

farmdoc

# The Changing Face of American Agriculture Insights from the 2022 USDA Census of Agriculture



College of Agricultural,  
Consumer &  
Environmental Sciences

UNIVERSITY OF ILLINOIS URBANA-CHAMPAIGN

**Mark Schleusener**  
Illinois State Statistician

2022 CENSUS OF  
AGRICULTURE



United States Department of Agriculture  
National Agricultural Statistics Service



- Vermont
- Maine
- New Hampshire
- Massachusetts
- Rhode Island
- Connecticut
- New Jersey
- Delaware
- Maryland

# What do you think is the most important data series in the Census of Agriculture?

- Farm count
- Land in farms
- Demographics (age, gender, etc)
- Minor commodities (e.g., horseradish in IL)



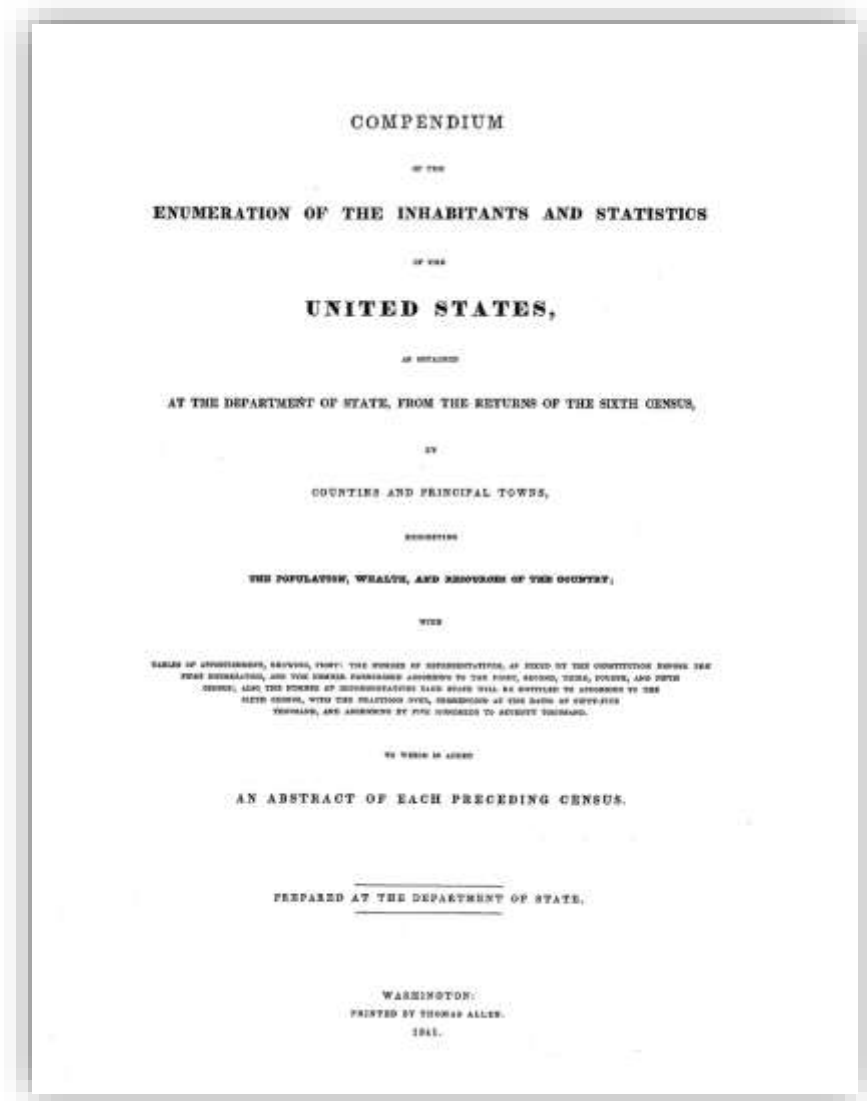
# History of the Census of Agriculture

The first Census of Agriculture was conducted in 1840 in 26 states and the District of Columbia.

Questions about agriculture in the United States first appeared in the 1840 census, which was conducted under the direction of the Secretary of State.

Official census marshals collected data on 37 questions.

These marshals and assistants made personal visits to collect the data and were paid as much as \$2.50 for information from every 50 people.



# History of the Census of Agriculture

## 180 years later:

- The 2022 Census of Agriculture is the 30th in the series, and the 6th conducted by NASS.
- In 1997, the Census of Agriculture was transferred from the Census Bureau to NASS.
- The Census of Agriculture encompasses 50 states, Puerto Rico, and outlying areas.  
*Guam, U.S. Virgin Islands, American Samoa, Northern Mariana Islands*

# History of the Census of Agriculture

## Data are available for:

- National
- State
- County levels
- Congressional districts
- Watersheds
- Zip codes

# Farms and Land in Farms

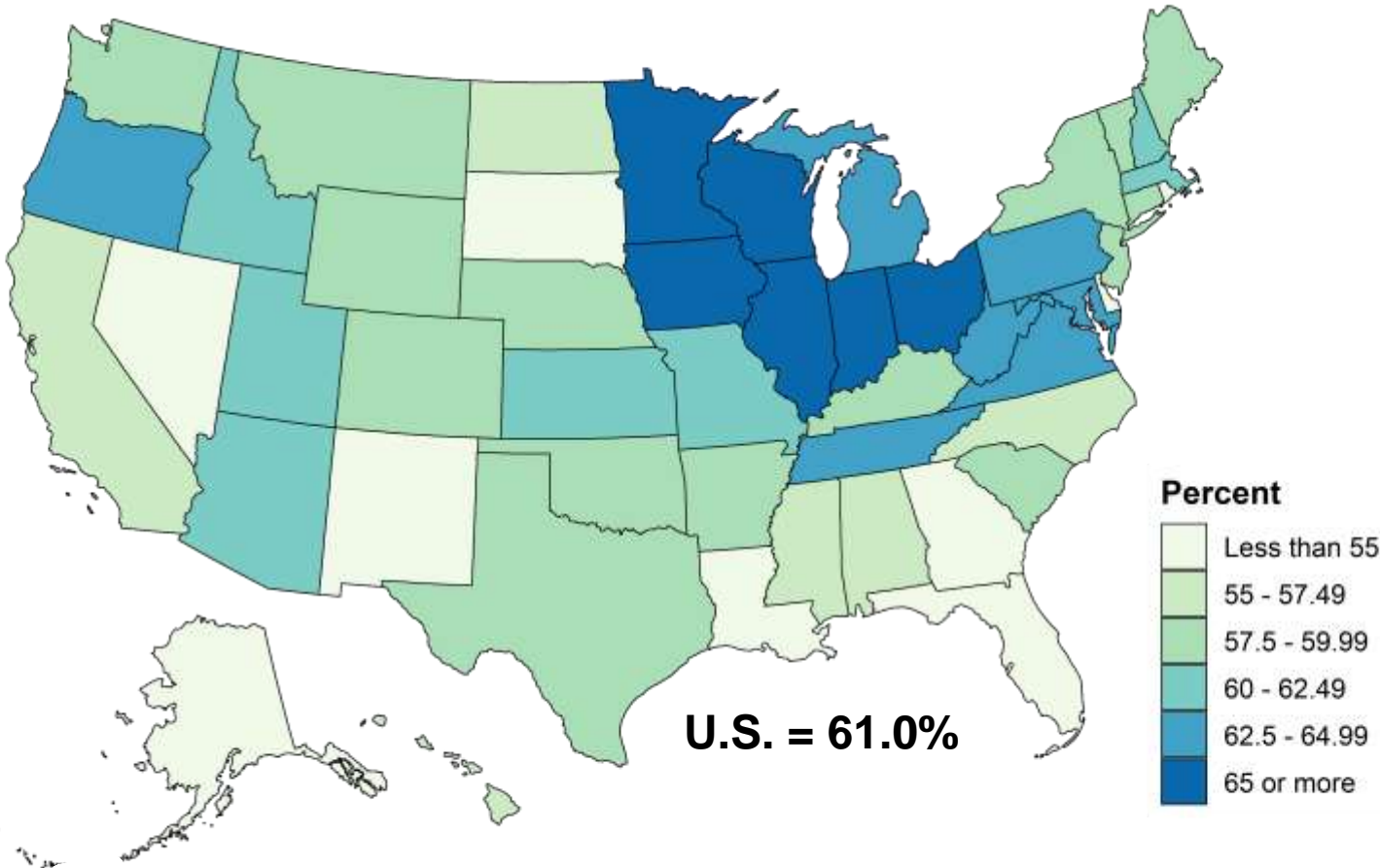
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**Since 1974, the Census of Agriculture has defined a farm as**

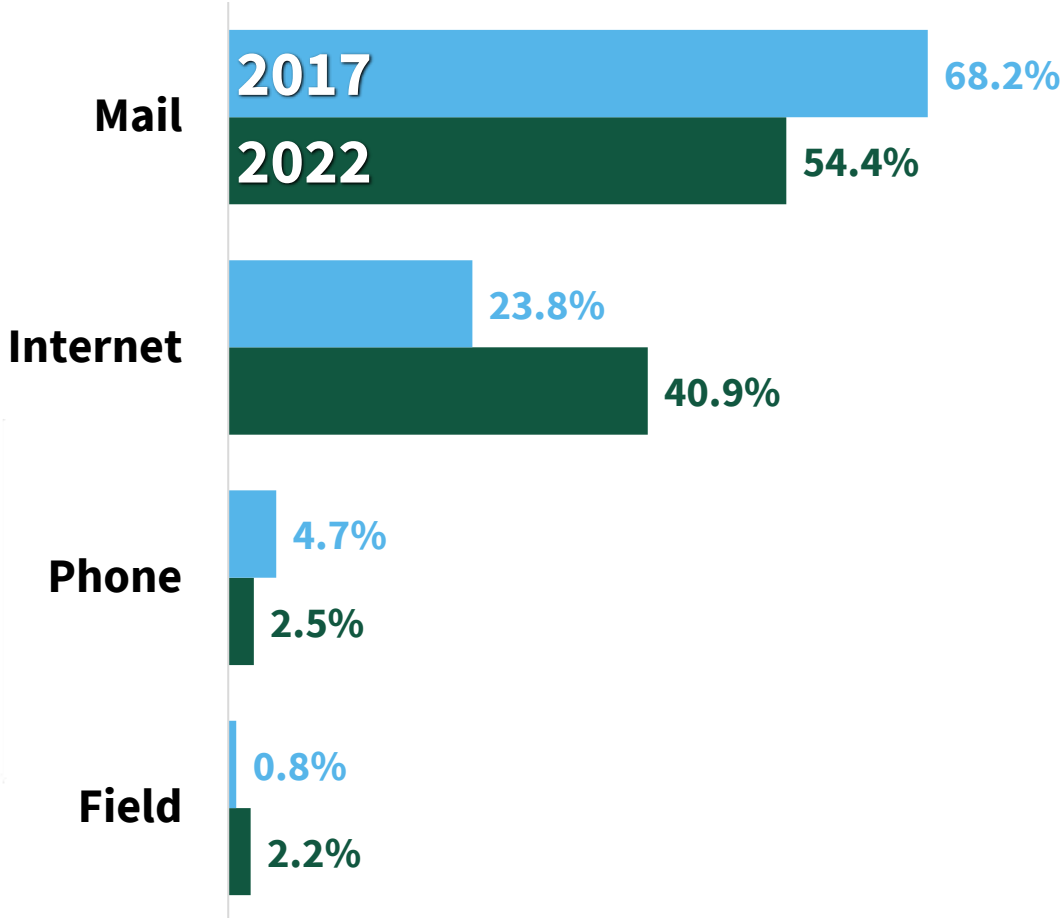
*“any place from which \$1,000 or more of agricultural products were produced and sold, or normally would have been sold, during the census year.”*

# Census Data Collection

## Response Rate by State, 2022



## Return Rate by Mode *percent of returns*







# Farms and Land

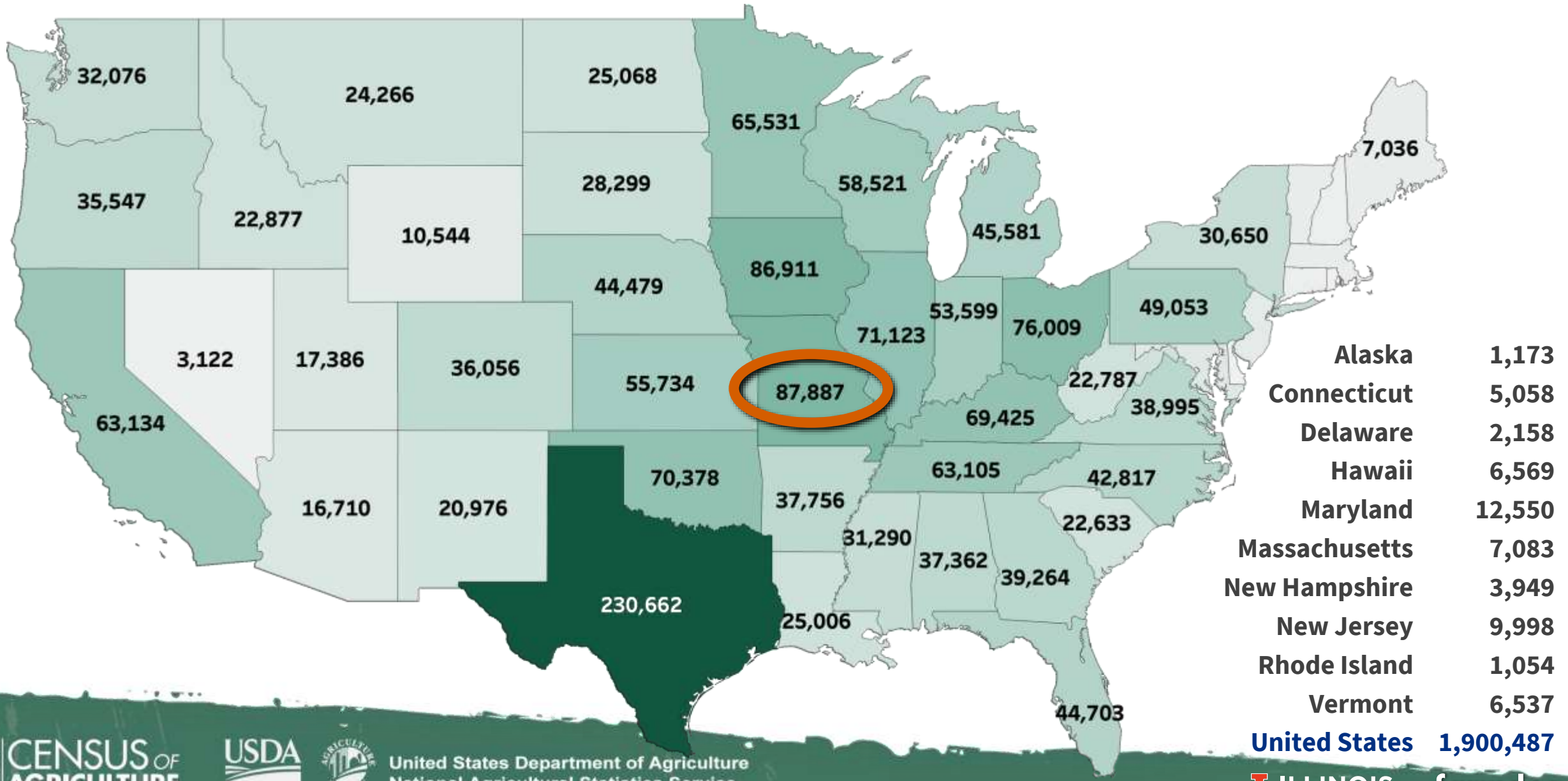


# Given that TX had the highest farm count of any state, what state do you think is #2?

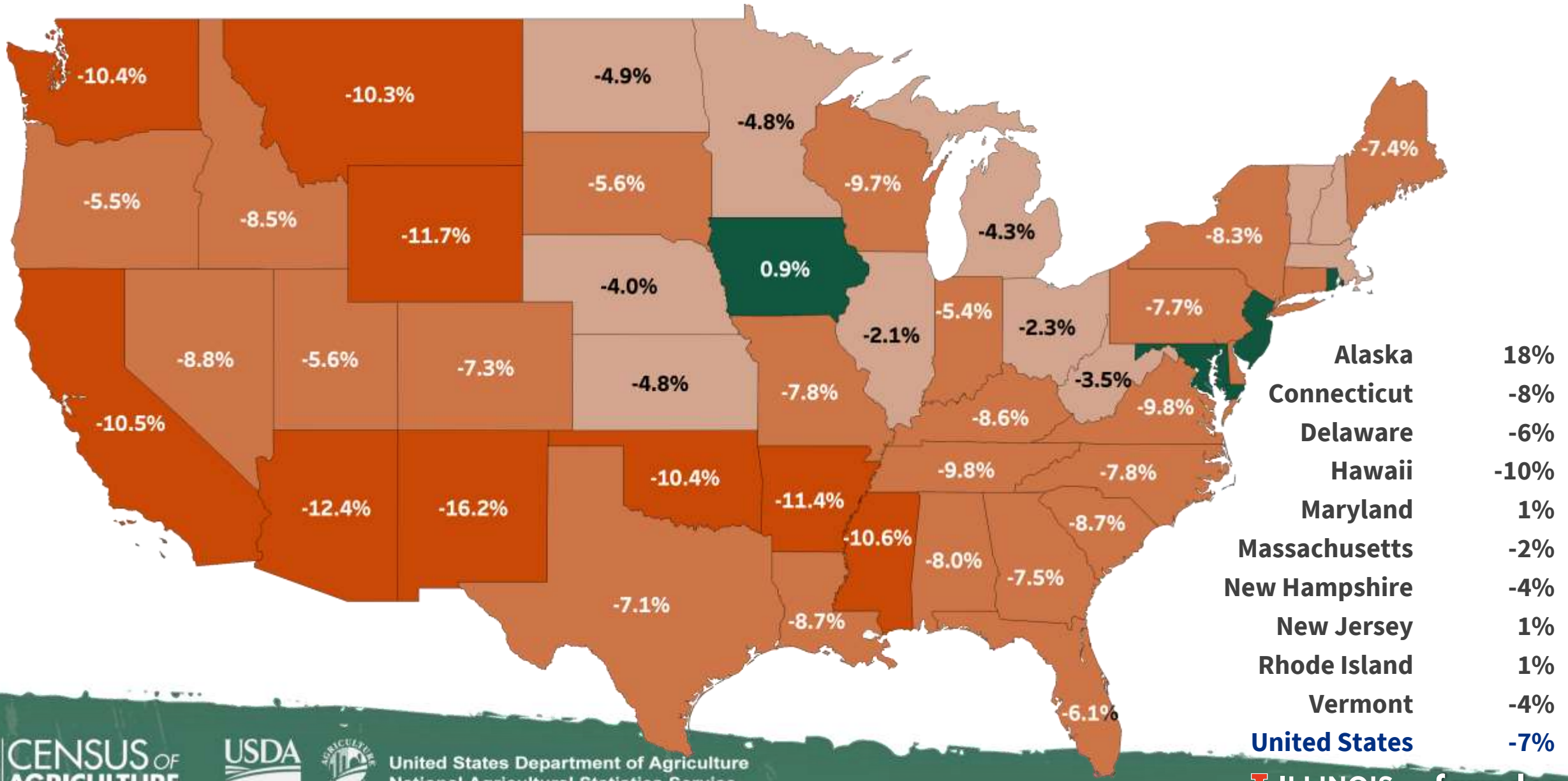
- Illinois
- Iowa
- Ohio
- Missouri
- California



