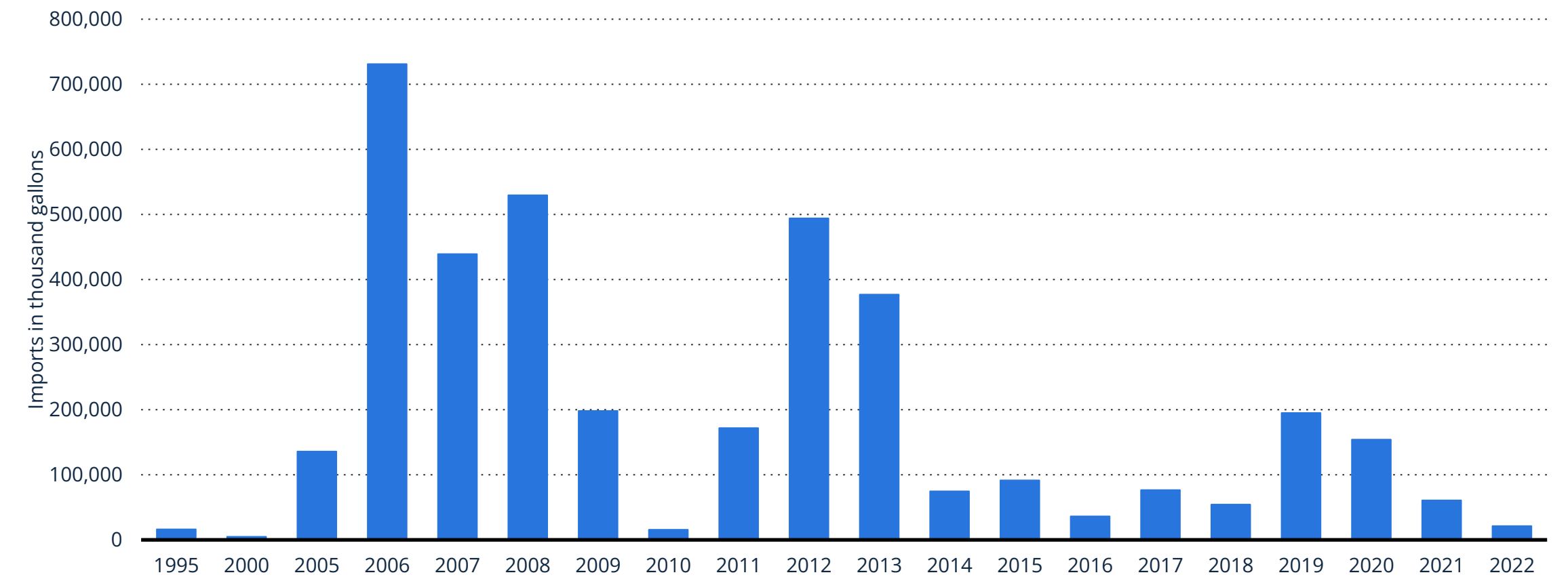
# Export volume of fuel ethanol from the United States from 2010 to 2021 (in 1,000 barrels)

Fuel ethanol exports in the U.S. 2010-2021



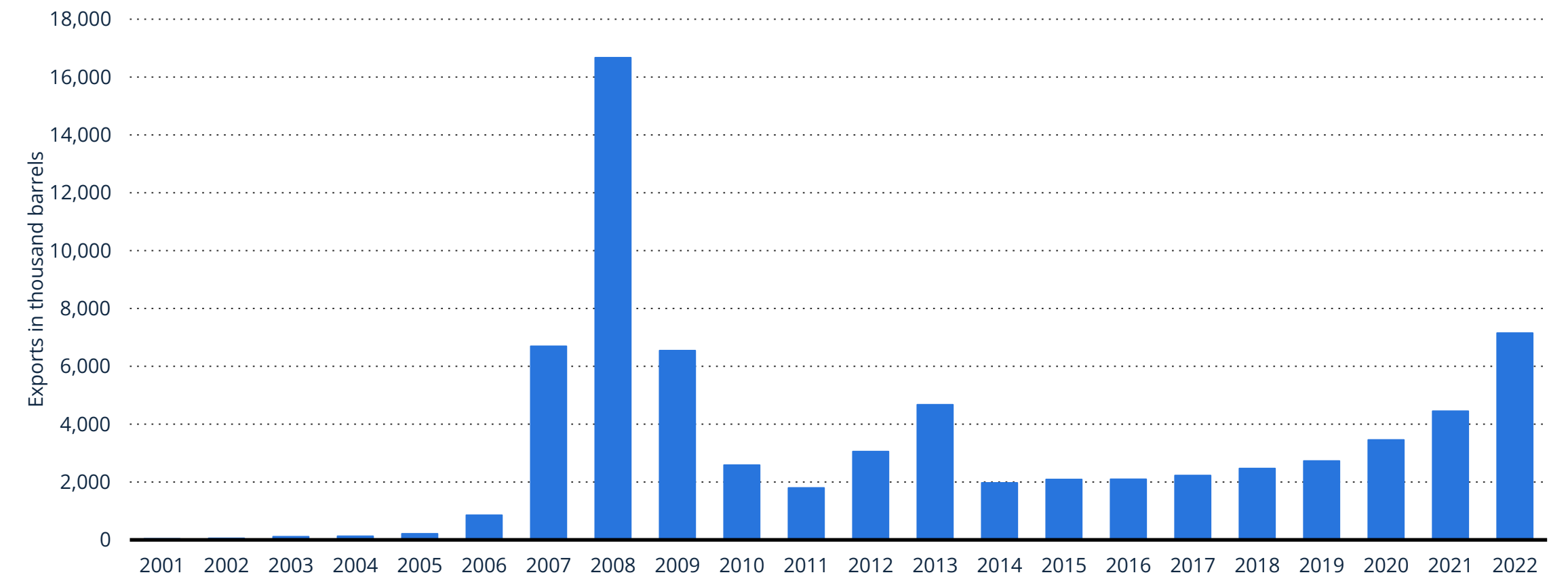
# Import volume of fuel ethanol into the United States from 1995 to 2022 (in 1,000 gallons)