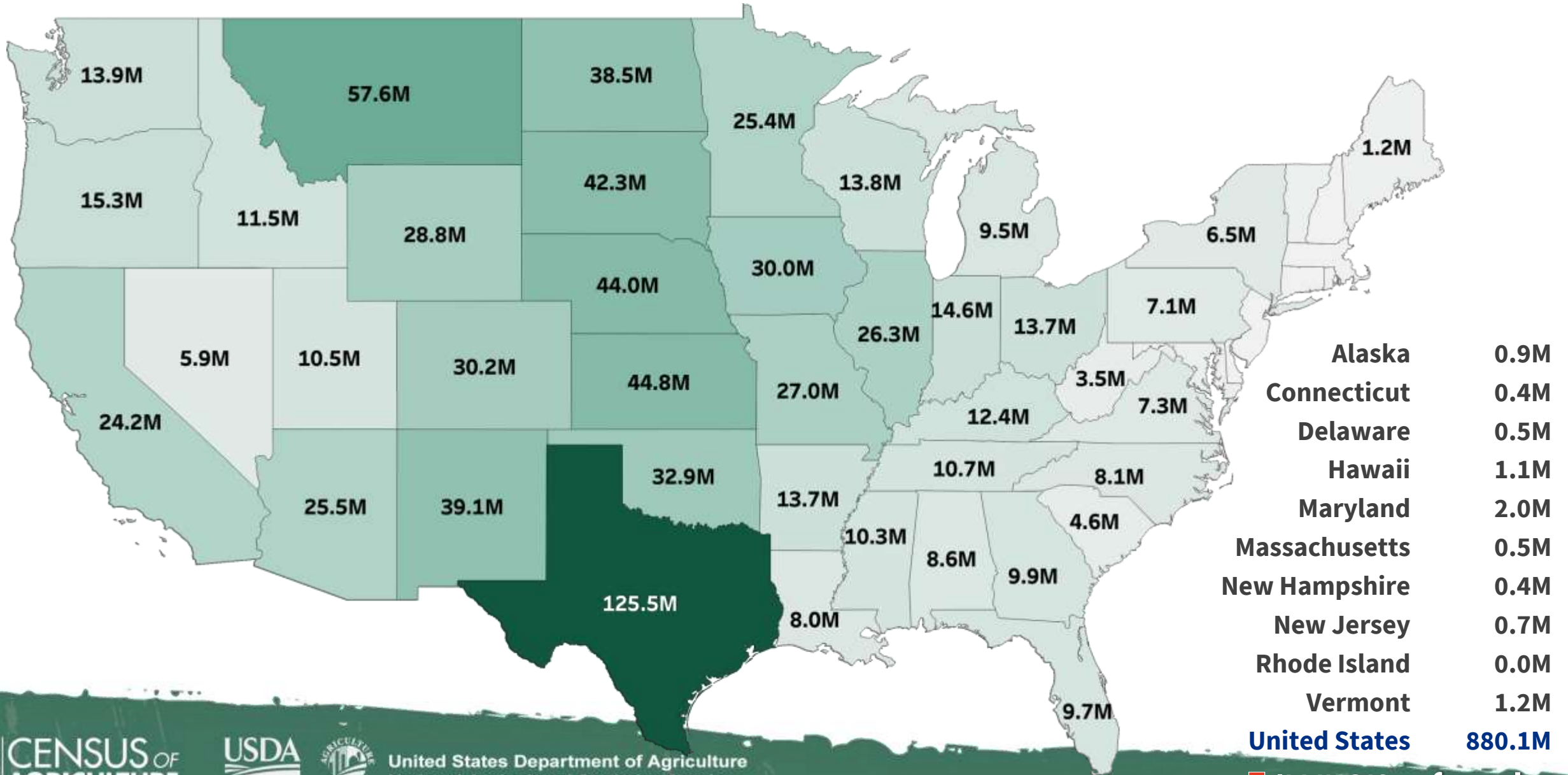
# Farms



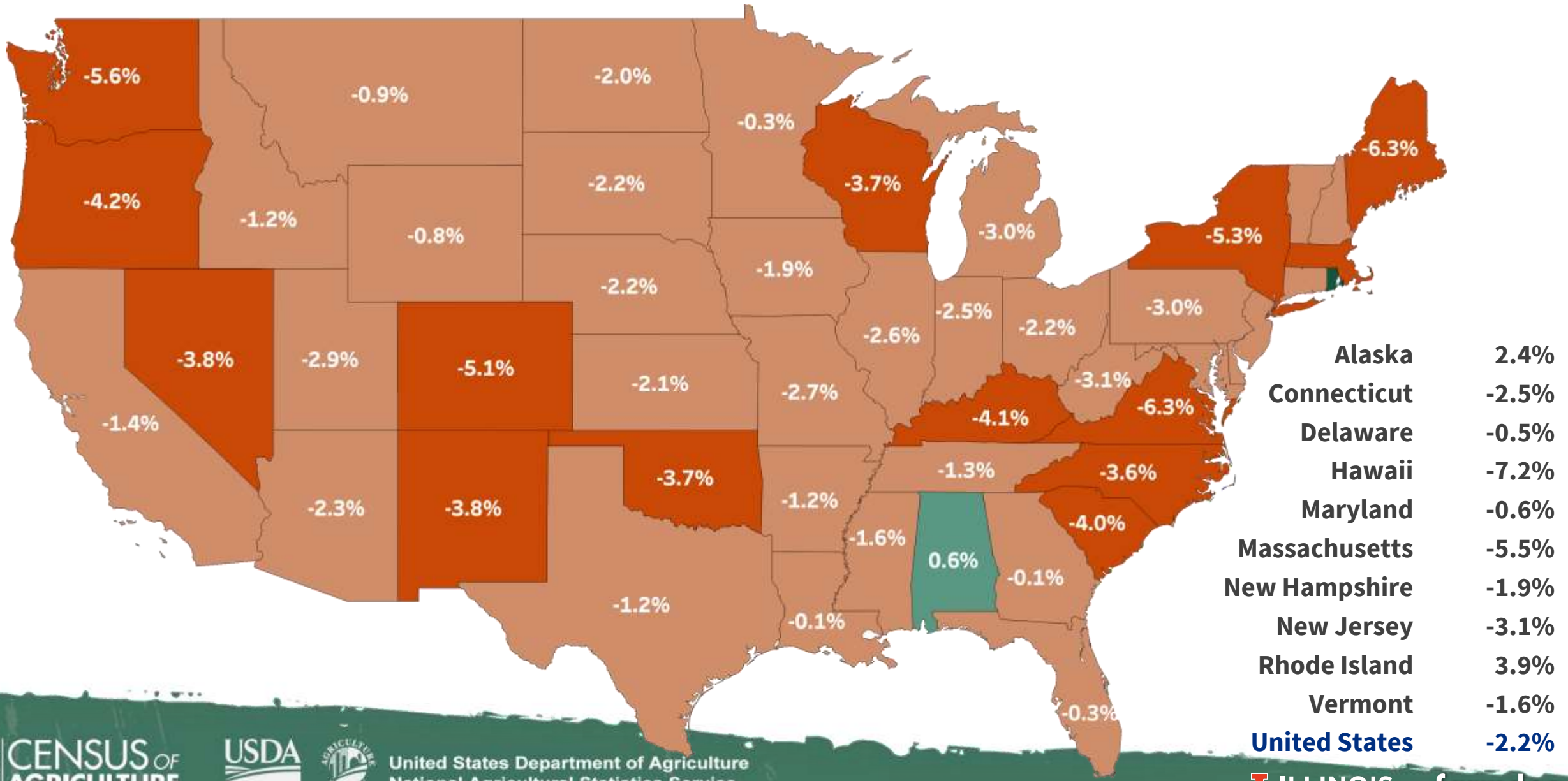
# Percent Change in Farms



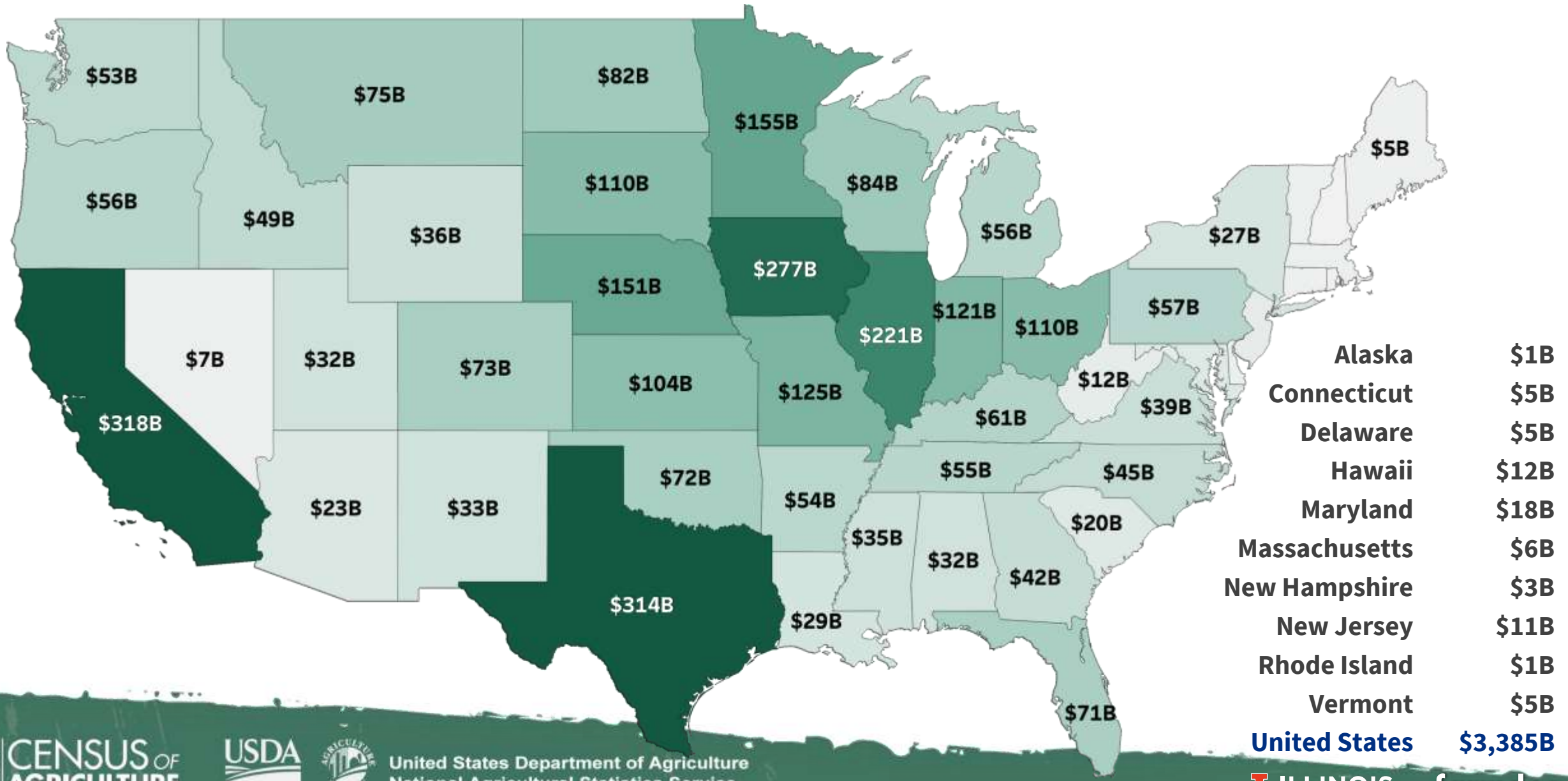
# Acres of Ag Land



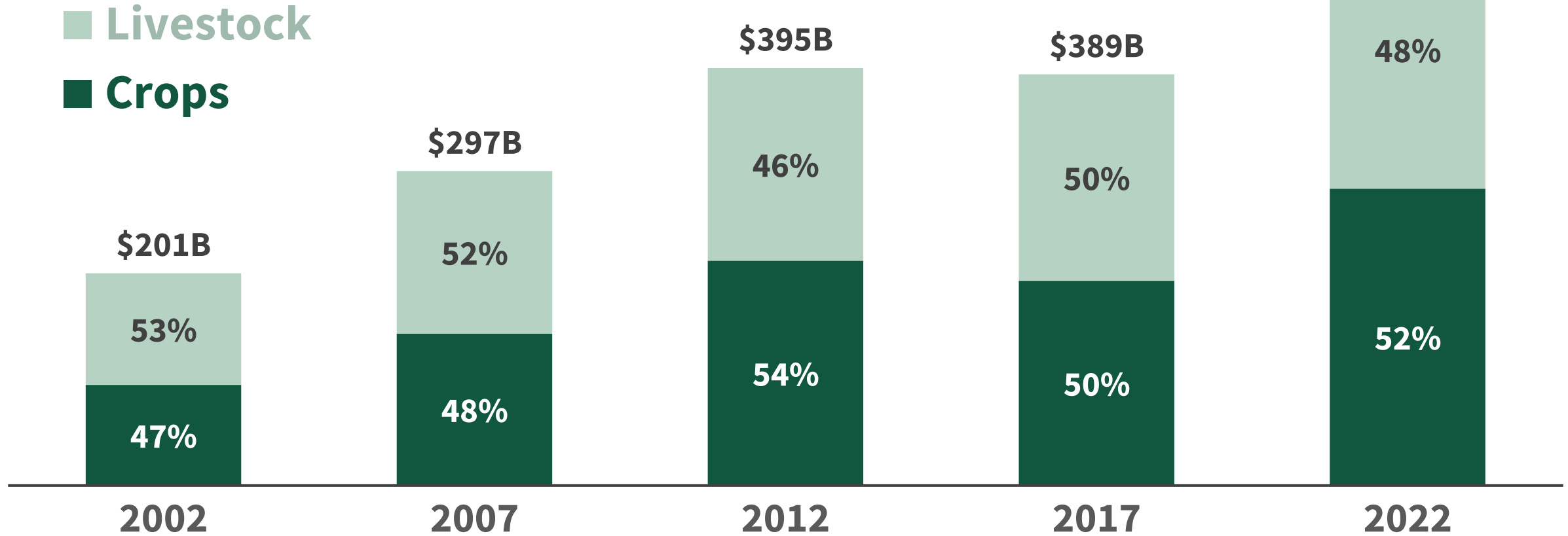
# Percent Change in Acres of Ag Land



# Value of Land and Buildings

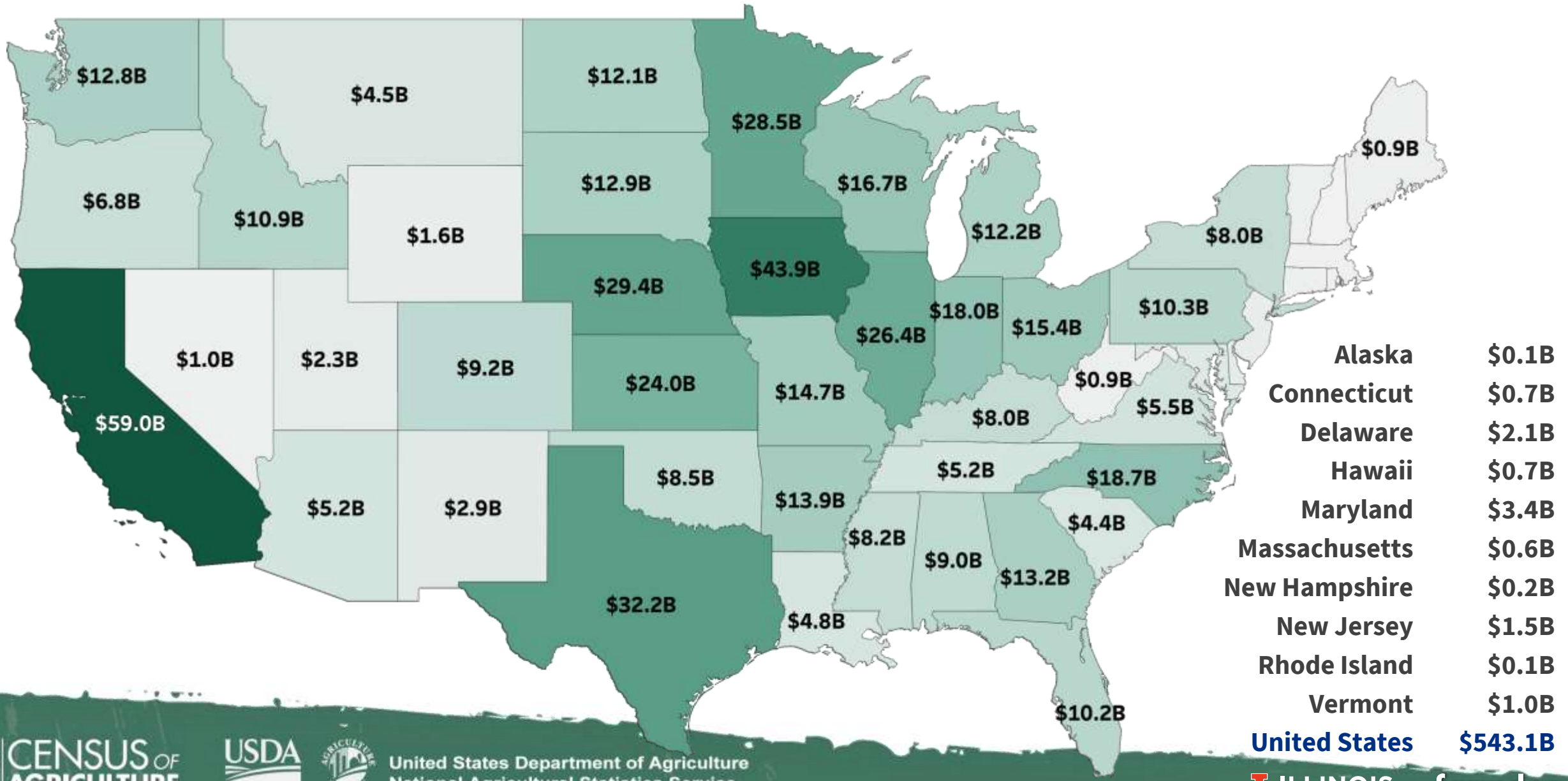


# US Value of Production Crops and Livestock 2002 - 2022 (\$ billions)



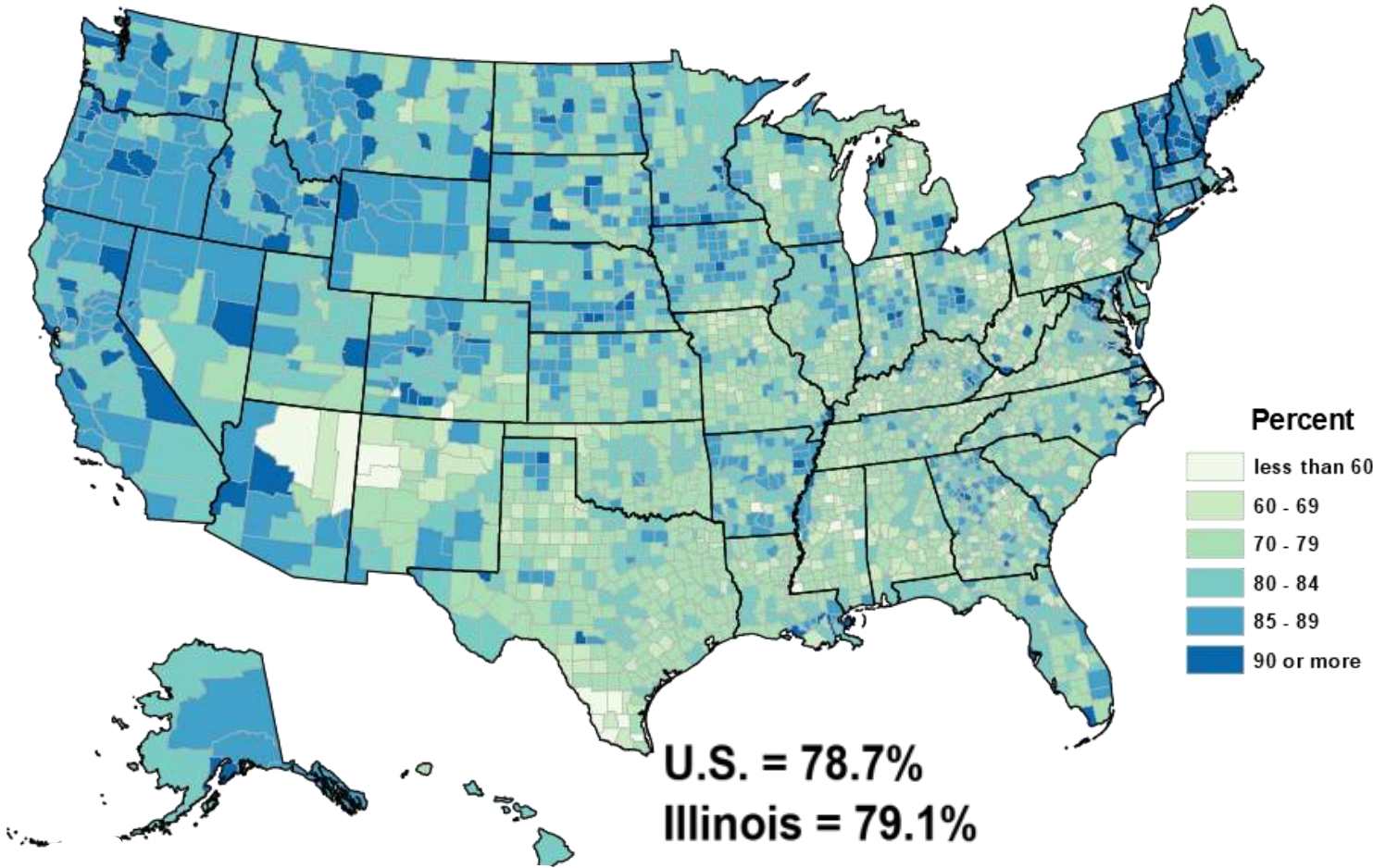


# Total Sales of Livestock and Crops

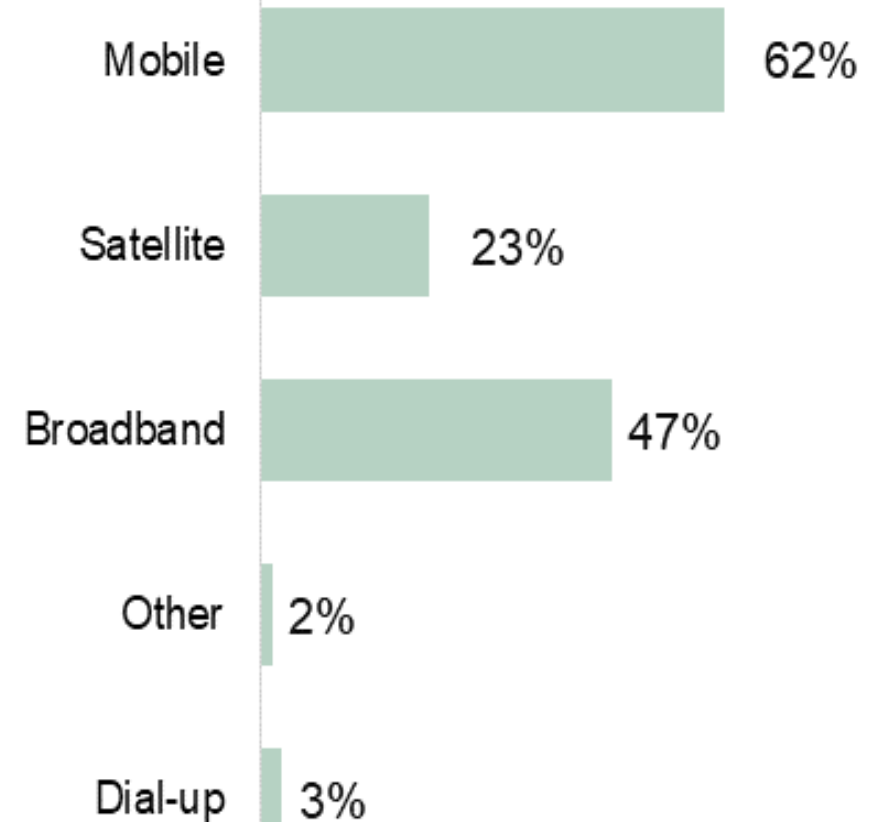


# Farms with Internet Access

## As a Percent of Total, by County, 2022



## By Type, 2022 (percent)





# Demographics



# Demographic questions

## SECTION 8

## PERSONAL CHARACTERISTICS

1. In 2022, how many men and women were involved in decisions for this operation (include family members and hired managers)? Exclude hired workers unless they were a hired manager or family member. . . . . 1571

Men

Women

2. Answer the following questions for up to four individuals who were involved in the decisions for this operation as of **December 31, 2022.**

	Person 1	Person 2	Person 3	Person 4
	1836	1852	1872	1873
a. Full name . . . . .				
b. Sex . . . . .	1926 1 <input type="checkbox"/> Male 2 <input type="checkbox"/> Female	1586 1 <input type="checkbox"/> Male 2 <input type="checkbox"/> Female	1597 1 <input type="checkbox"/> Male 2 <input type="checkbox"/> Female	1614 1 <input type="checkbox"/> Male 2 <input type="checkbox"/> Female
c. What was this person's age on December 31, 2022?	1925 <input type="text"/> age	1585 <input type="text"/> age	1596 <input type="text"/> age	1615 <input type="text"/> age
d. Is this person of Hispanic, Latino, or Spanish origin? . . . . .	1927 Hispanic, Latino, or Spanish origin 1 <input type="checkbox"/> Yes 3 <input type="checkbox"/> No	1587 Hispanic, Latino, or Spanish origin 1 <input type="checkbox"/> Yes 3 <input type="checkbox"/> No	1598 Hispanic, Latino, or Spanish origin 1 <input type="checkbox"/> Yes 3 <input type="checkbox"/> No	1622 Hispanic, Latino, or Spanish origin 1 <input type="checkbox"/> Yes 3 <input type="checkbox"/> No

# More demographic questions

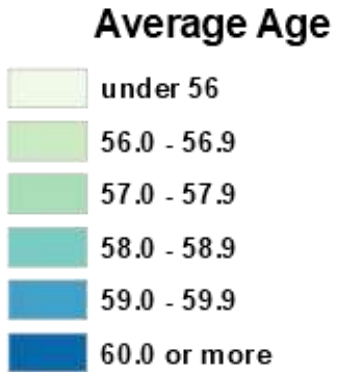
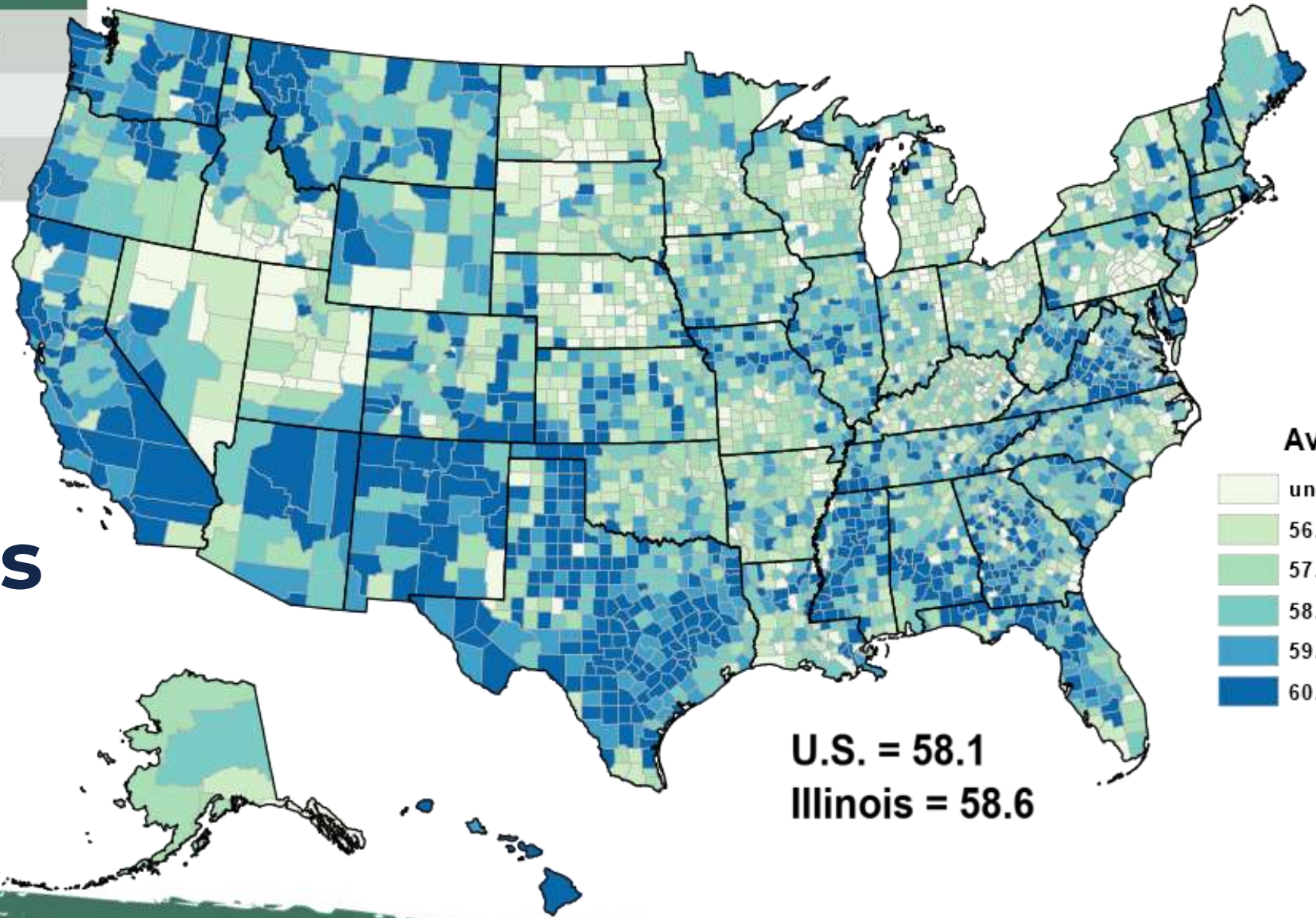
e. Race .....	<p><b>Mark one or more.</b></p> <p>2701 <input type="checkbox"/> White</p> <p>2702 <input type="checkbox"/> Black or African American</p> <p>2703 <input type="checkbox"/> American Indian or Alaska Native. Specify tribe ↴</p> <p>2733 <input type="text"/></p> <p>2705 <input type="checkbox"/> Asian</p> <p>2704 <input type="checkbox"/> Native Hawaiian or Other Pacific Islander</p>	<p><b>Mark one or more.</b></p> <p>1801 <input type="checkbox"/> White</p> <p>1802 <input type="checkbox"/> Black or African American</p> <p>1803 <input type="checkbox"/> American Indian or Alaska Native. Specify tribe ↴</p> <p>1833 <input type="text"/></p> <p>1805 <input type="checkbox"/> Asian</p> <p>1804 <input type="checkbox"/> Native Hawaiian or Other Pacific Islander</p>	<p><b>Mark one or more.</b></p> <p>1901 <input type="checkbox"/> White</p> <p>1902 <input type="checkbox"/> Black or African American</p> <p>1903 <input type="checkbox"/> American Indian or Alaska Native. Specify tribe ↴</p> <p>1933 <input type="text"/></p> <p>1905 <input type="checkbox"/> Asian</p> <p>1904 <input type="checkbox"/> Native Hawaiian or Other Pacific Islander</p>	<p><b>Mark one or more.</b></p> <p>1616 <input type="checkbox"/> White</p> <p>1617 <input type="checkbox"/> Black or African American</p> <p>1618 <input type="checkbox"/> American Indian or Alaska Native. Specify tribe ↴</p> <p>1619 <input type="text"/></p> <p>1620 <input type="checkbox"/> Asian</p> <p>1621 <input type="checkbox"/> Native Hawaiian or Other Pacific Islander</p>	
	f. At which occupation did this person spend the majority (50 percent or more) of his/her worktime in 2022? .....	<p><b>Mark one.</b></p> <p>1928</p> <p>1 <input type="checkbox"/> Farm or ranch work</p> <p>2 <input type="checkbox"/> Work other than farming or ranching</p>	<p><b>Mark one.</b></p> <p>1580</p> <p>1 <input type="checkbox"/> Farm or ranch work</p> <p>2 <input type="checkbox"/> Work other than farming or ranching</p>	<p><b>Mark one.</b></p> <p>1591</p> <p>1 <input type="checkbox"/> Farm or ranch work</p> <p>2 <input type="checkbox"/> Work other than farming or ranching</p>	<p><b>Mark one.</b></p> <p>1623</p> <p>1 <input type="checkbox"/> Farm or ranch work</p> <p>2 <input type="checkbox"/> Work other than farming or ranching</p>
		g. Is this person retired from farming or ranching? .....	<p>1924</p> <p>1 <input type="checkbox"/> Yes 3 <input type="checkbox"/> No</p>	<p>1582</p> <p>1 <input type="checkbox"/> Yes 3 <input type="checkbox"/> No</p>	<p>1593</p> <p>1 <input type="checkbox"/> Yes 3 <input type="checkbox"/> No</p>

## All Producers, 2012 - 2022

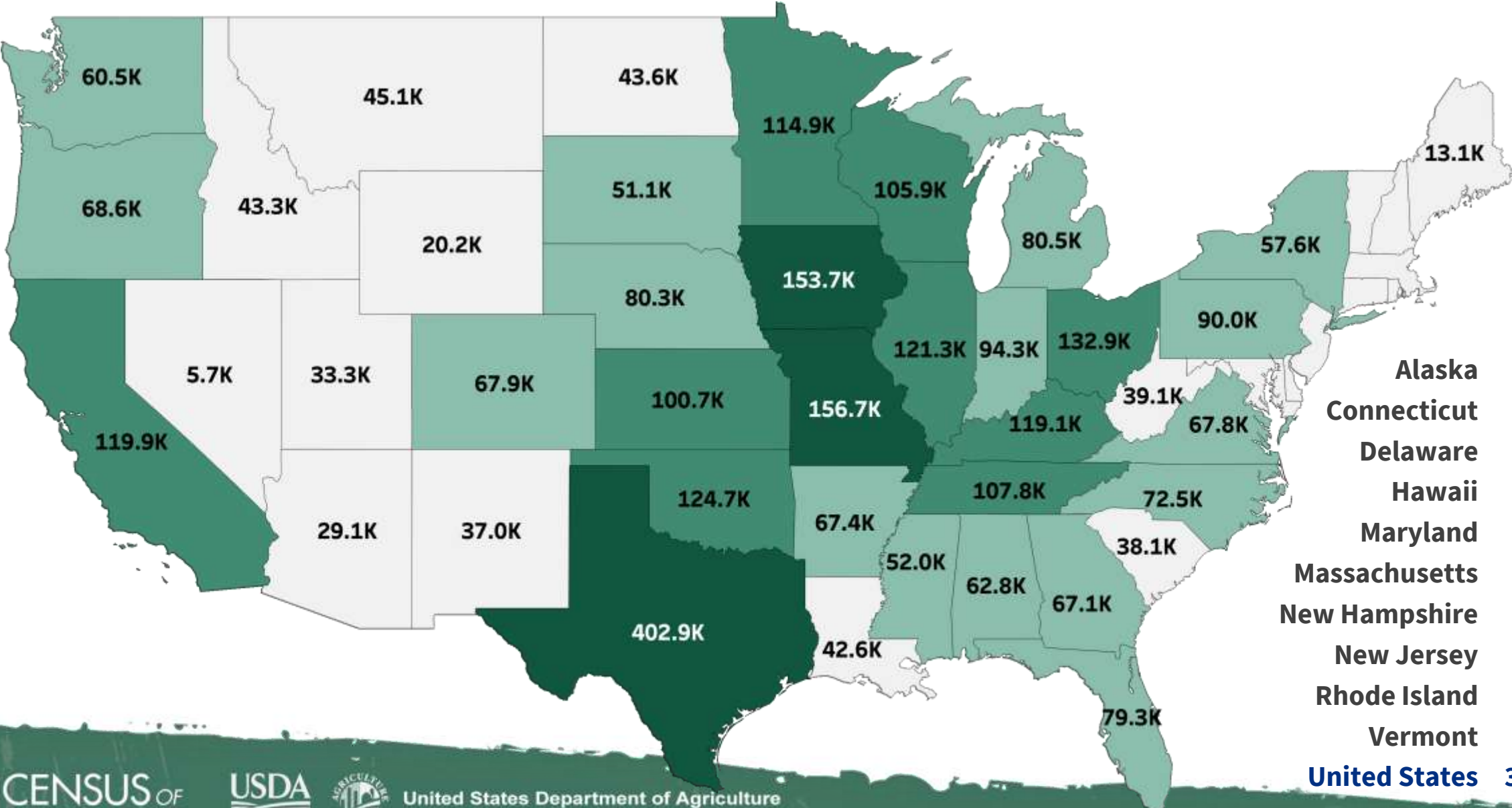
2012	56.3
2017	58
2022	58.6

# Average Age of Producers

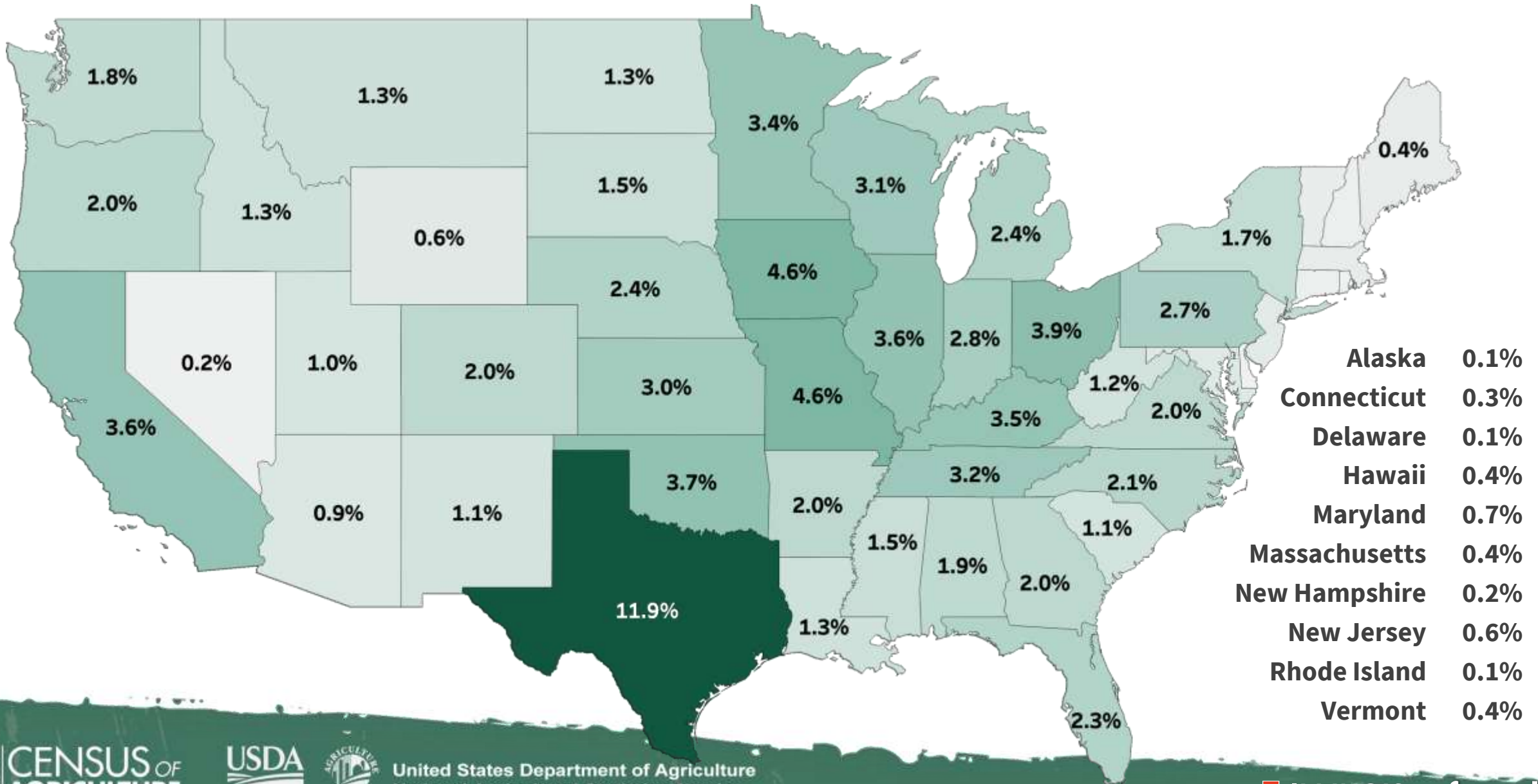
*By County, 2022*



# Number of Producers



# Producers as a Percent of USA Total



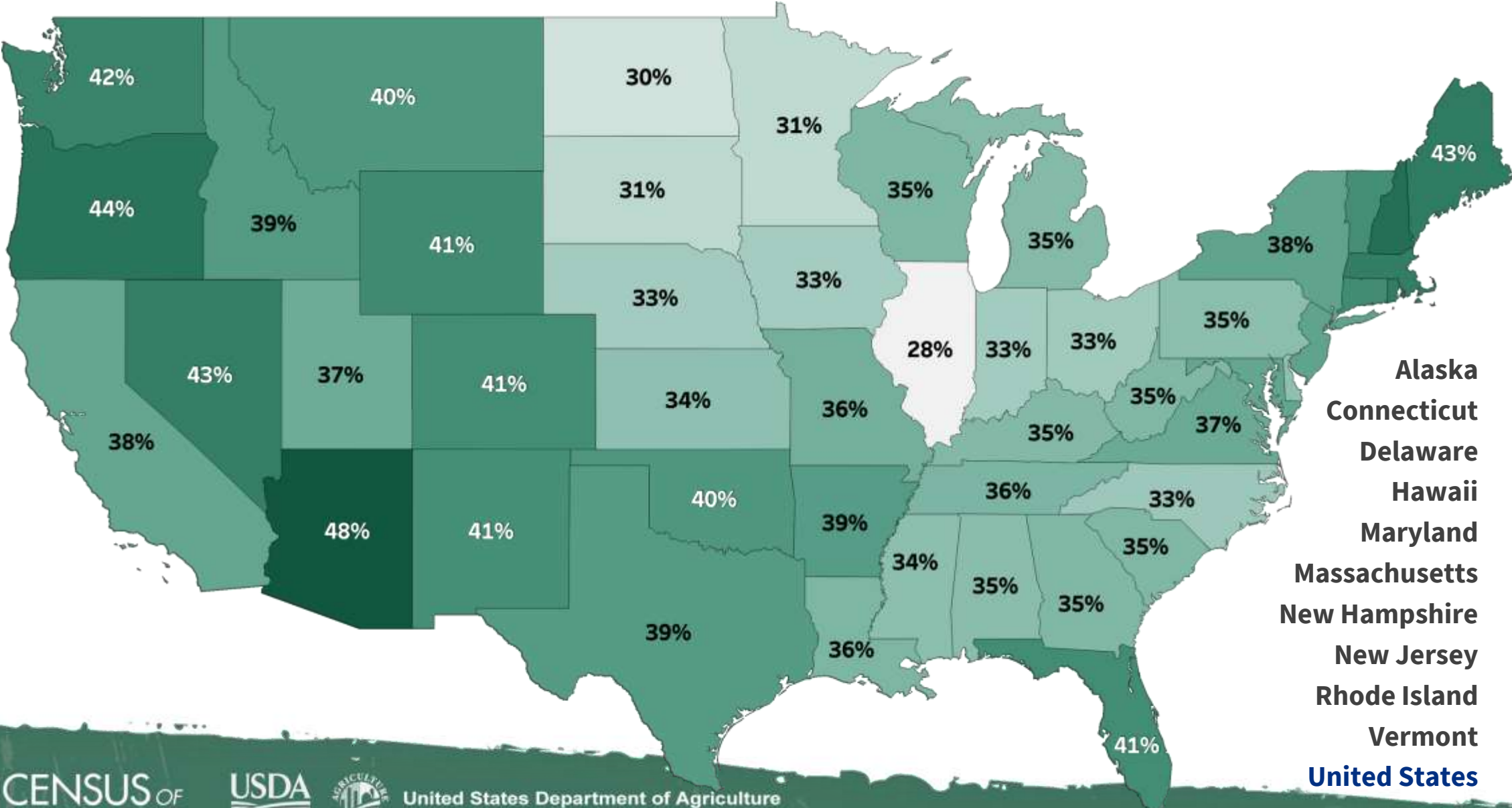


# What state do you think had the highest percent of female producers in the entire US?

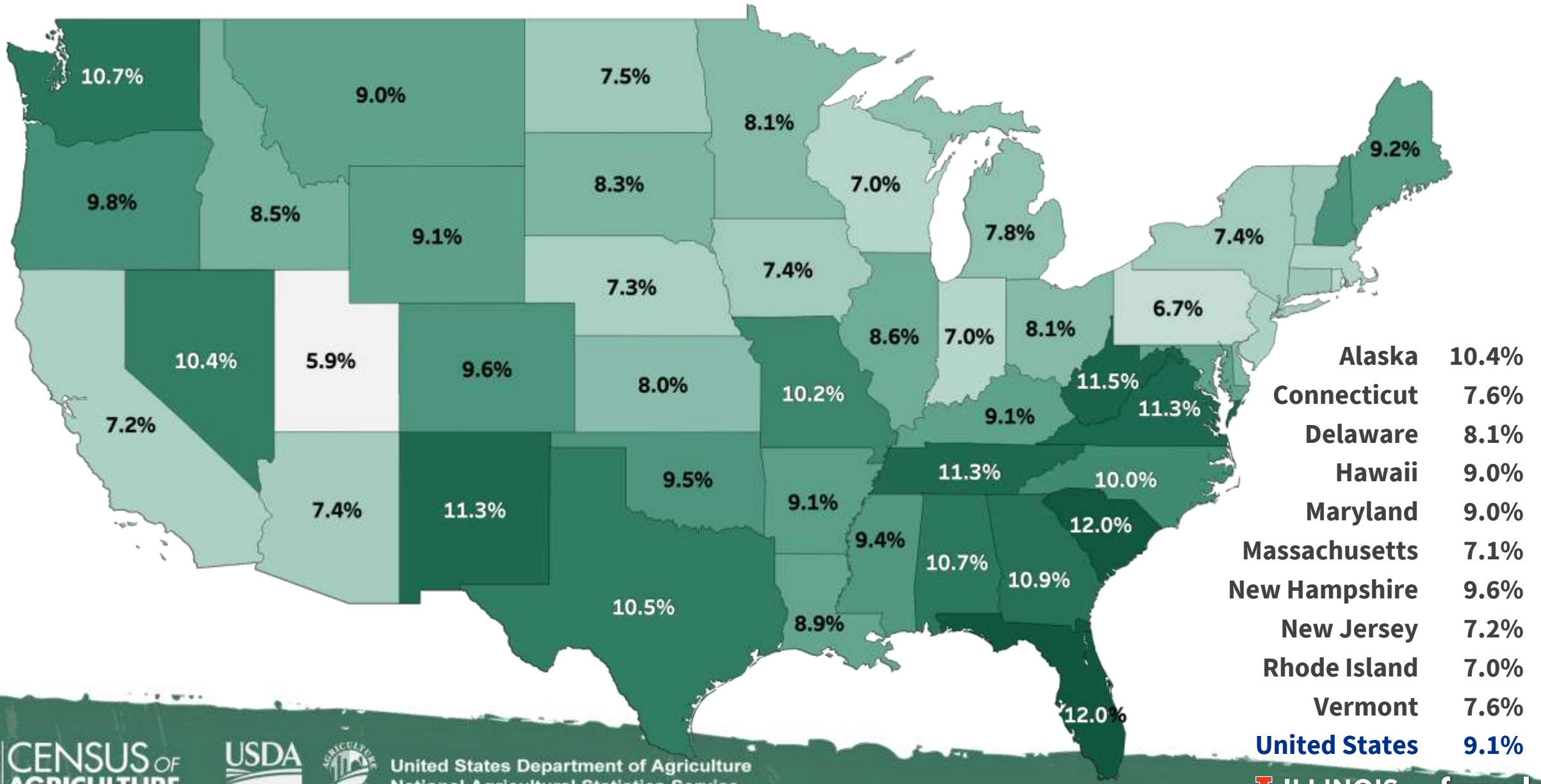
- Illinois
- Indiana
- Texas
- Arizona
- Hawaii