Fuel ethanol imports in the U.S. 1995-2022



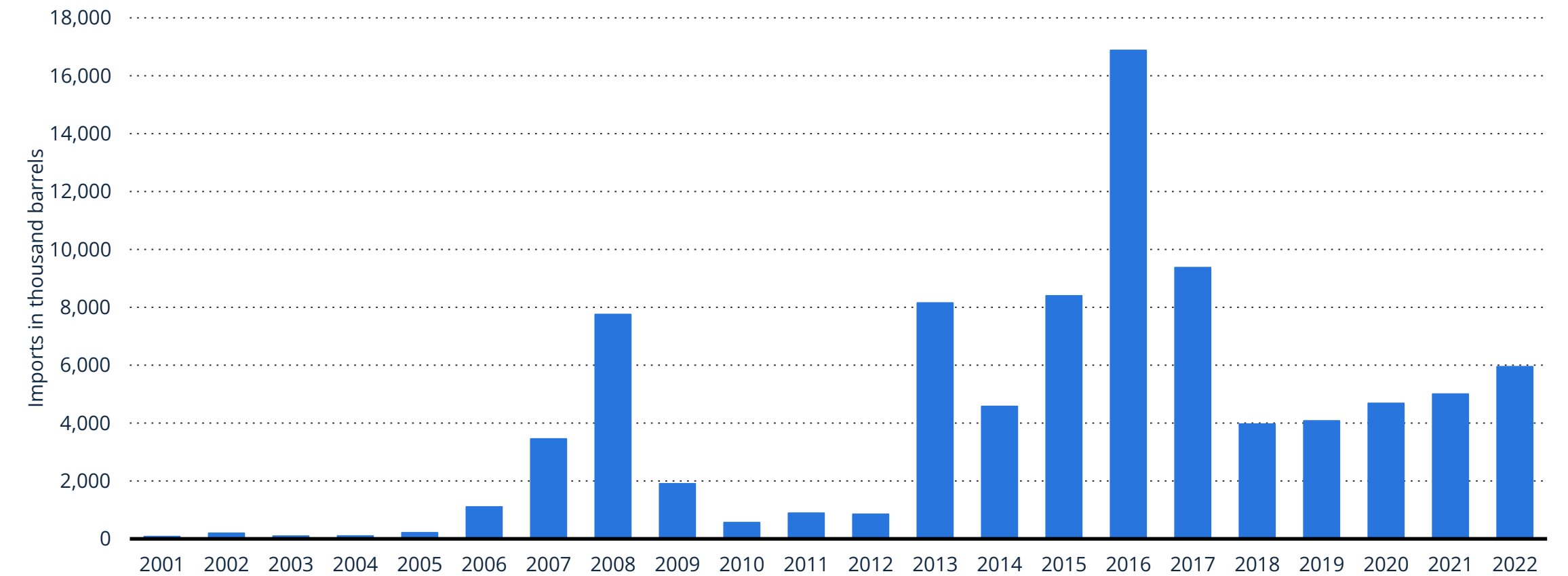
# Export volume of biodiesel from the United States from 2001 to 2022 (in 1,000 barrels)