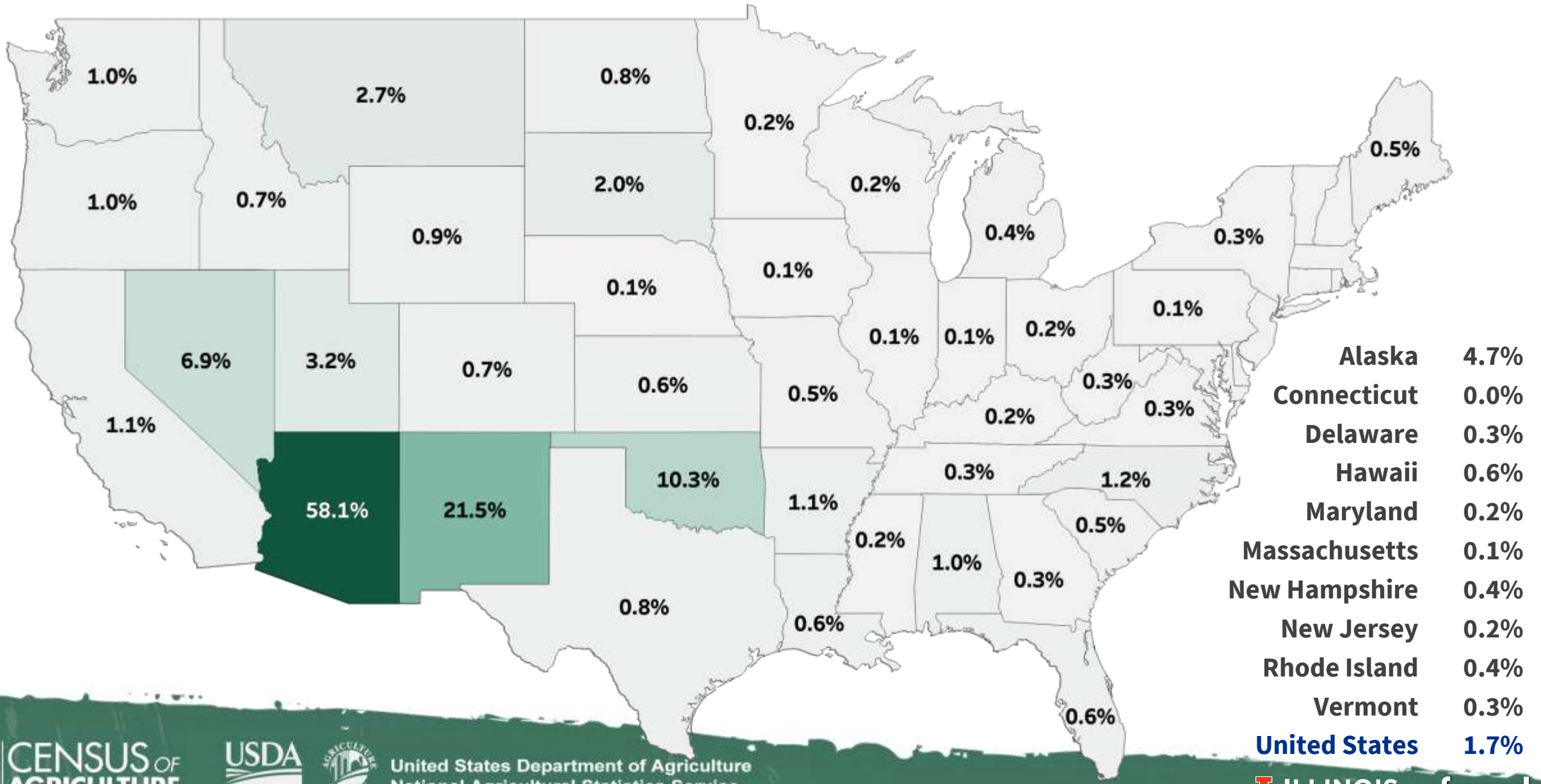
# Percent Female Producers by State



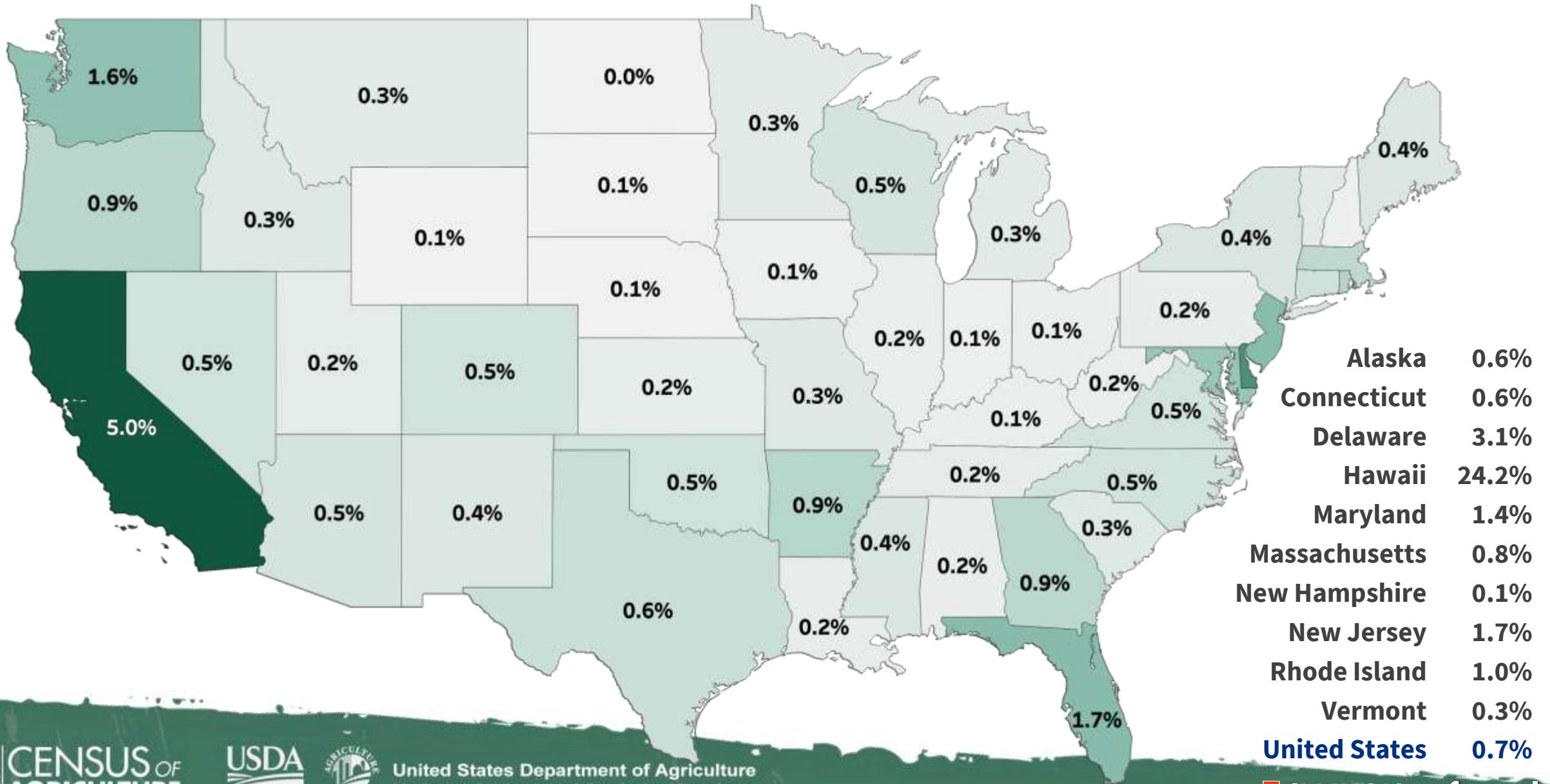
# Percent Military Producers by State



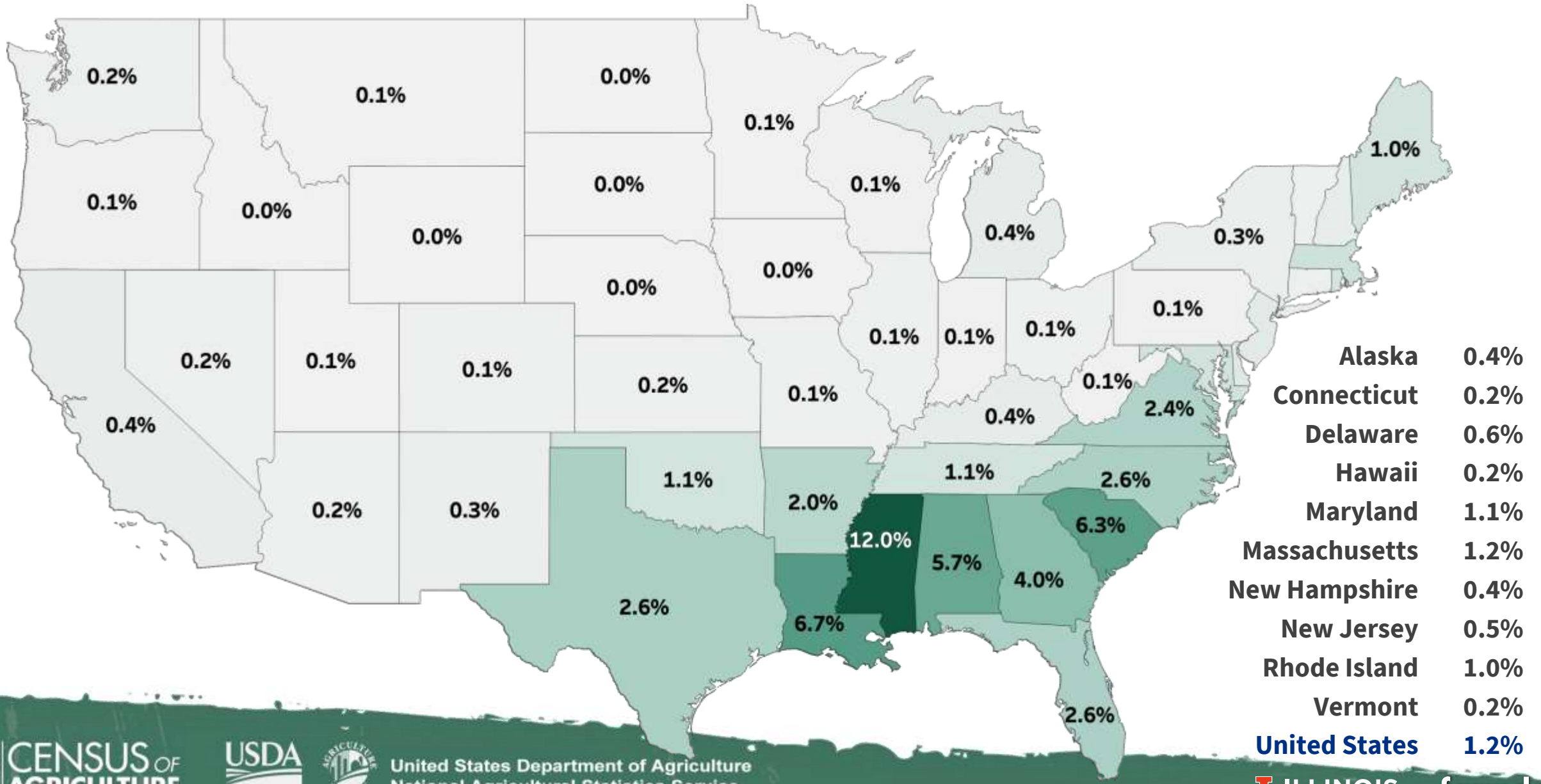
# Percent American Indian or Alaska Native by State



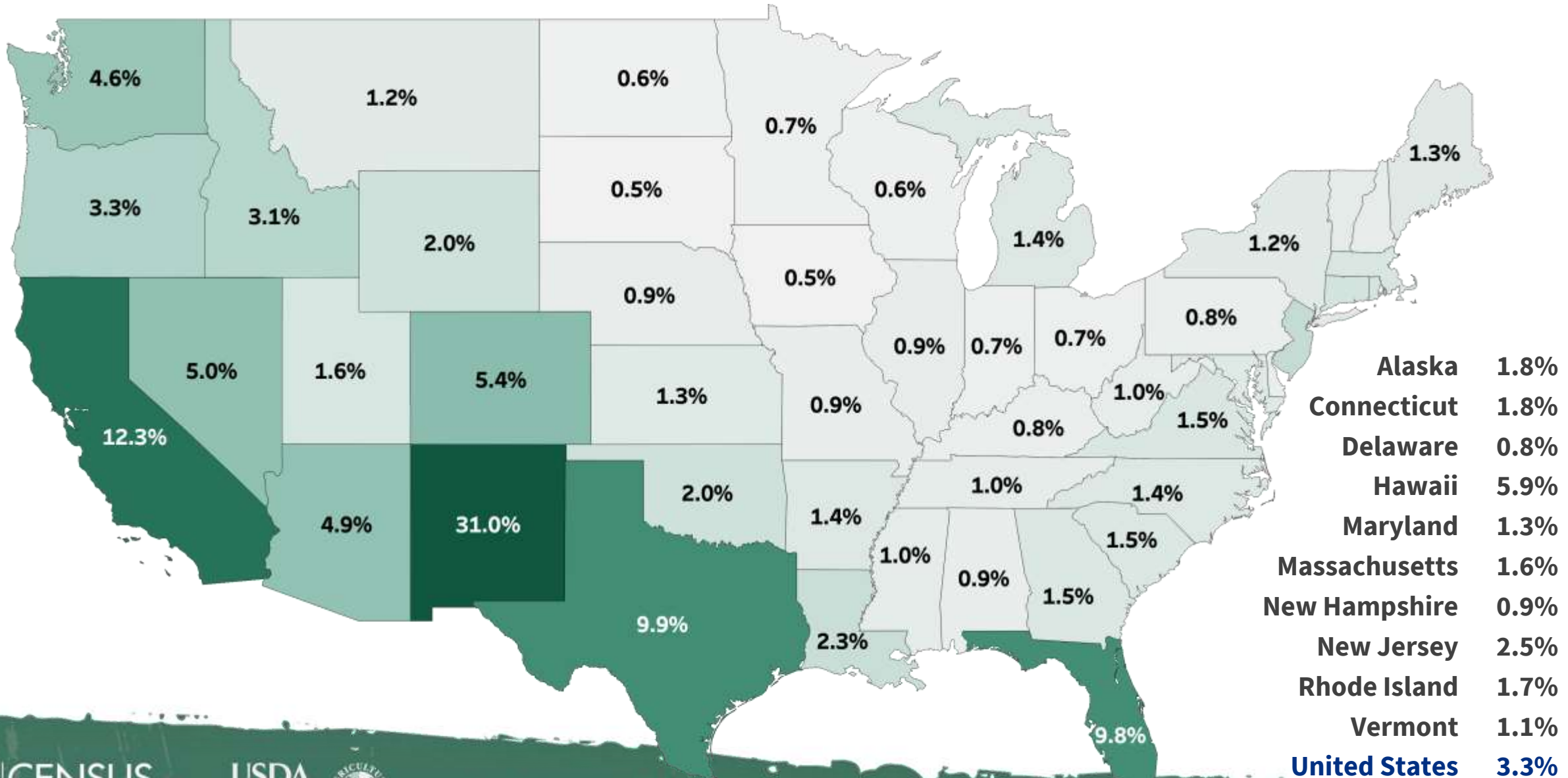
# Percent Asian Producers by State



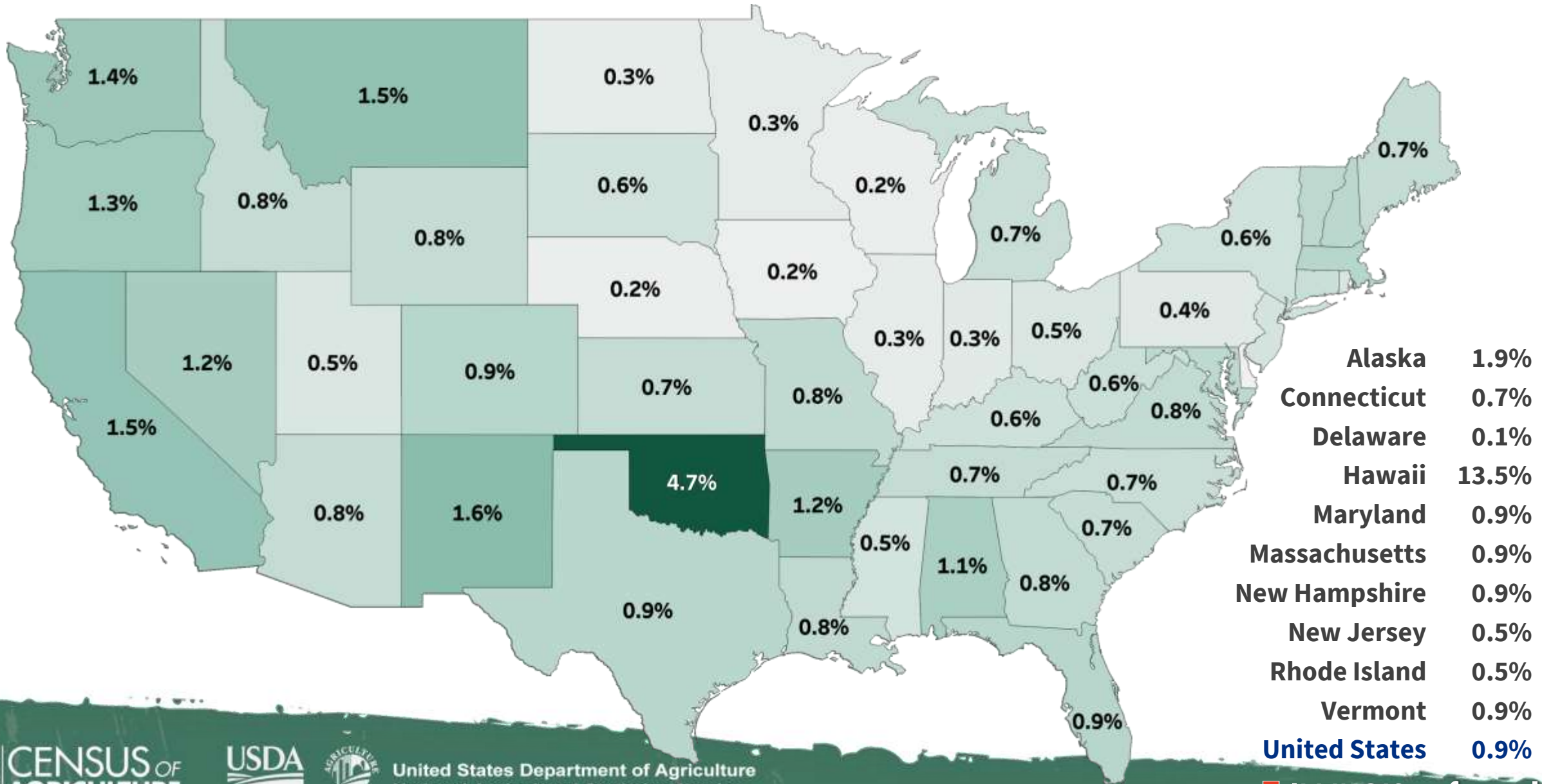
# Percent Black or African American Producers by State



# Percent Hispanic Producers by State

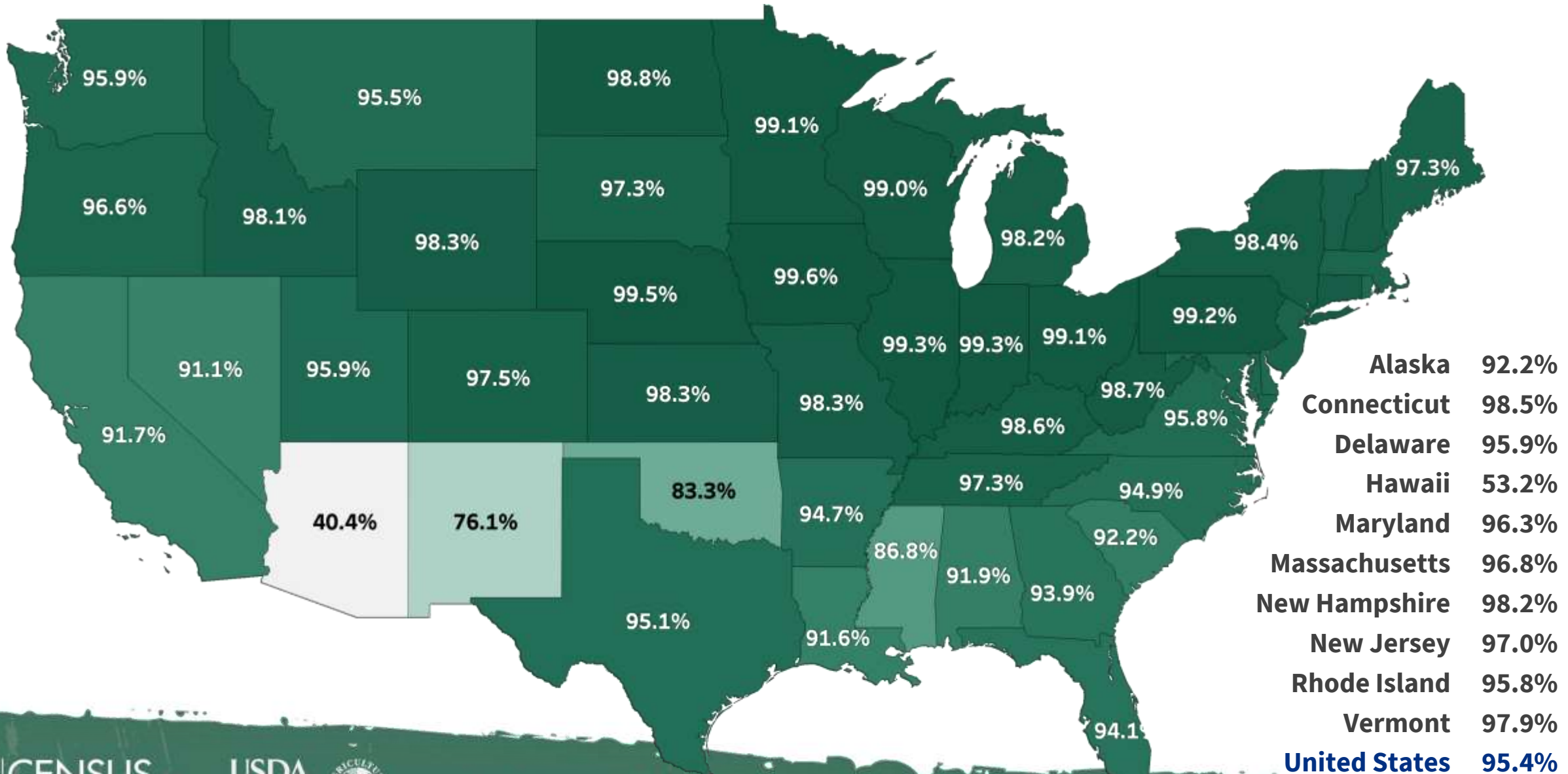


# Percent Multi-Race Producers by State

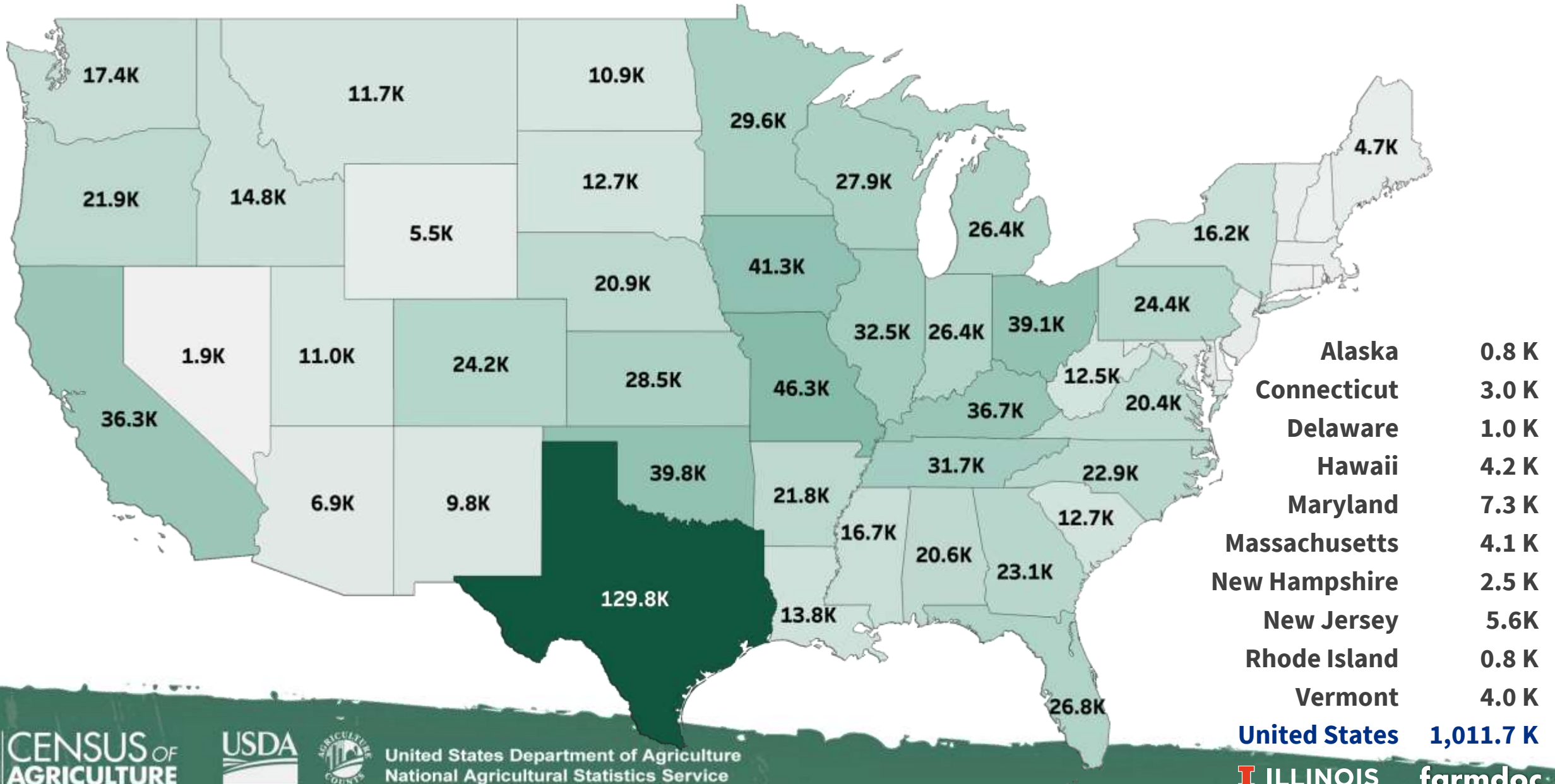




# Percent White Producers by State



# New and Beginning Producers by State





# Livestock

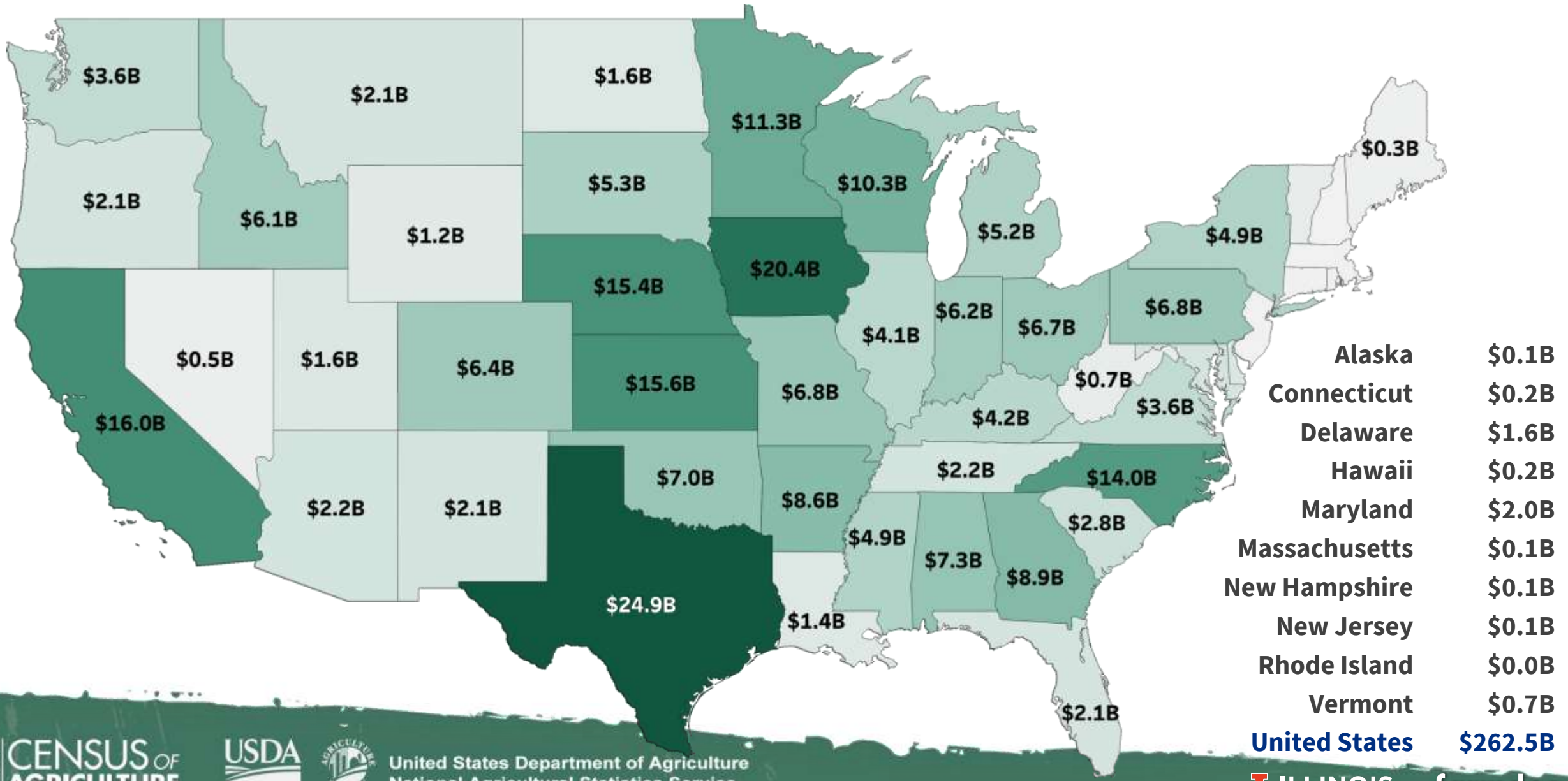


# What state do you think had the largest sales of livestock and livestock products (eggs, milk, etc.)?

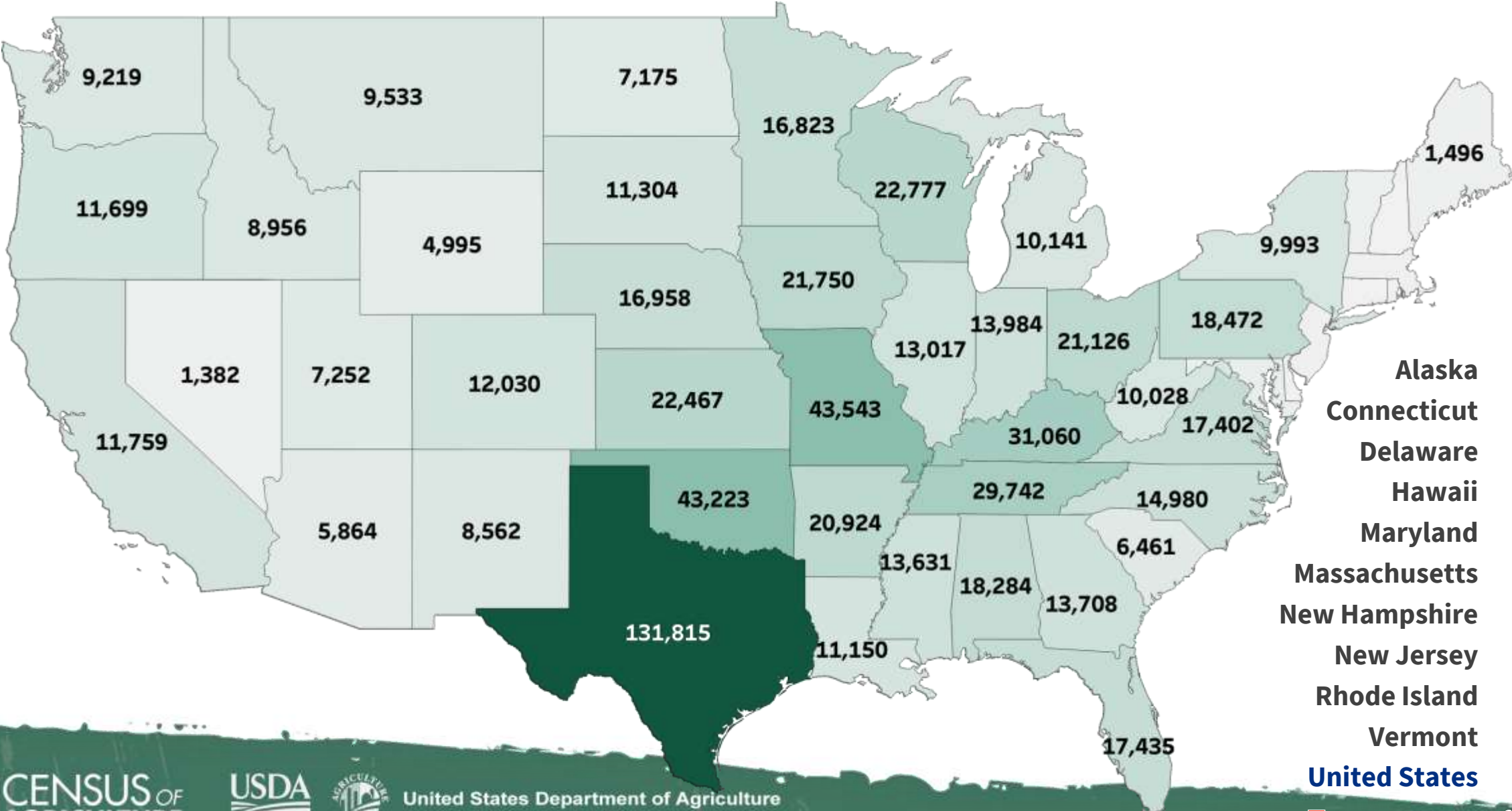
- Illinois
- Iowa
- Texas
- Kansas
- Nebraska