Biodiesel exports in the U.S. 2001-2022



# Import volume of biodiesel into the United States from 2001 to 2022 (in 1,000 barrels)

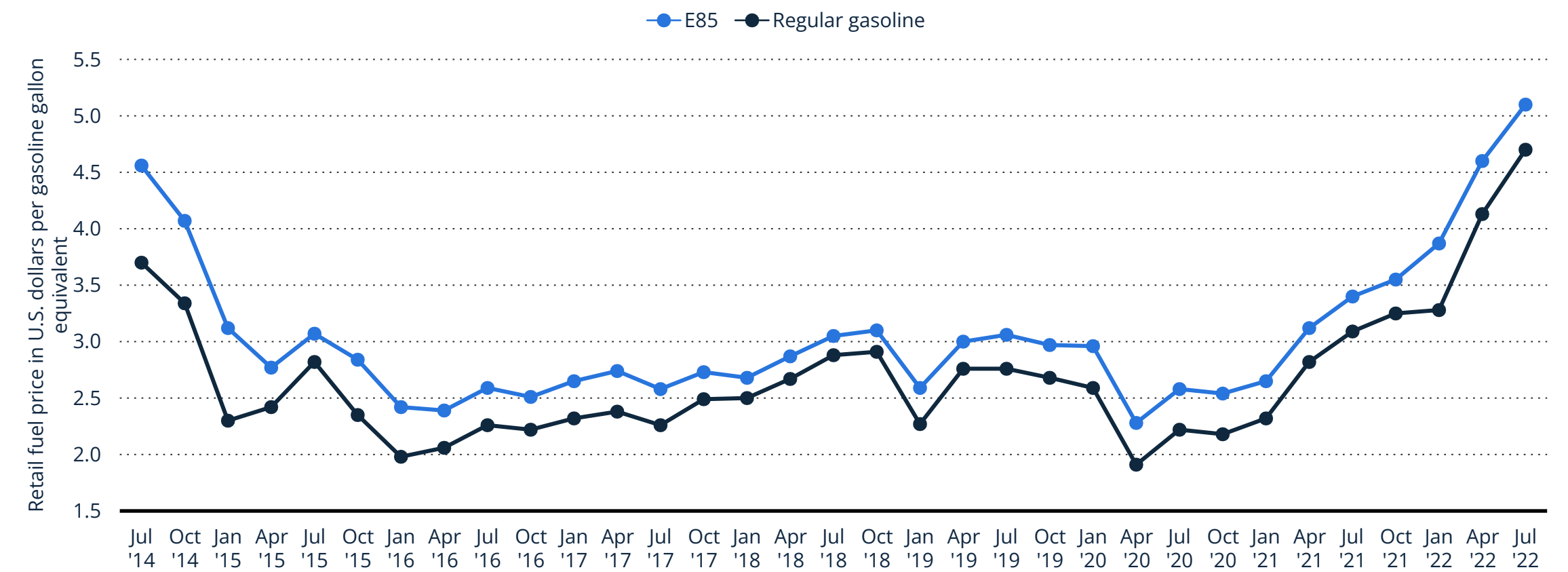
Biodiesel imports in the U.S. 2001-2022





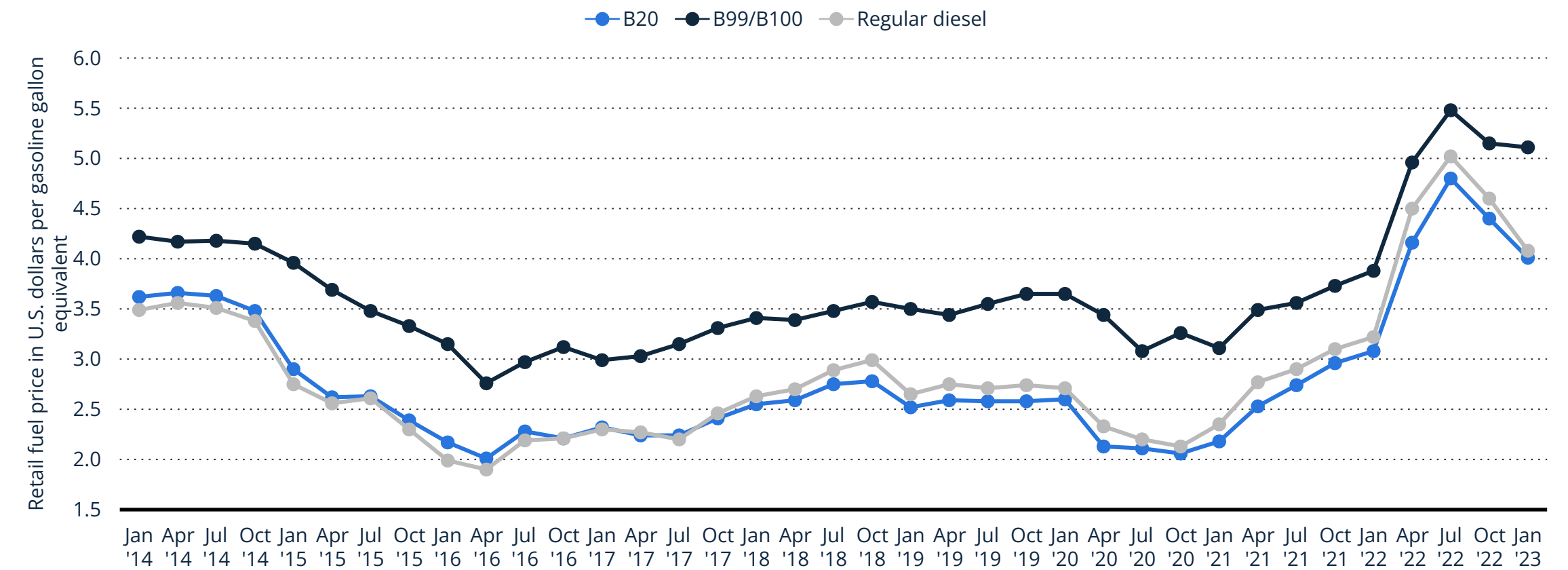
# Retail prices for E85 fuel and regular gasoline in the United States on the first of each month from July 2014 to July 2022 (in U.S. dollars per gasoline gallon equivalent)

E85 vis-a-vis regular gasoline retail fuel prices in the U.S. 2014-2022



# Retail prices for B20 fuel, B100 fuel and regular diesel in the United States on the first of each month from January 2014 to January 2023 (in U.S. dollars per gasoline gallon equivalent)

B20 and B100 vis-a-vis regular diesel retail fuel prices in the U.S. 2014-2023

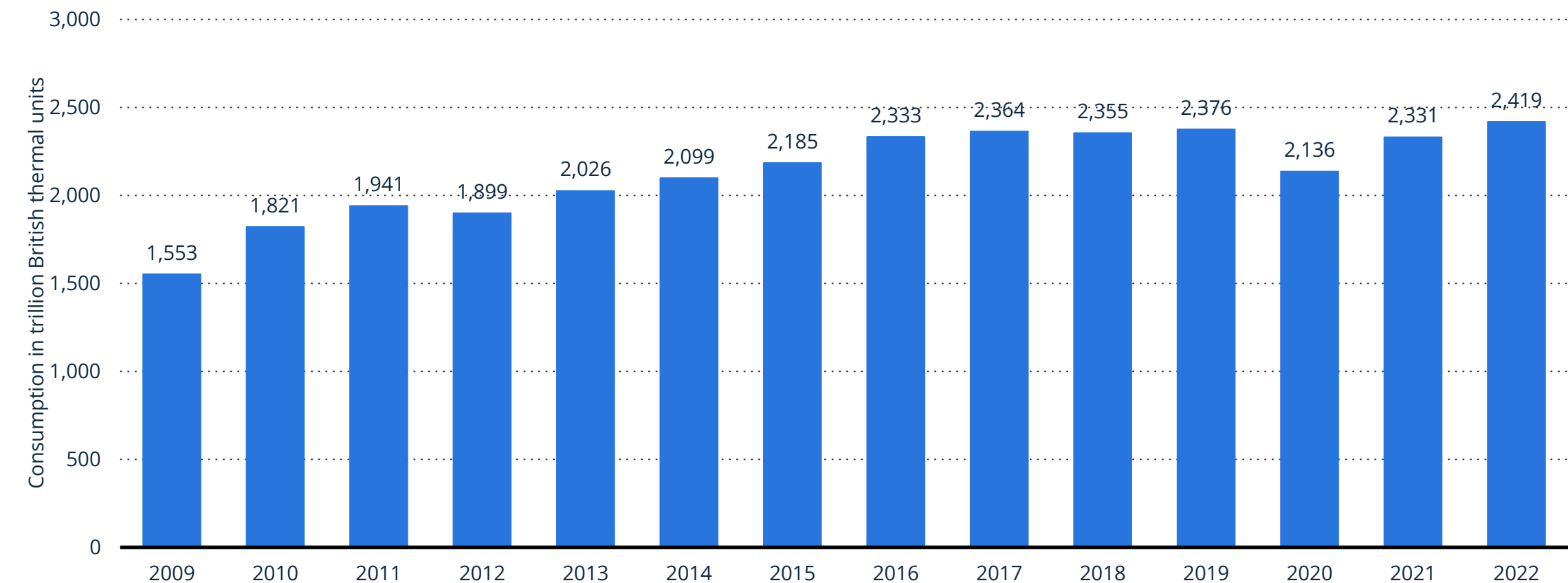


CHAPTER 05

# Consumption

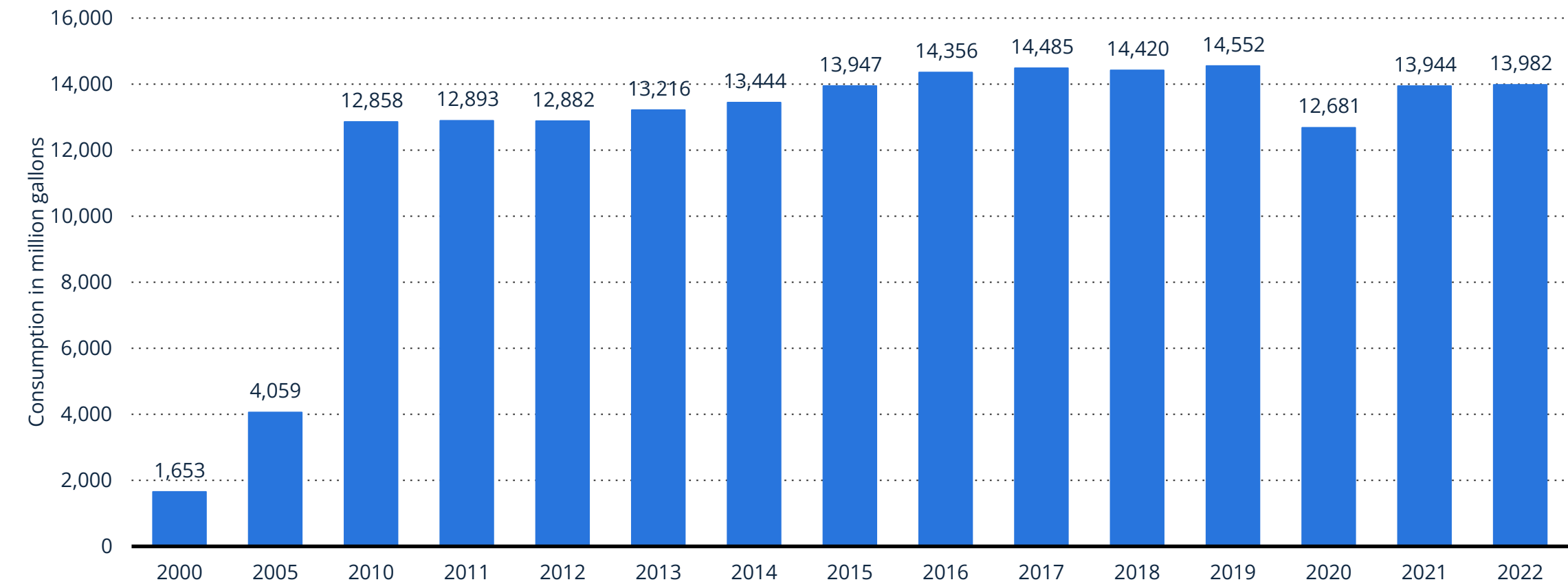
# Biofuel consumption in the United States from 2009 to 2022 (in trillion British thermal units)