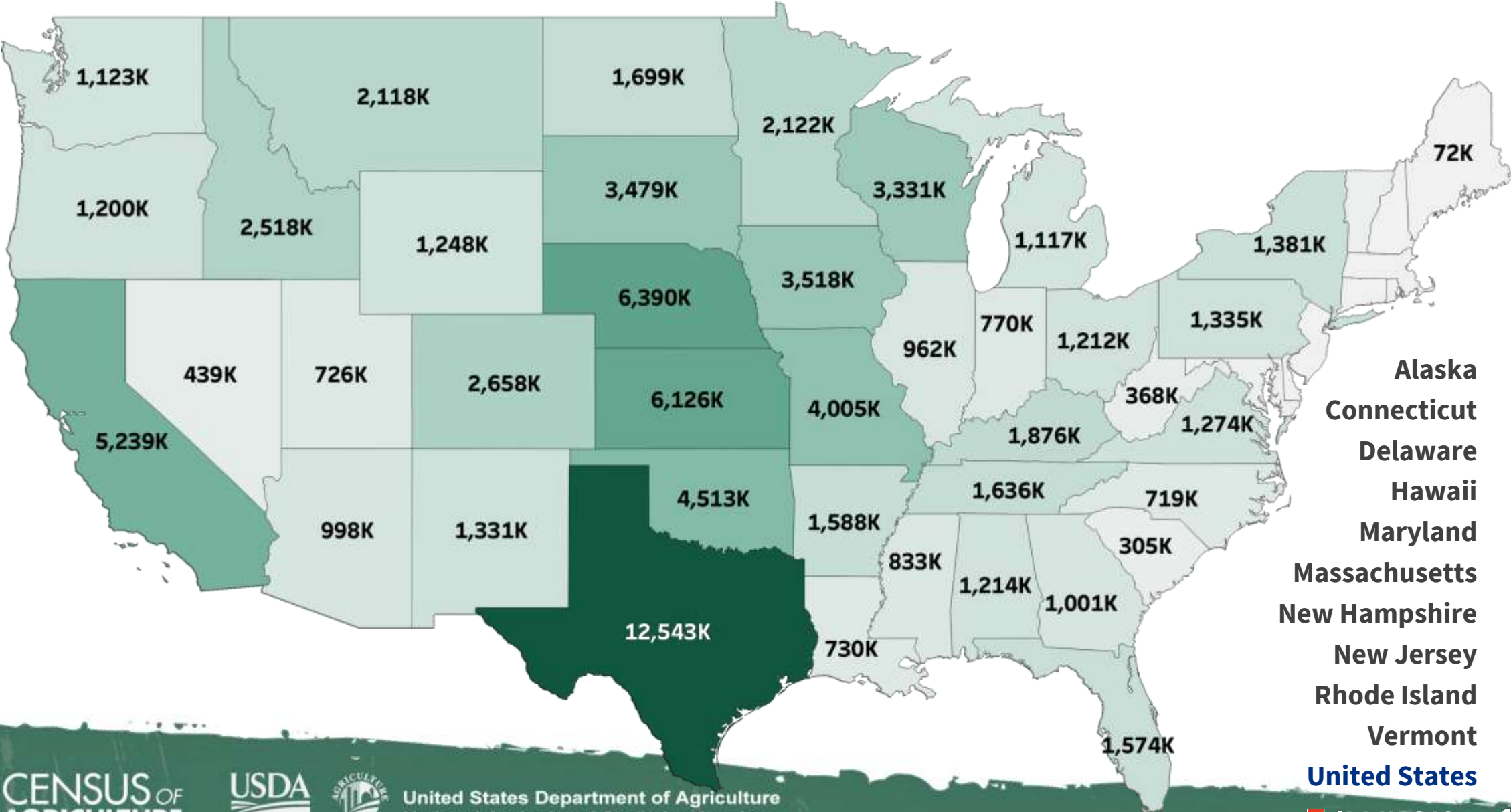
# Livestock Sales



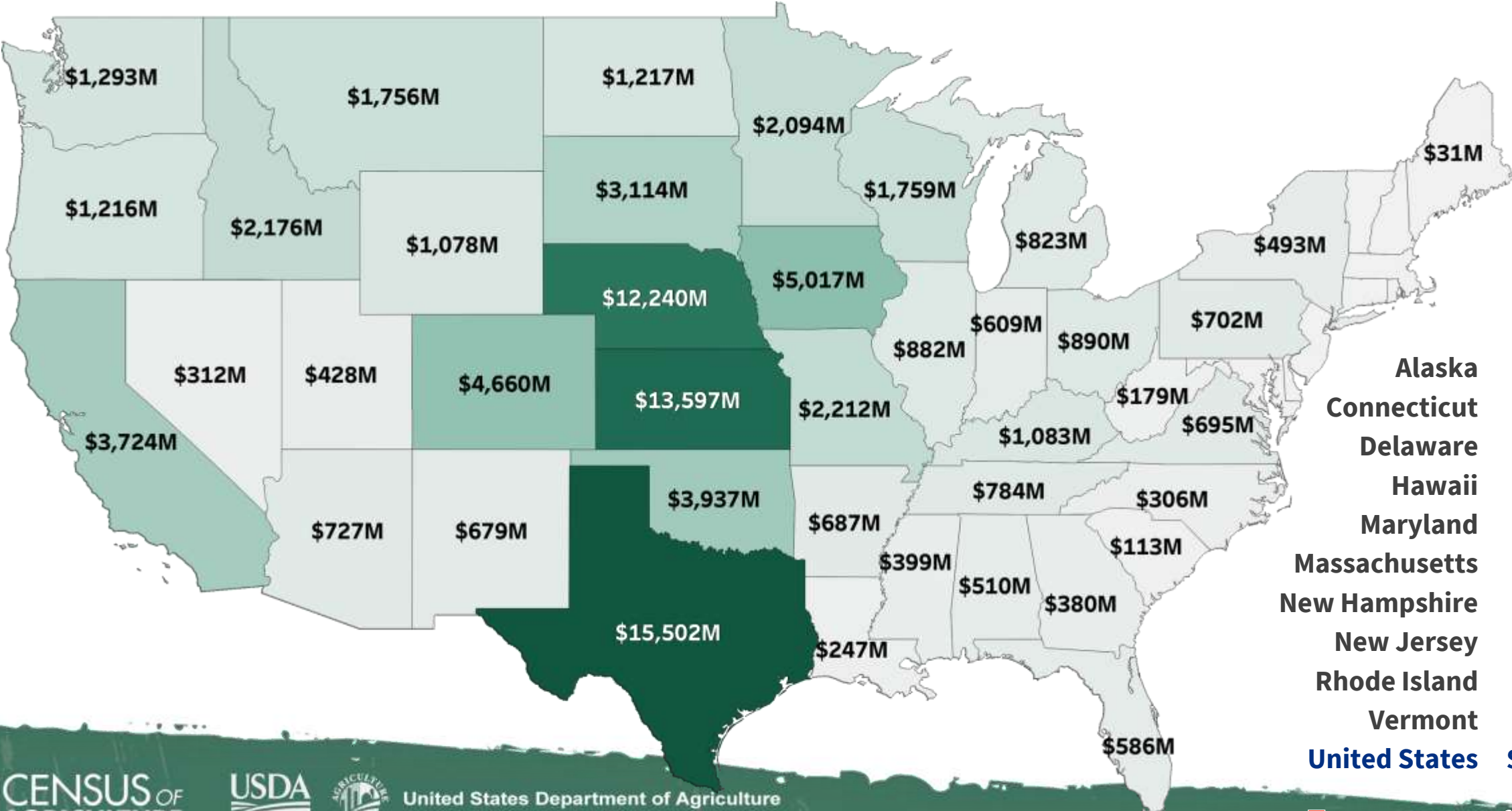
# Cattle Farms



# Cattle Inventory

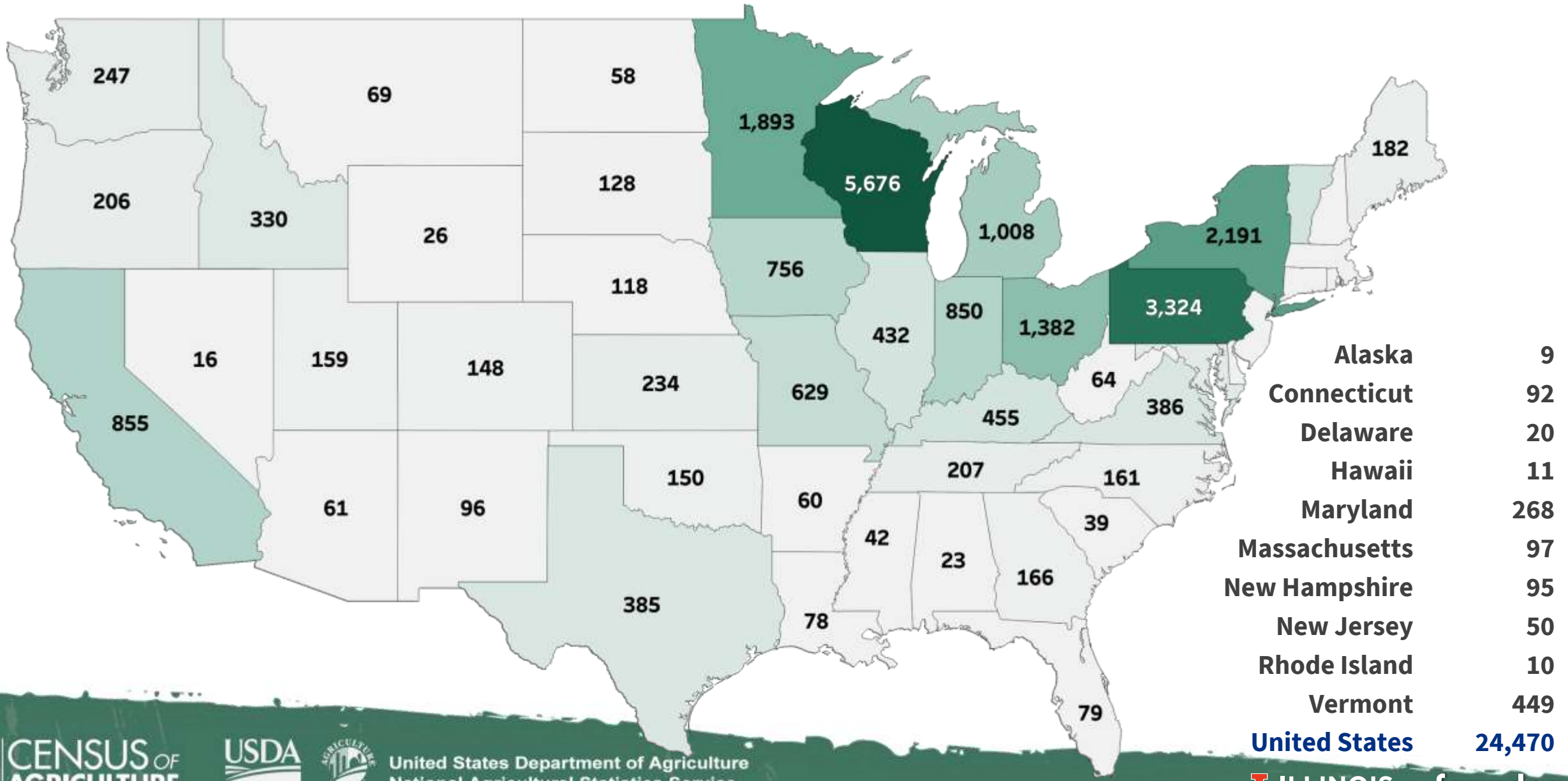


# Cattle Sales

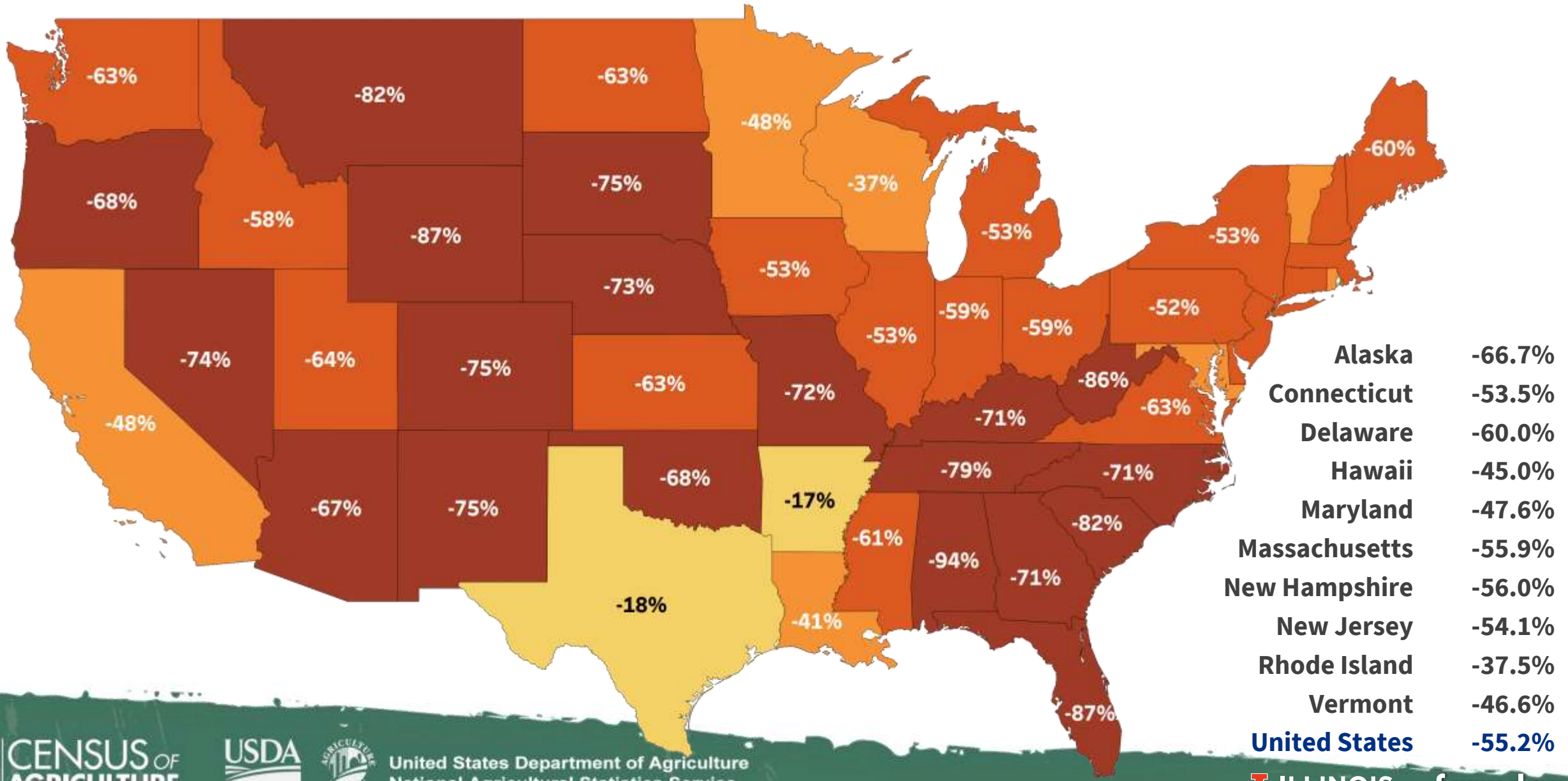




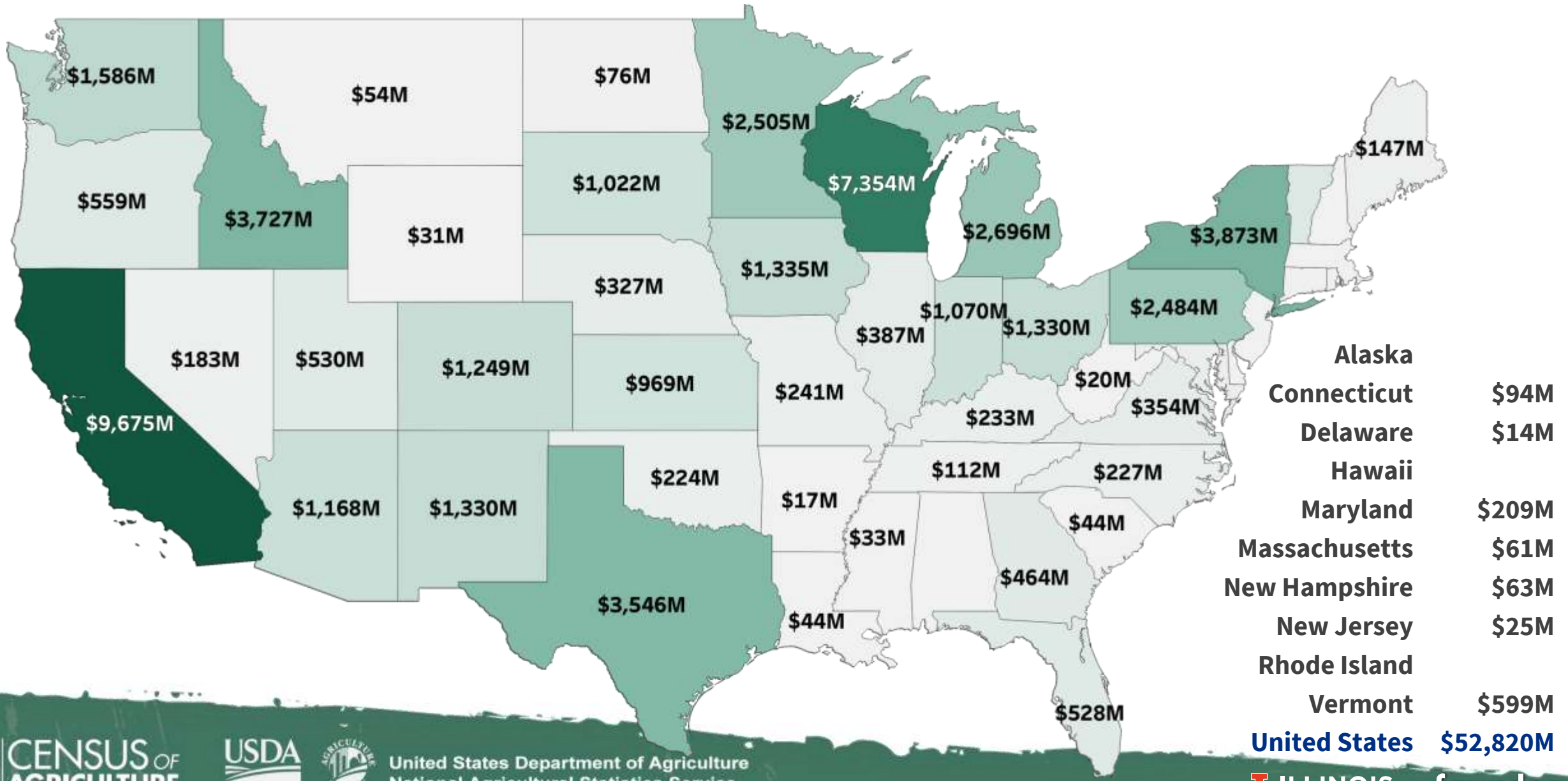
# Dairy Farms



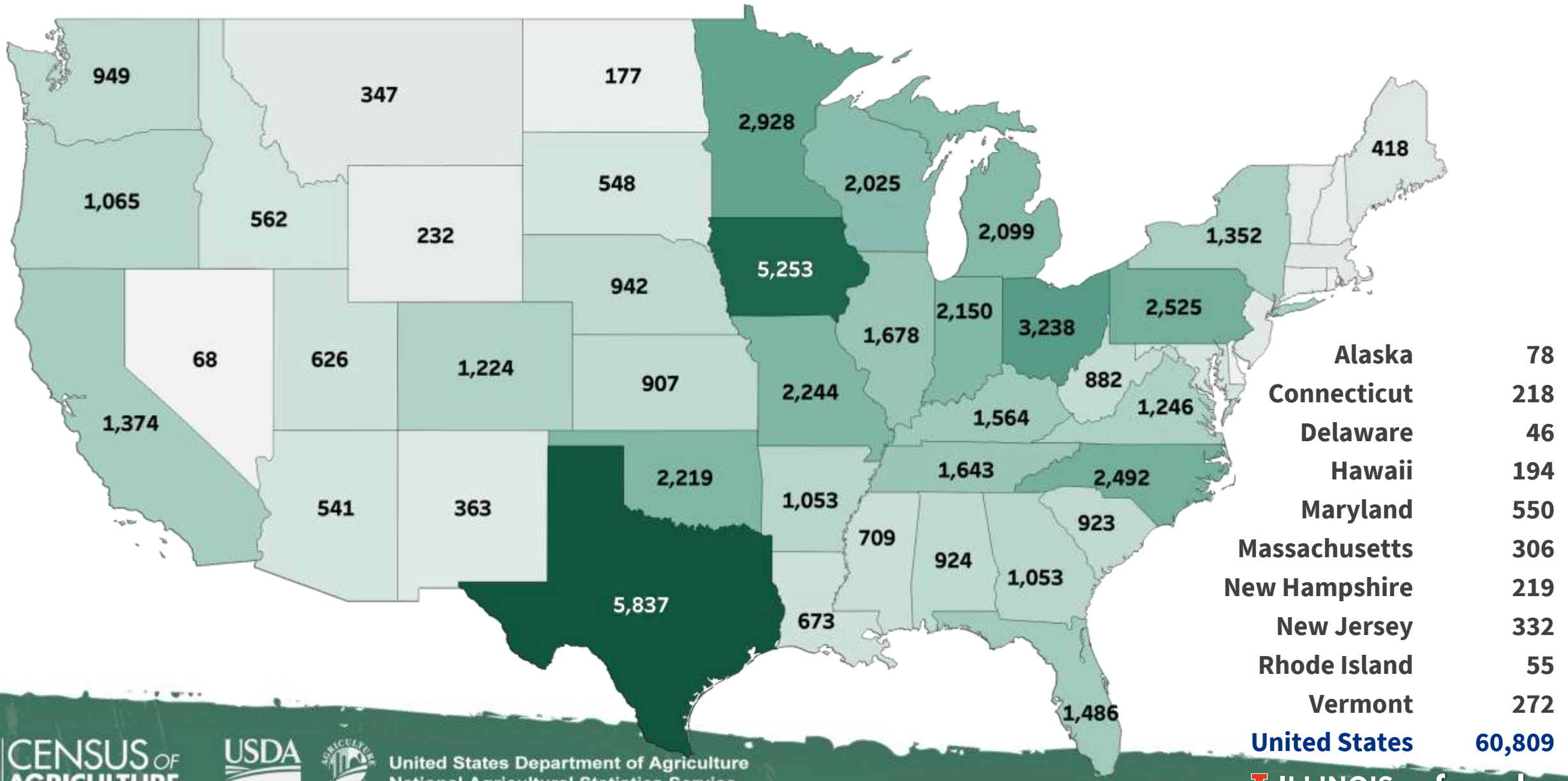
# Percent Change in Dairy Farms



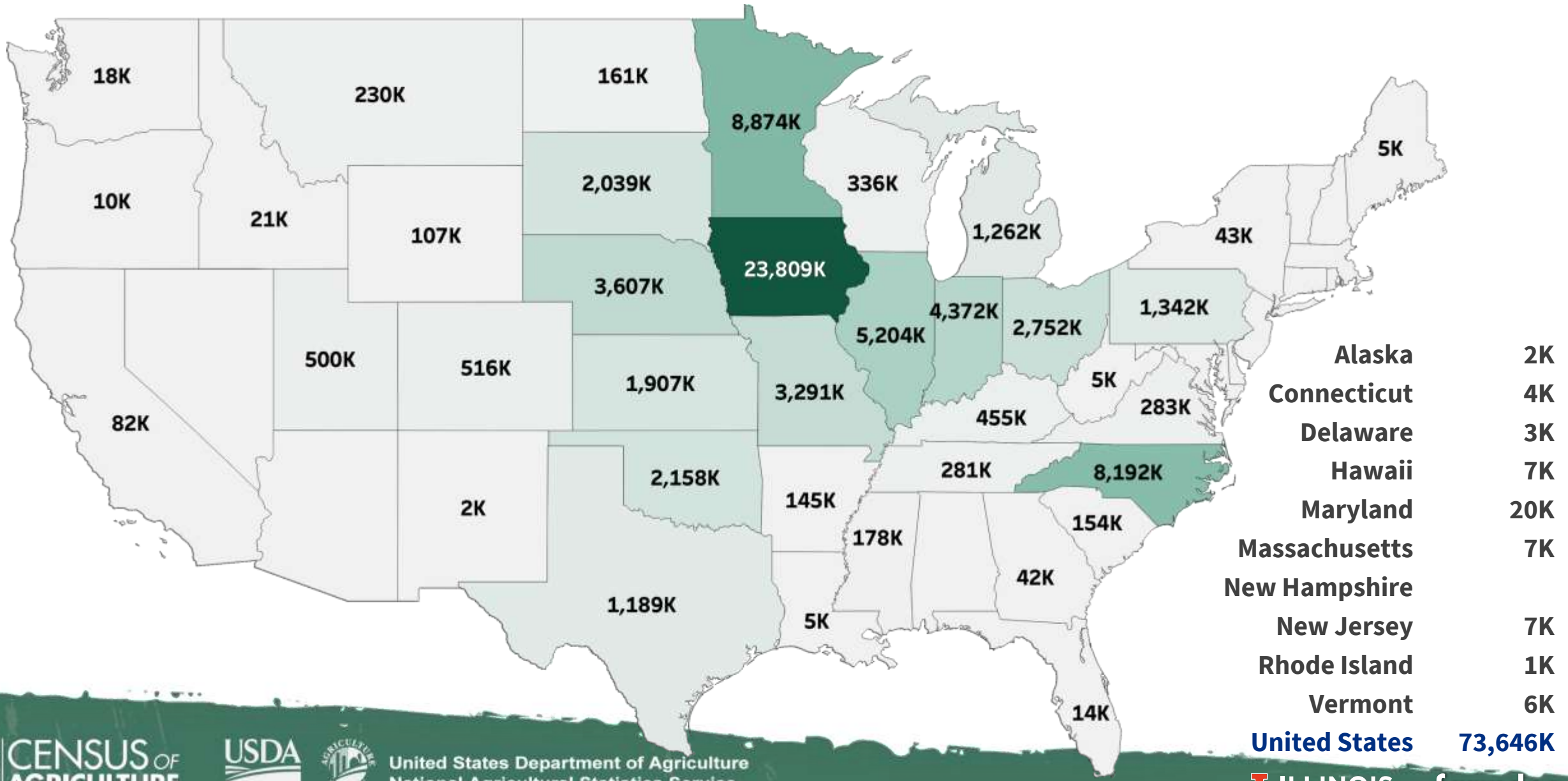
# Milk Sales



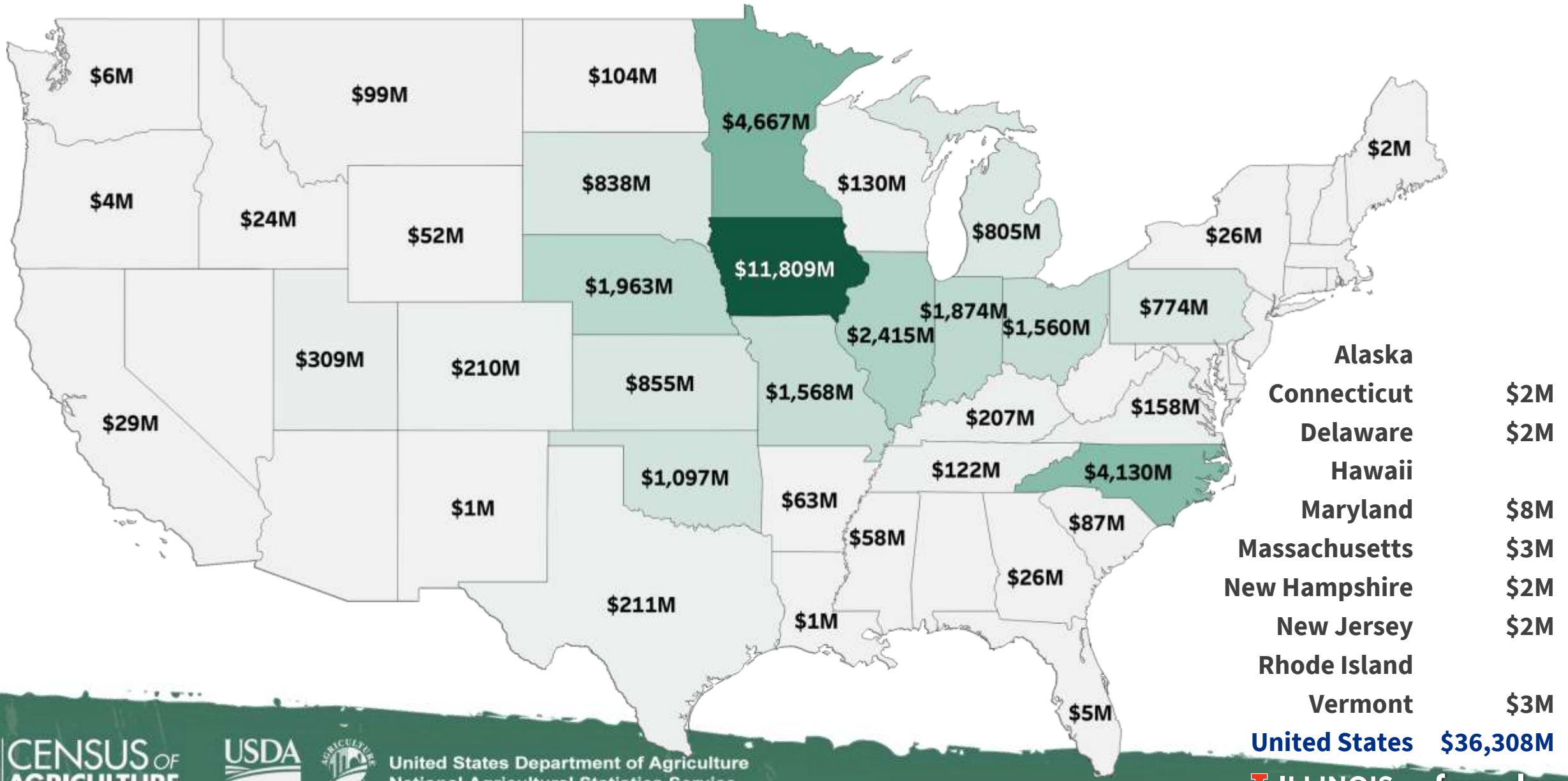
# Hog Farms



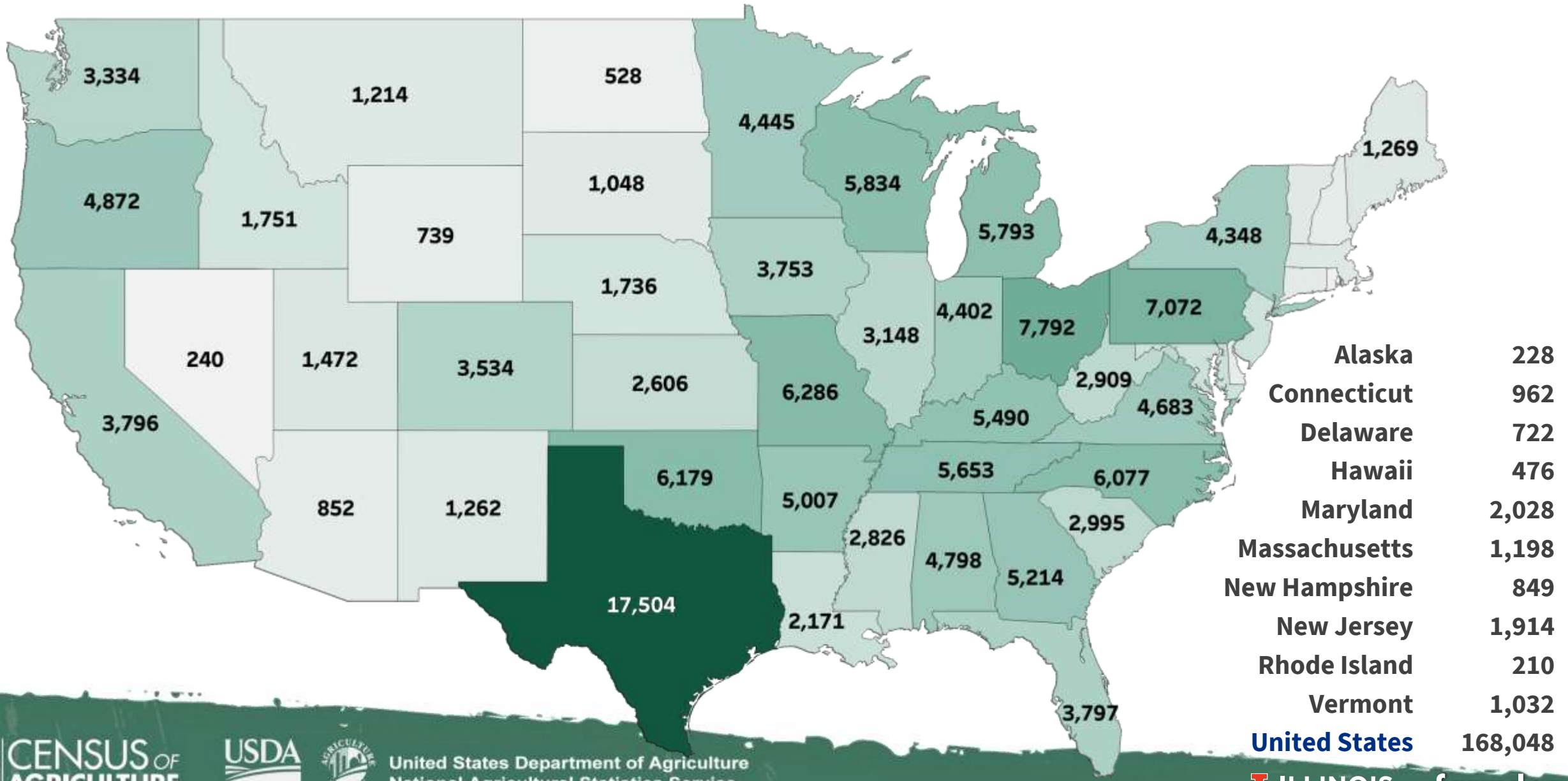
# Hog Inventory



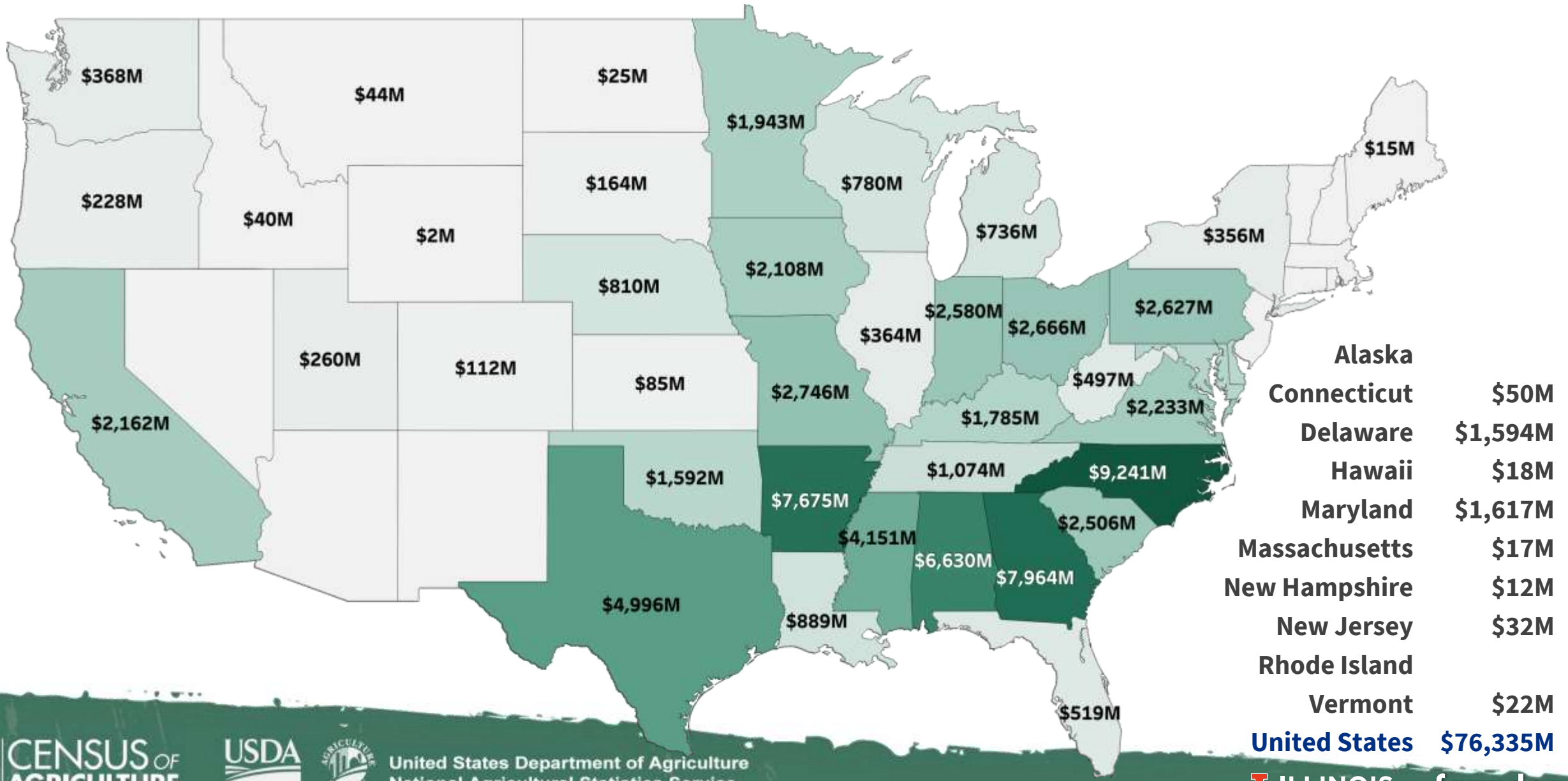