Biofuels consumption in the U.S. 2009-2022



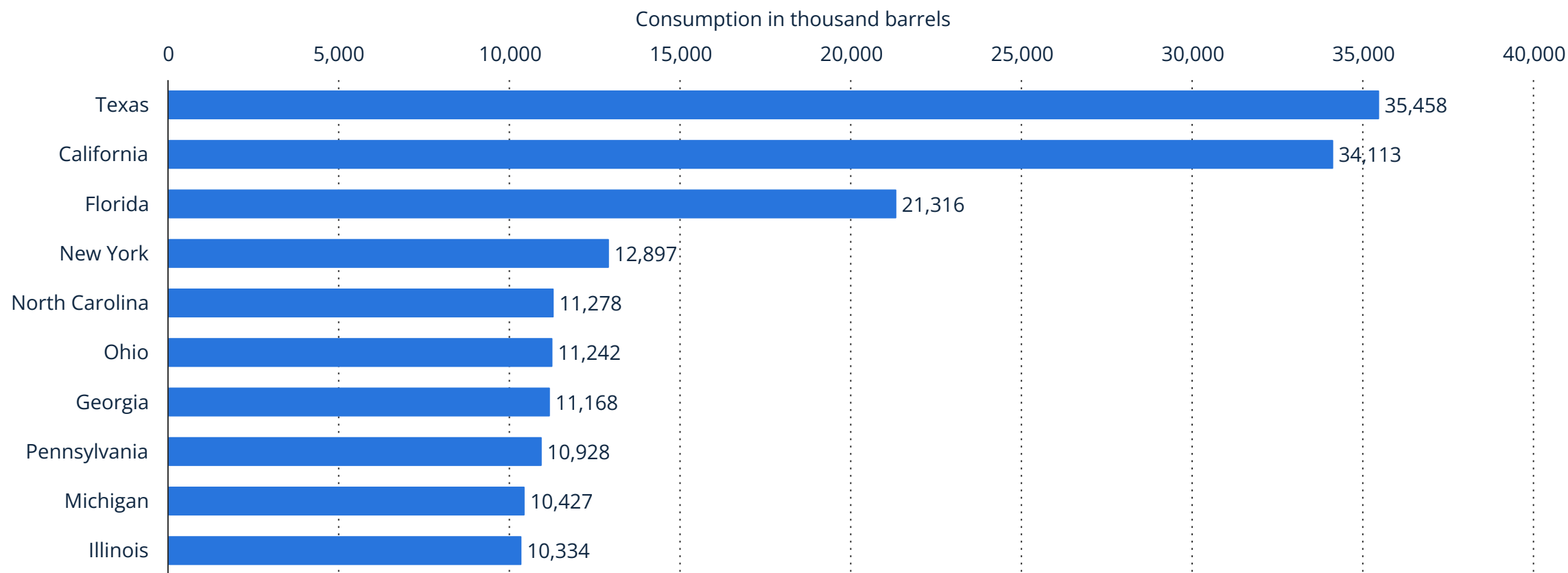
# Fuel ethanol consumption in the United States from 2000 to 2022 (in million gallons)

Fuel ethanol consumption in the U.S. 2000-2022



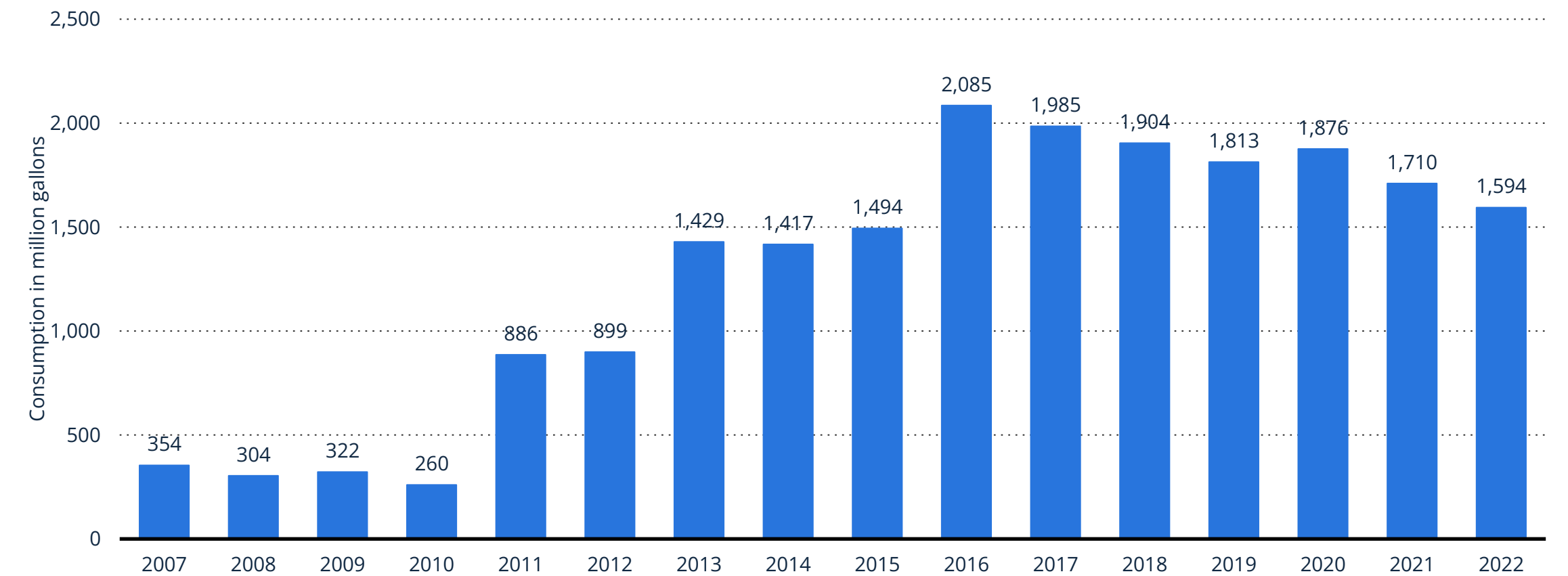
# Leading fuel ethanol consuming states in the United States in 2021 (in 1,000 barrels)

Fuel ethanol consumption in the U.S. 2021, by state



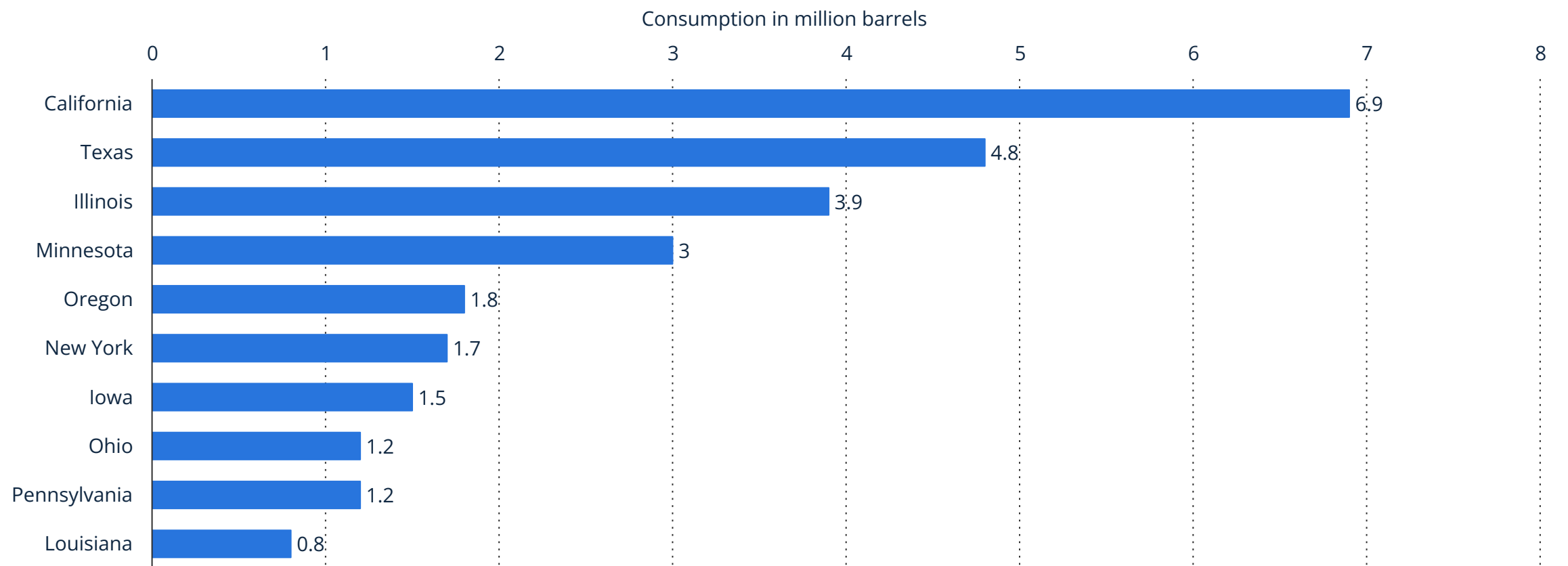
# Biodiesel consumption in the United States from 2007 to 2022 (in million gallons)