# Hog Sales



# Poultry Farms



# Poultry Sales



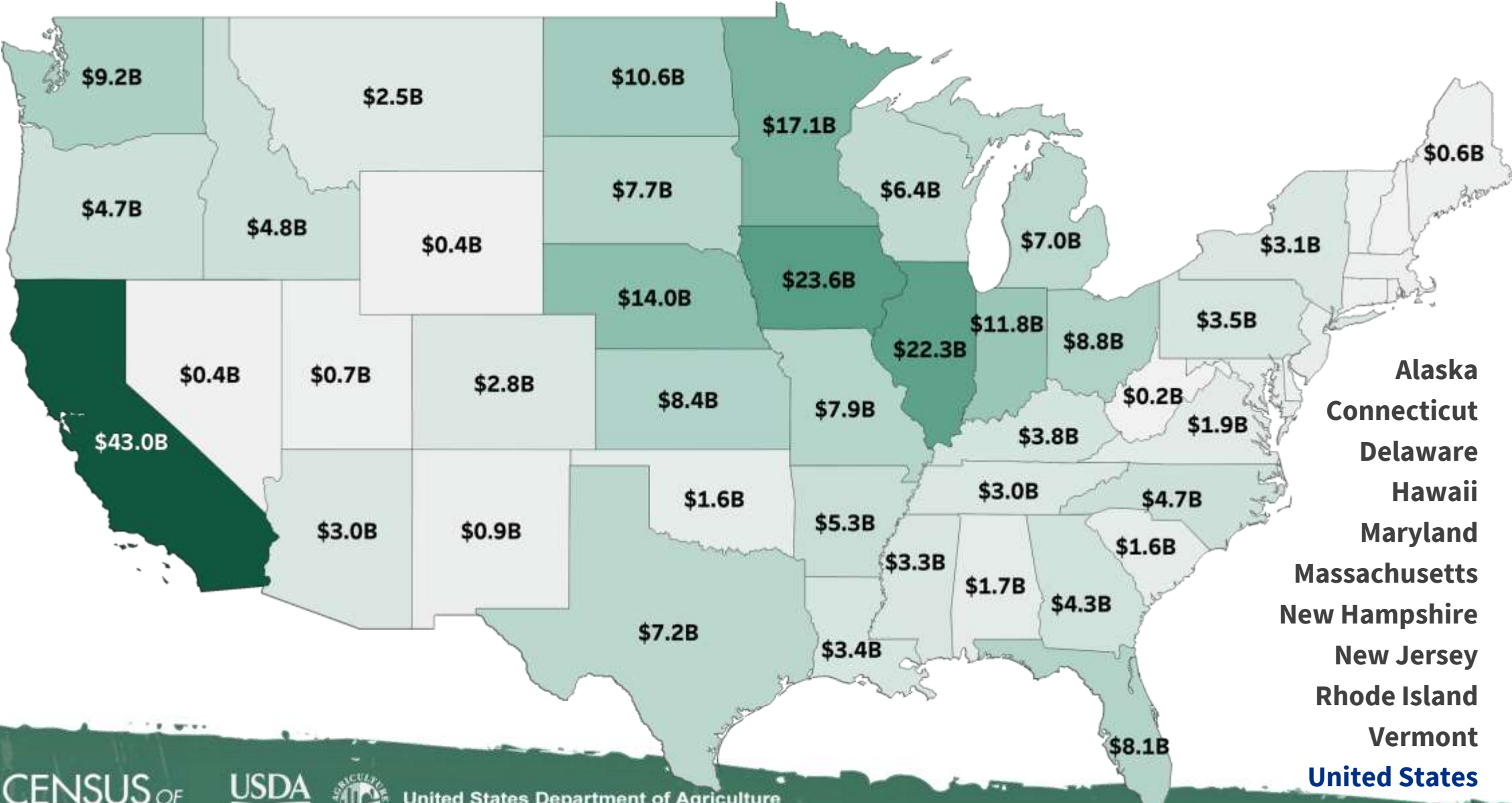




# Crops



# Crop Sales



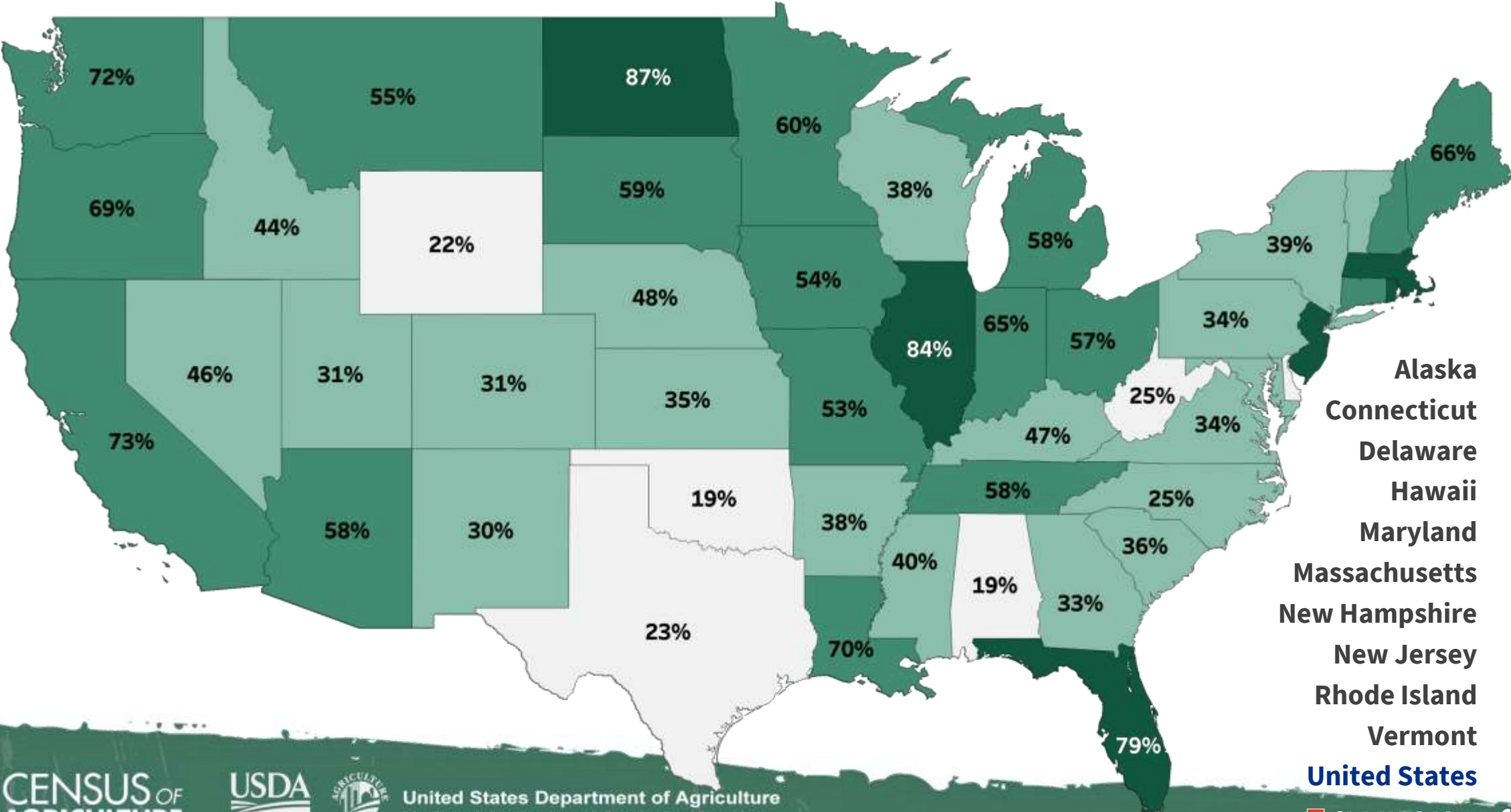
Alaska	\$0.0B
Connecticut	\$0.5B
Delaware	\$0.5B
Hawaii	\$0.5B
Maryland	\$1.4B
Massachusetts	\$0.5B
New Hampshire	\$0.1B
New Jersey	\$1.4B
Rhode Island	\$0.1B
Vermont	\$0.3B
<b>United States</b>	<b>\$280.6B</b>

# What state do you think had the highest percent of total sales from crops?

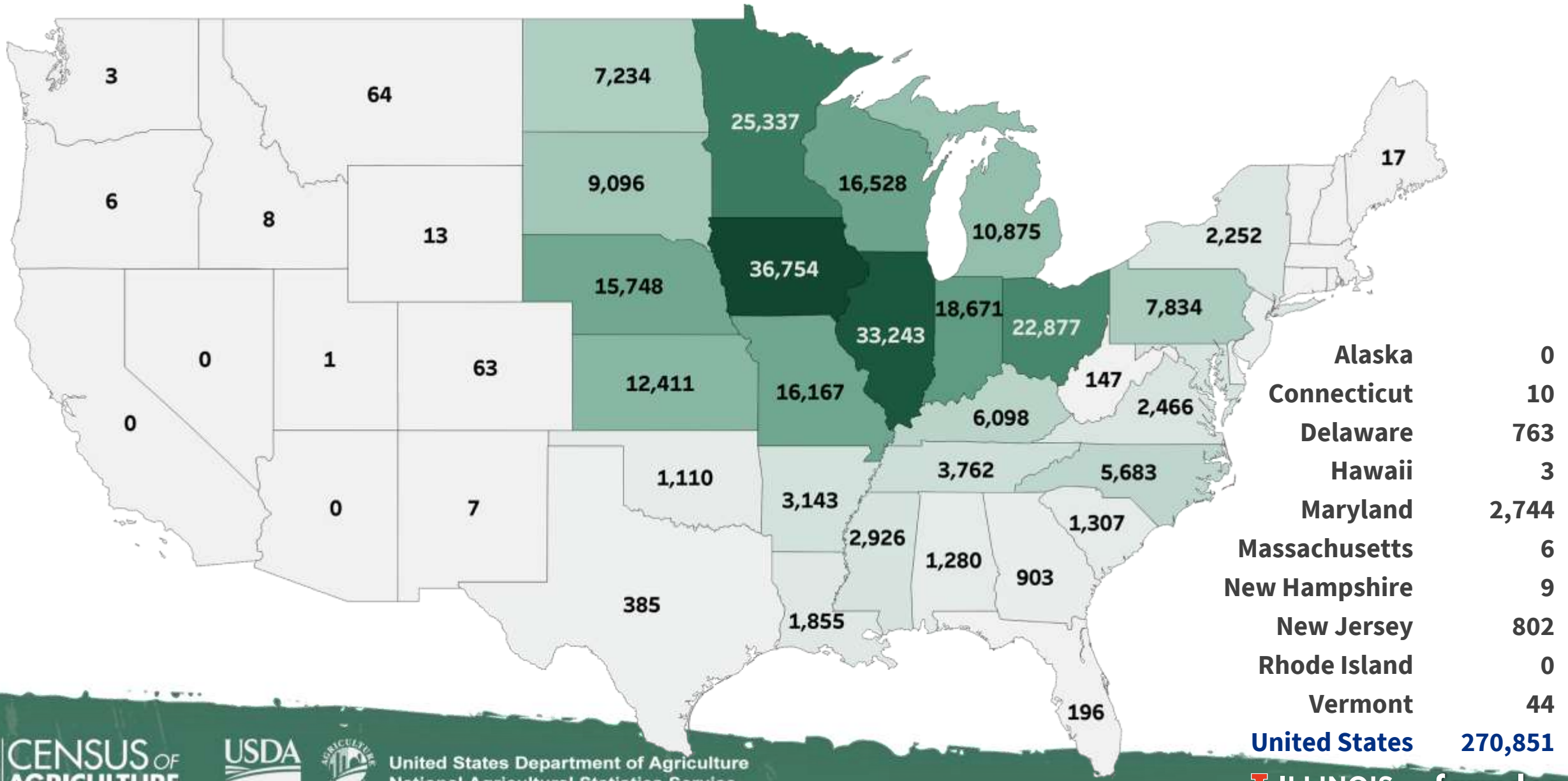
- Illinois
- North Dakota
- California
- Florida
- New Jersey