Biodiesel consumption in the U.S. 2007-2022



# Leading biodiesel consuming states in the United States in 2021 (in million barrels)

Biodiesel consumption in the U.S. 2021, by key state



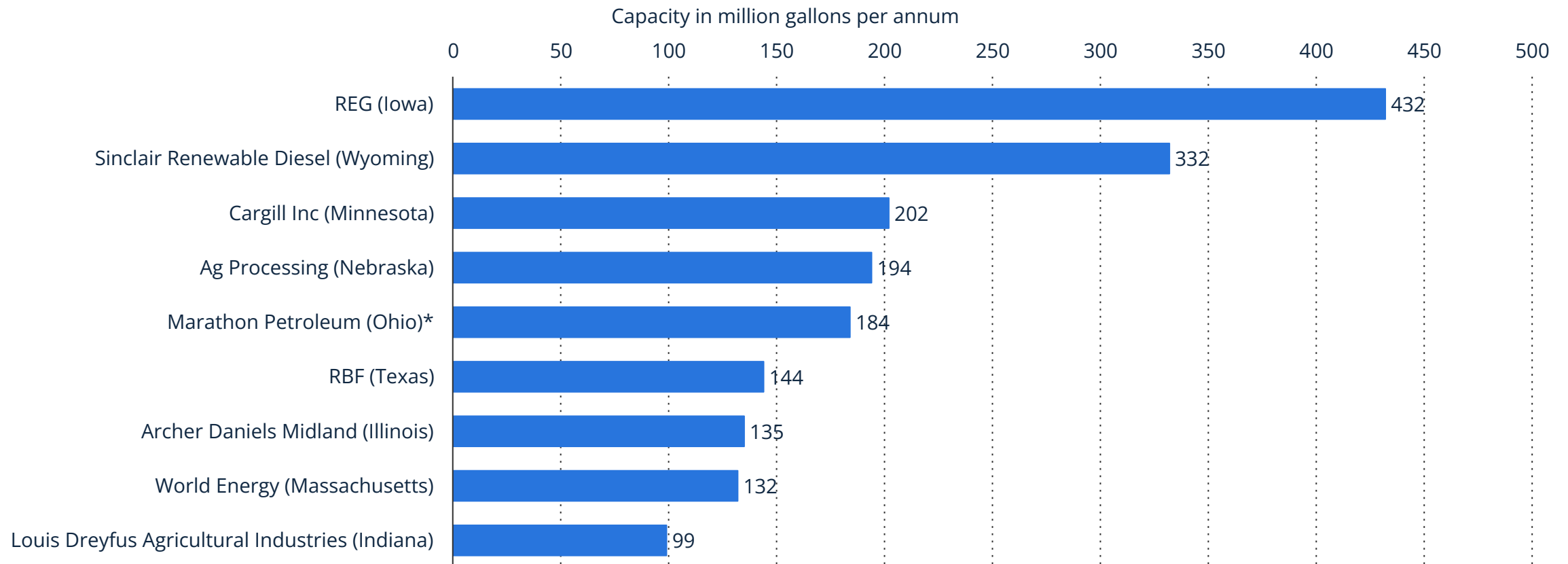


CHAPTER 06

# Companies

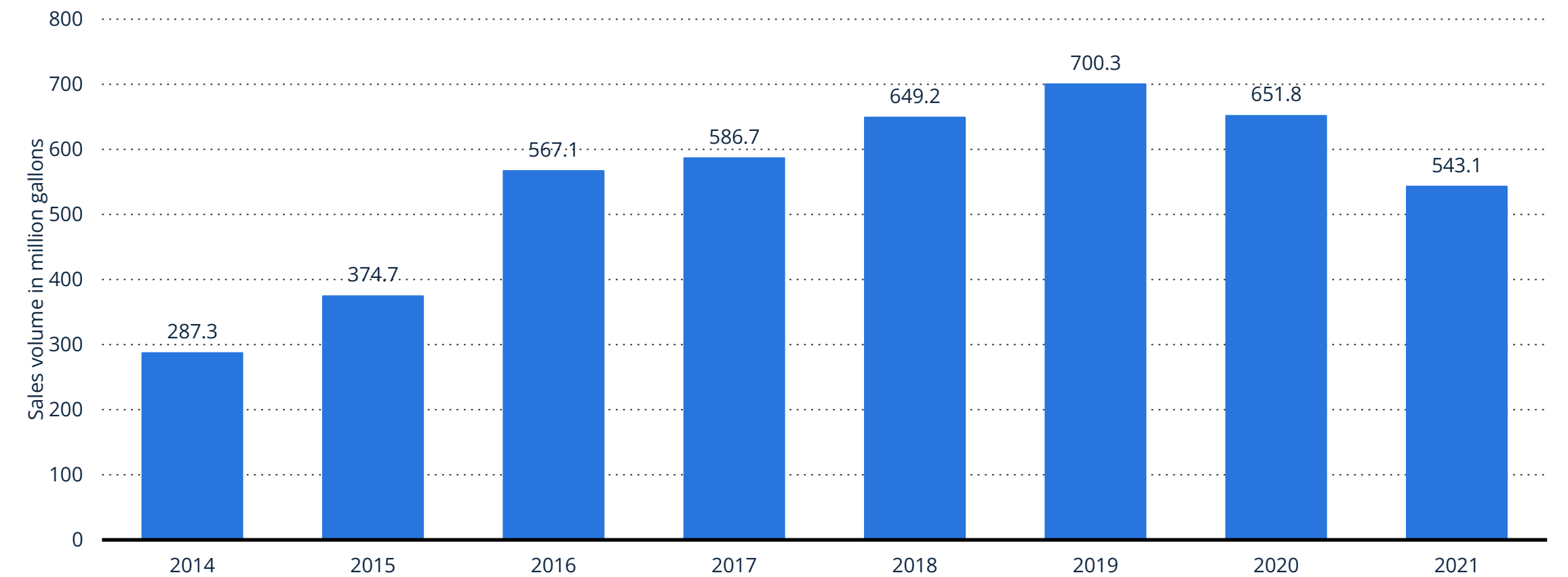
# Leading producers of biodiesel by capacity in the United States as of January 2023 (in million gallons per annum)