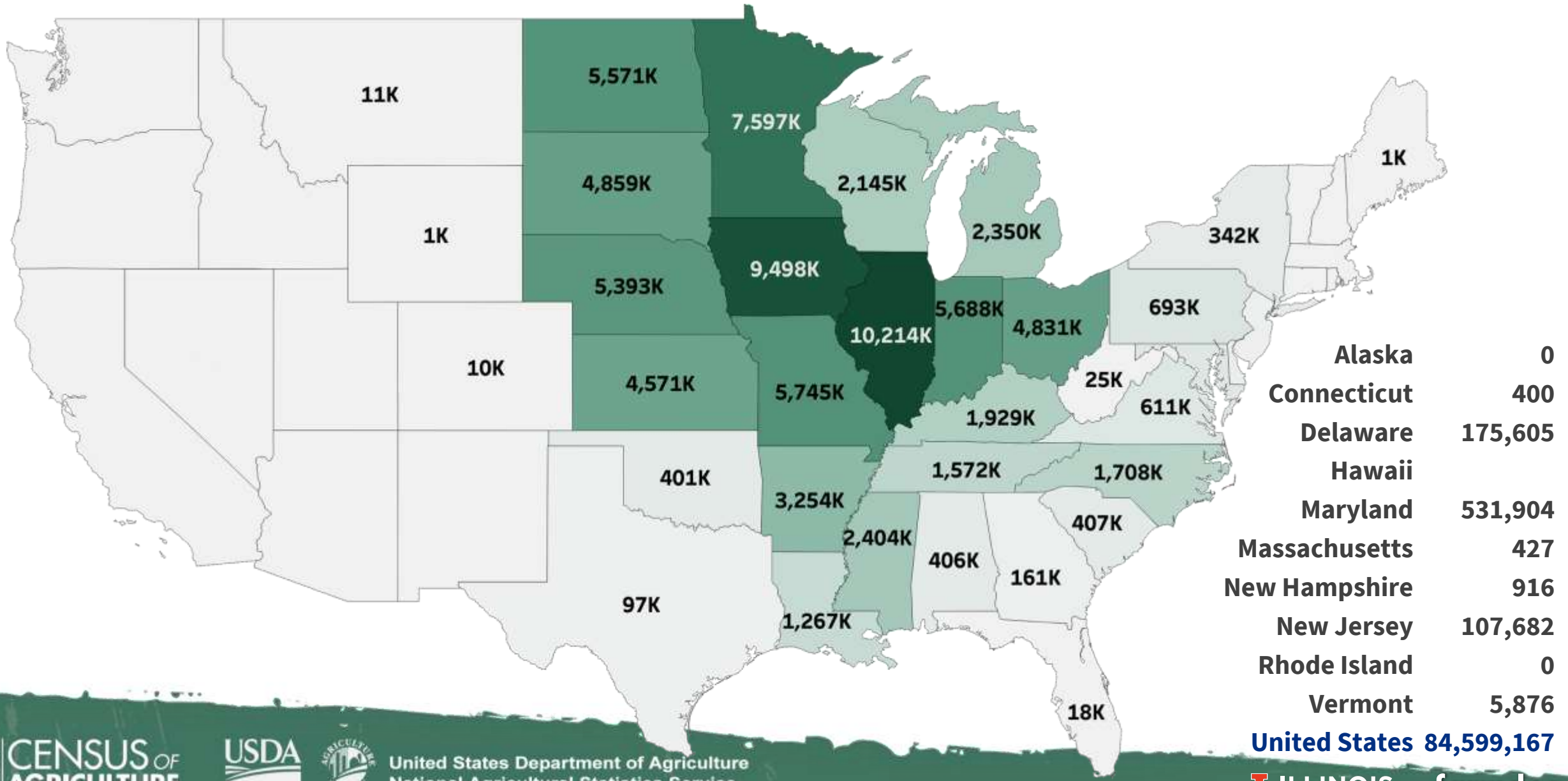
# Crop Percent of Sales



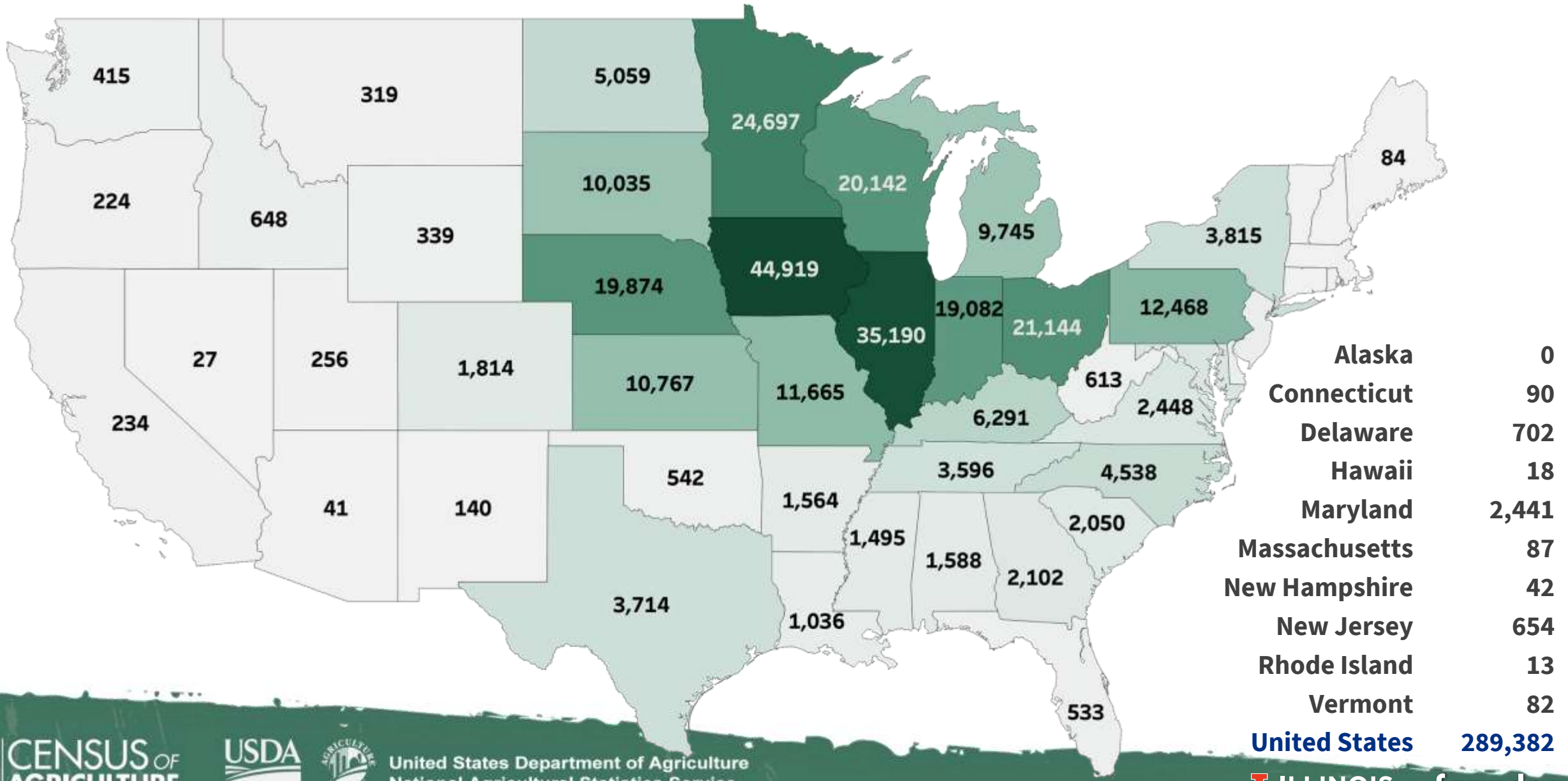
# Farms with Soybeans



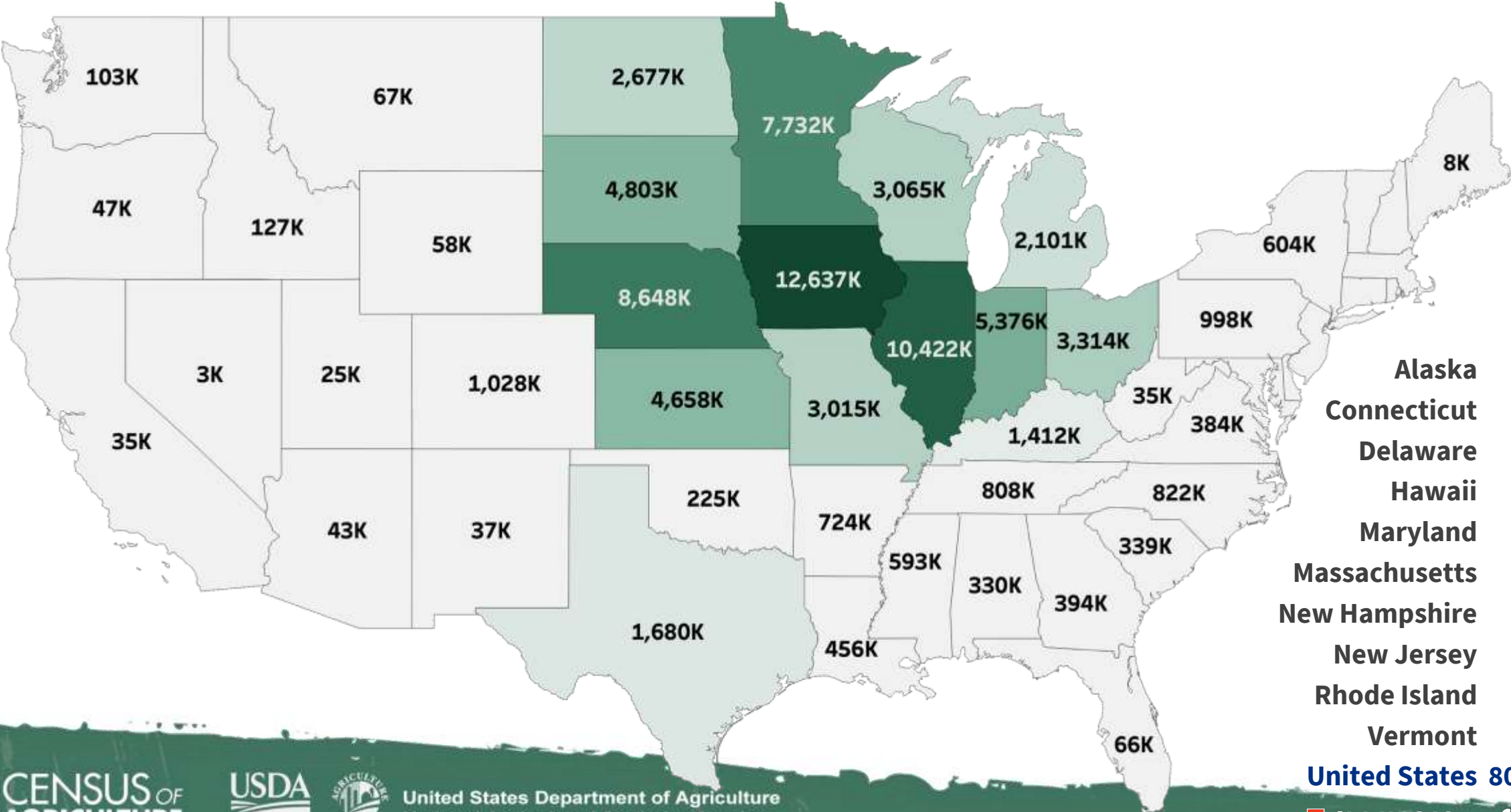
# Soybean Acres Harvested



# Farms with Corn for Grain

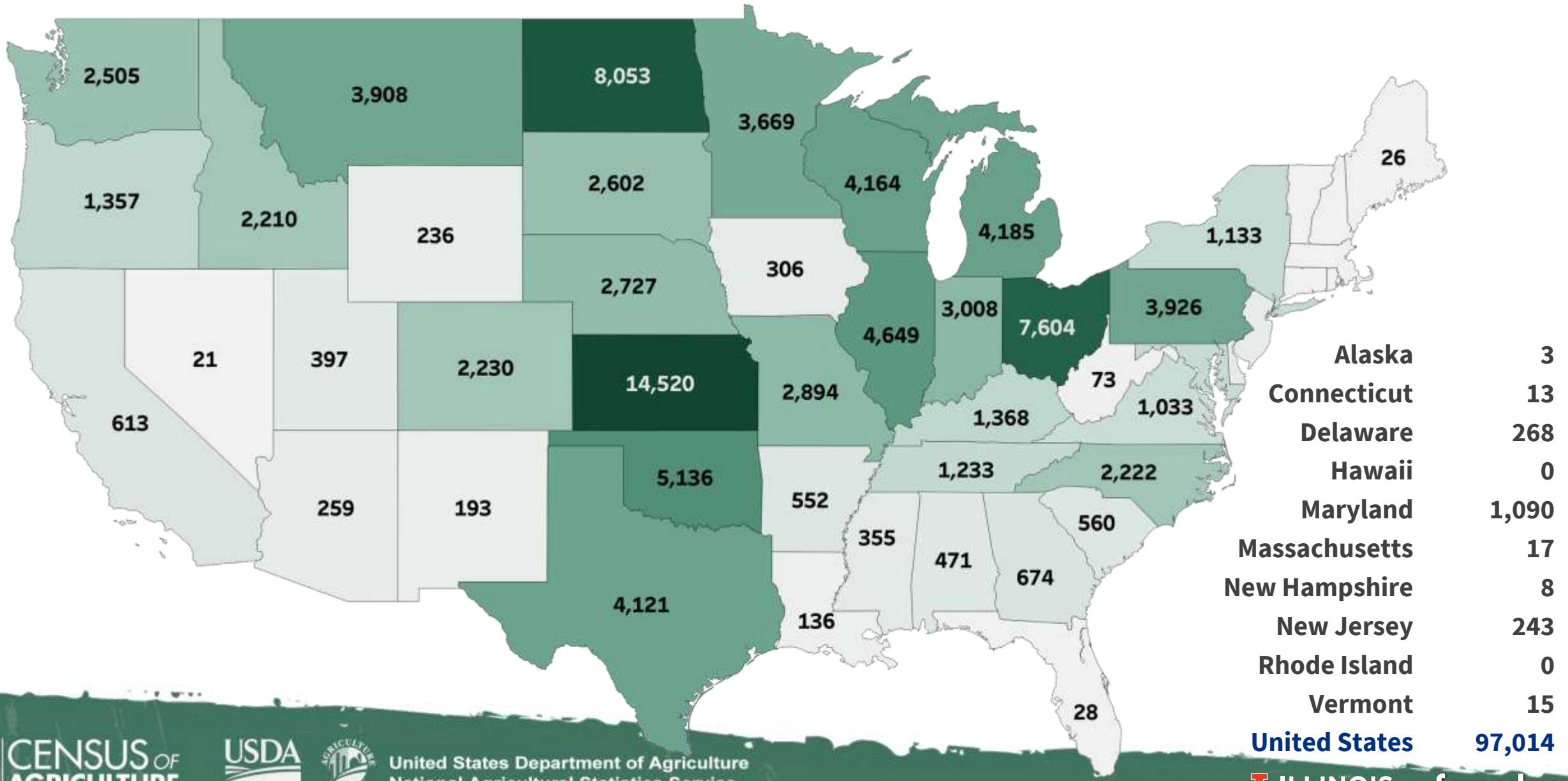


# Corn Acres Harvested

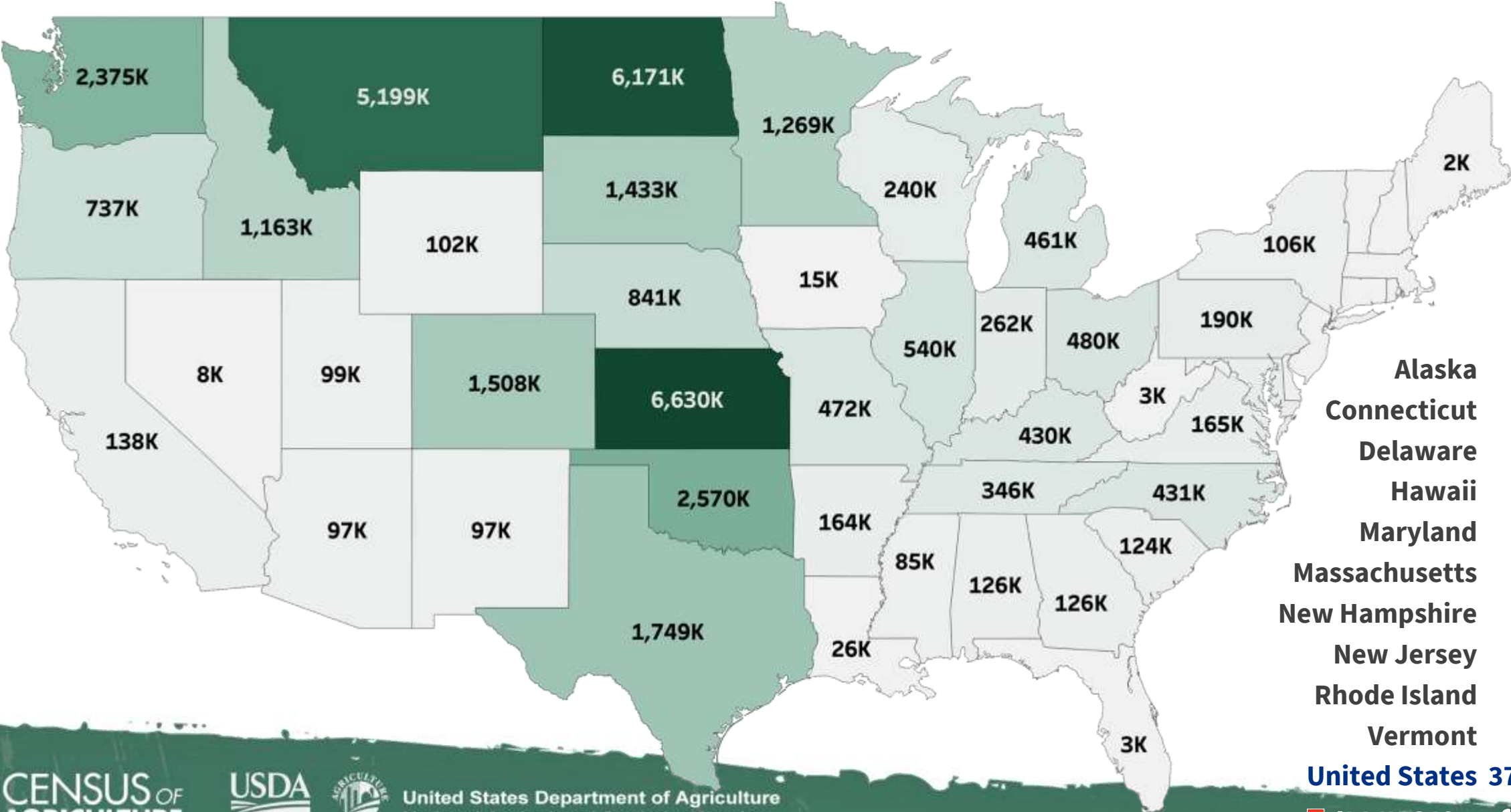




# Farms with Wheat for Grain

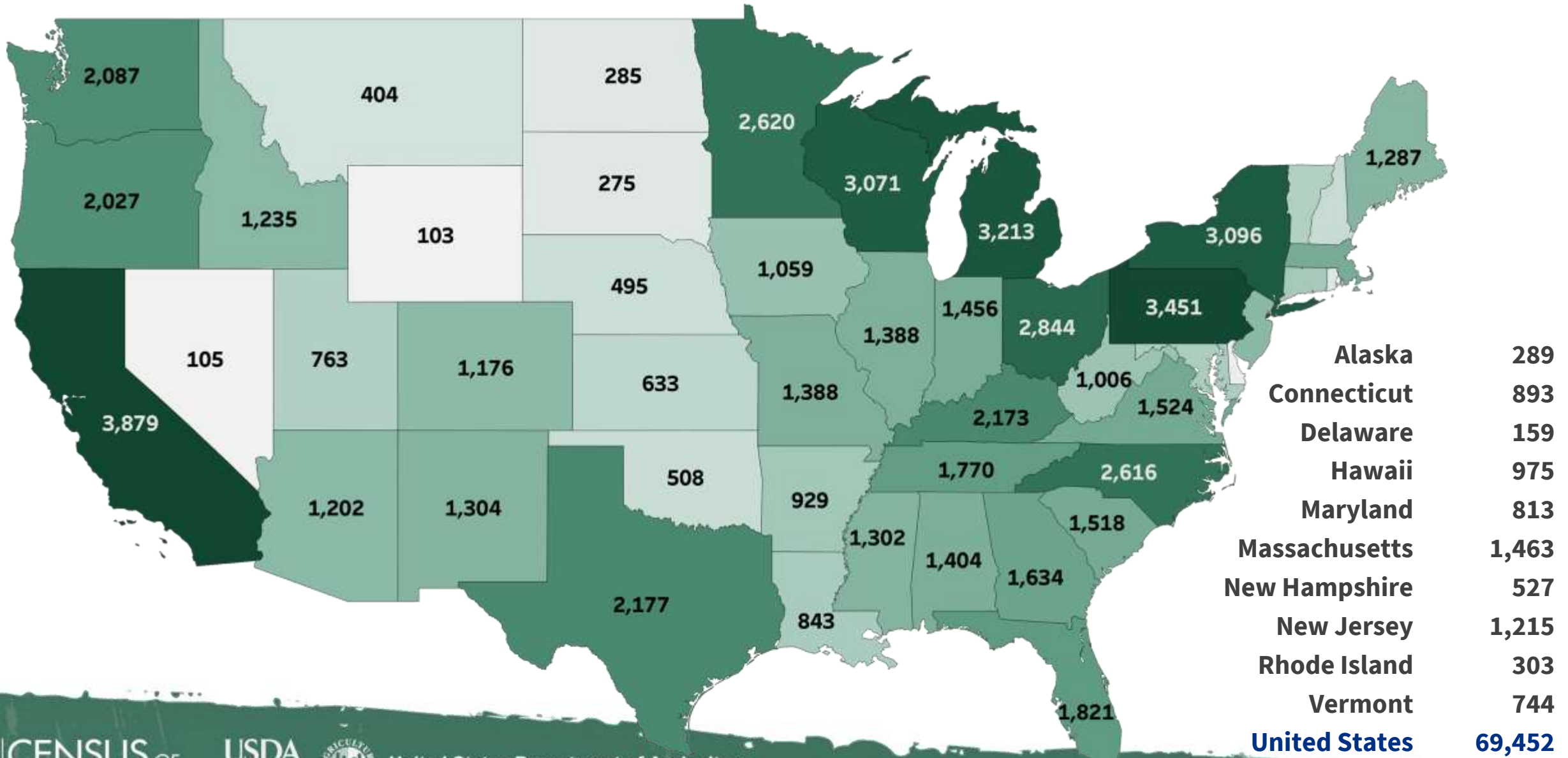


# Wheat Acres Harvest

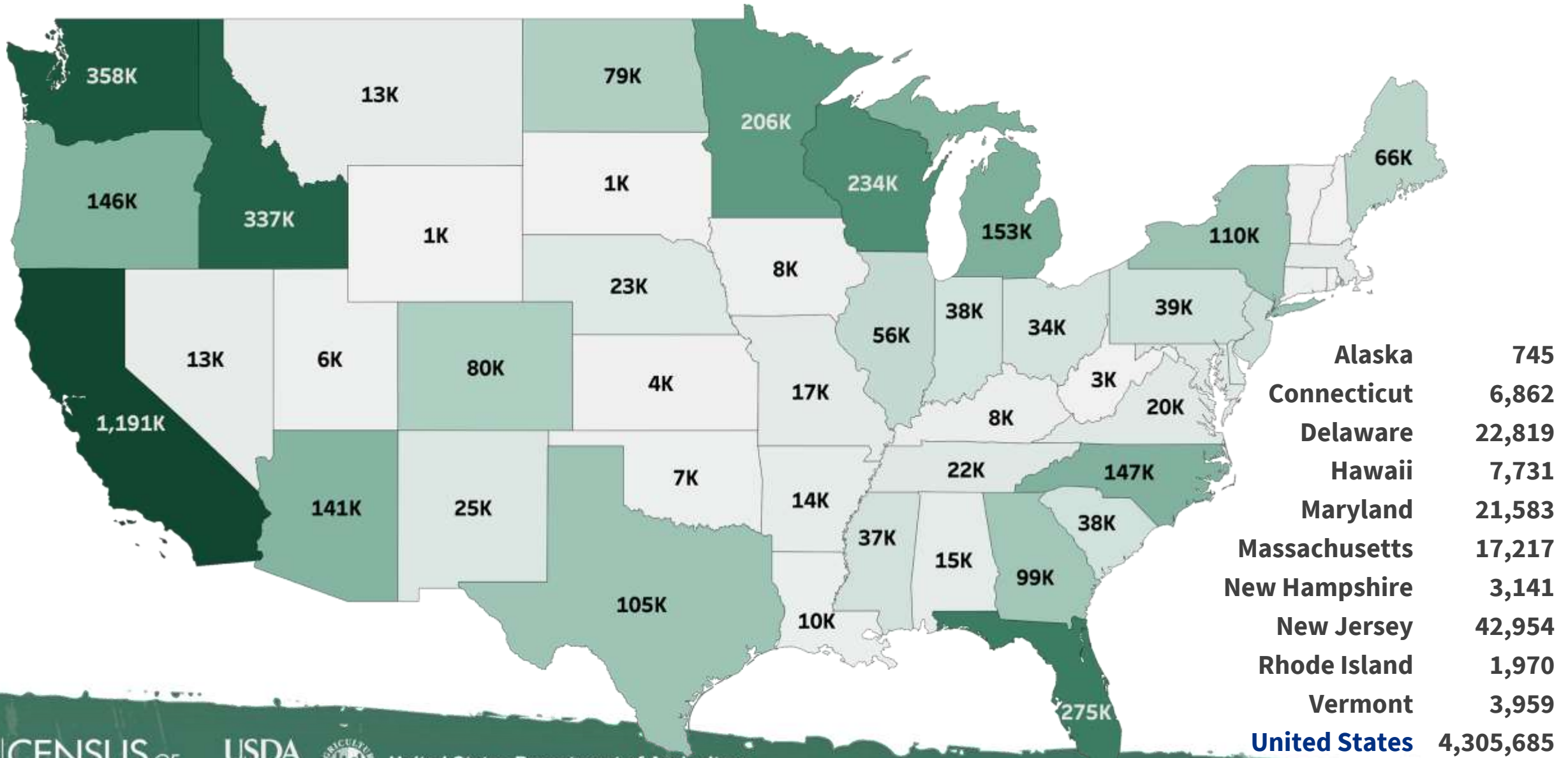


Alaska	102
Connecticut	217
Delaware	47,392
Hawaii	0
Maryland	155,307
Massachusetts	92
New Hampshire	15
New Jersey	23,729
Rhode Island	0
Vermont	1,216
<b>United States</b>	<b>37,211,994</b>

# Farms with Vegetables



# Vegetable Acres Harvested



# Upcoming Census Releases in 2024

Release Date	Release Title
March 27	Market Value of Ag Products Sold Rankings
March 27	State & County Profiles
May 15	Congressional District Profiles and Rankings
June 28	Race, Ethnicity & Gender Profiles
July 18	Puerto Rico
July 24	Watersheds
August 29	American Indian Reservations
October 17	Specialty Crops
November 7	Zip Code Tabulations
November 14	2023 Irrigation and Water Management Survey
December 16	2023 Census of Aquaculture

# NASS survey results on March 28, 2024



Ask NASS's Acting ASB Chair  
Lance Honig about the  
**Prospective Plantings and  
Grain Stocks** reports in our  
live X #StatChat.



**THU,  
MAR 28**

**@ 1:15PM ET**

@usda\_nass

# Thank you to all the farmers and ranchers that responded to the Census of Agriculture!

Every individual response is confidential by law, and exempt from legal process, including the Freedom of Information Act.



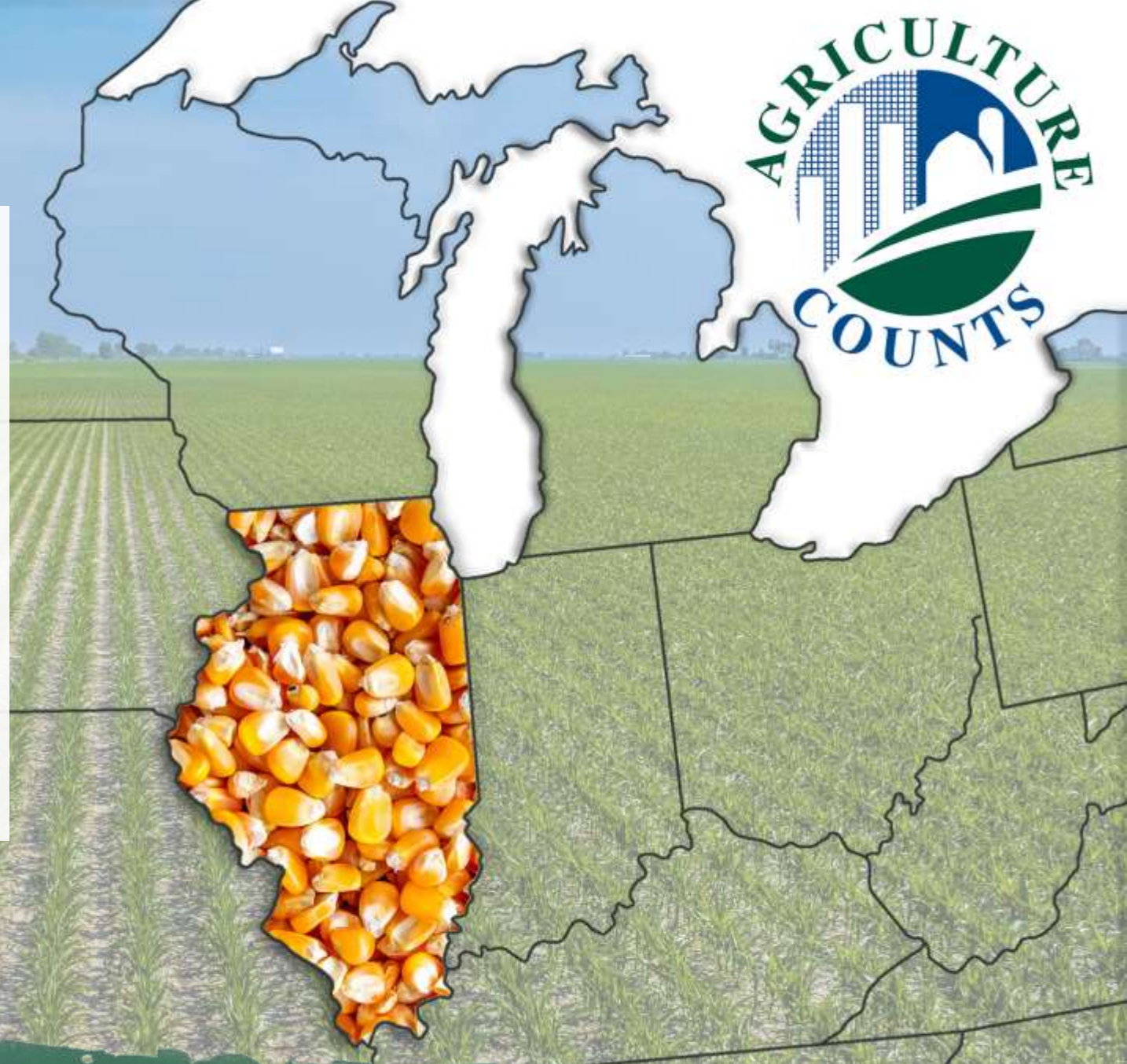
**March 14, 2024**

**11am to noon central time**

# **The Changing Face of American Agriculture**

**Insights from the 2022  
USDA Census of Agriculture**

**Focus on the Midwest and Illinois**





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