Largest biodiesel producers by capacity in the U.S. 2023



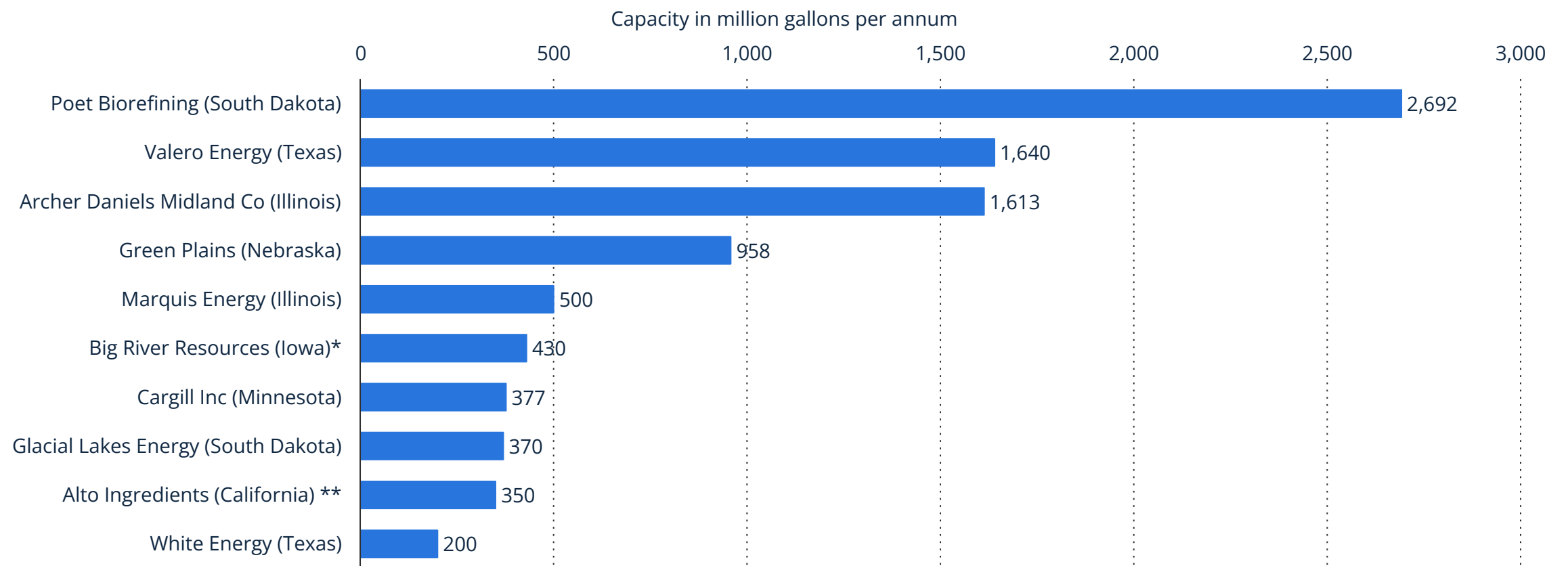
# Biodiesel sales volume of Renewable Energy Group (REG) from FY 2014 to FY 2021 (in million gallons)

Renewable Energy Group's biodiesel sales volume 2014-2021



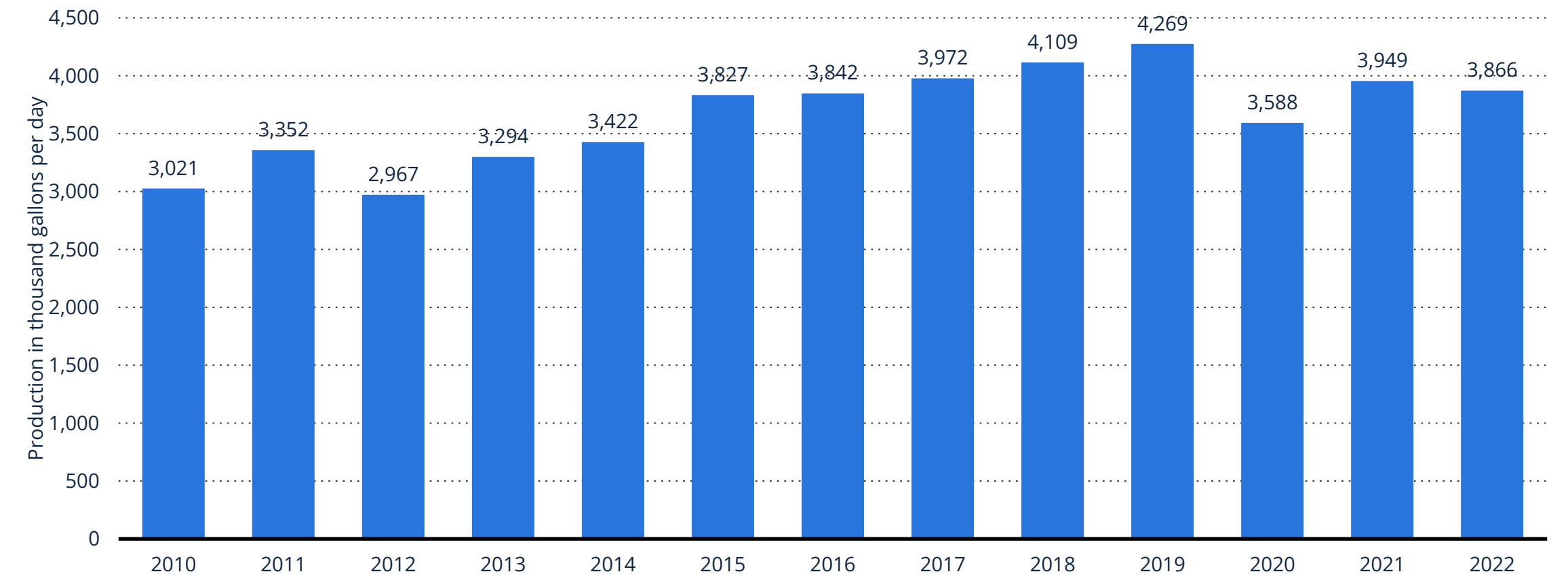
# Leading producers of ethanol by capacity in the United States as of 2023 (in million gallons per annum)

Largest ethanol producers by capacity in the U.S. 2023



# Ethanol production of Valero Energy Corporation from 2010 to 2022 (in 1,000 gallons per day)

Valero Energy's ethanol production 2010-2022



# Economic impact of the ethanol industry in the United States in 2022

Economic impact of ethanol industry in the United States 2022

	2022
Direct jobs	78802
Indirect and induced jobs	342876
Contribution to GDP (in billion U.S. dollars)	57
Household income (in billion U.S. dollars)	34.8

# Sources

Alternative Fuels Data Center  
Biodiesel Magazine  
EIA  
EIA (U.S. Energy Information Administration)  
Energy Institute  
Ethanol Producer Magazine  
IEA  
ILO  
IRENA  
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REG  
RFA  
US Census Bureau  
US Department of Agriculture  
US Department of Energy  
Valero Energy Corporation  
Various sources (Agriculture And Biofuels Consulting, LLP)