



The Changing Face of American Agriculture

Insights from the 2022 USDA Census of Agriculture

Focus on the Midwest



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Illinois State Statistician

farmdoc

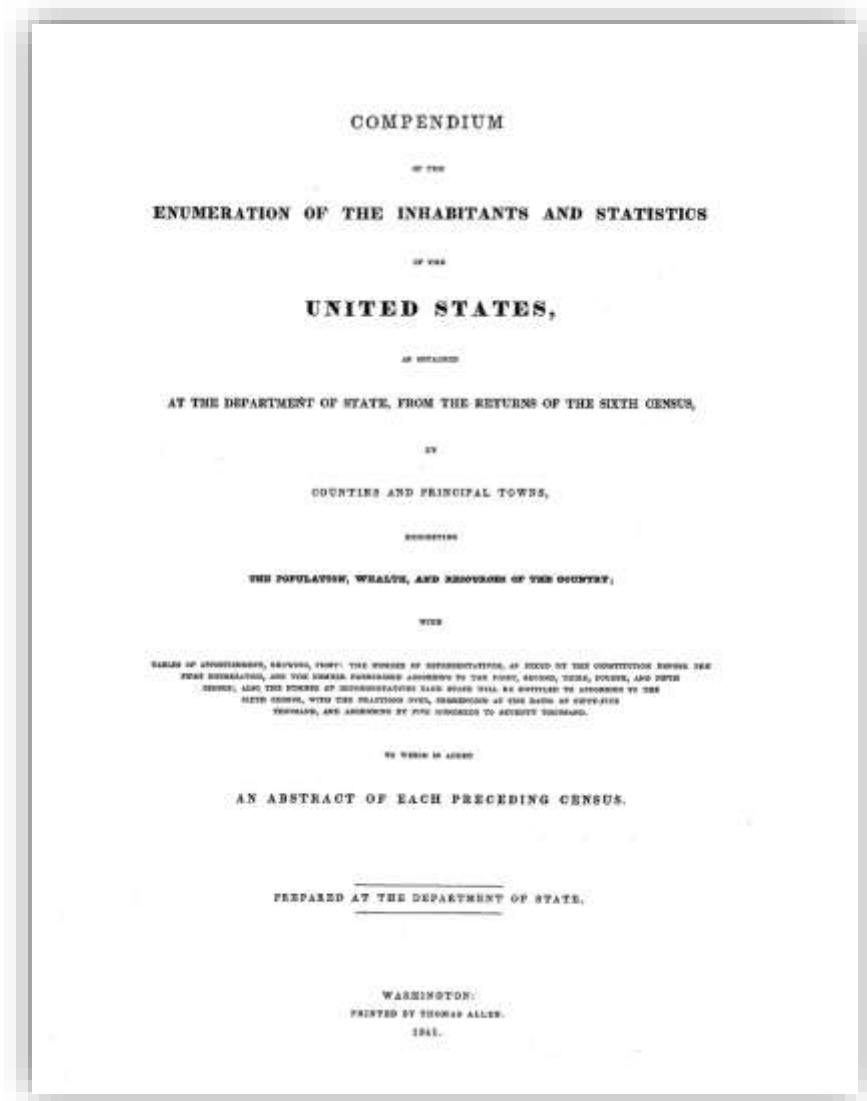


College of Agricultural,
Consumer &
Environmental Sciences
UNIVERSITY OF ILLINOIS URBANA-CHAMPAIGN

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

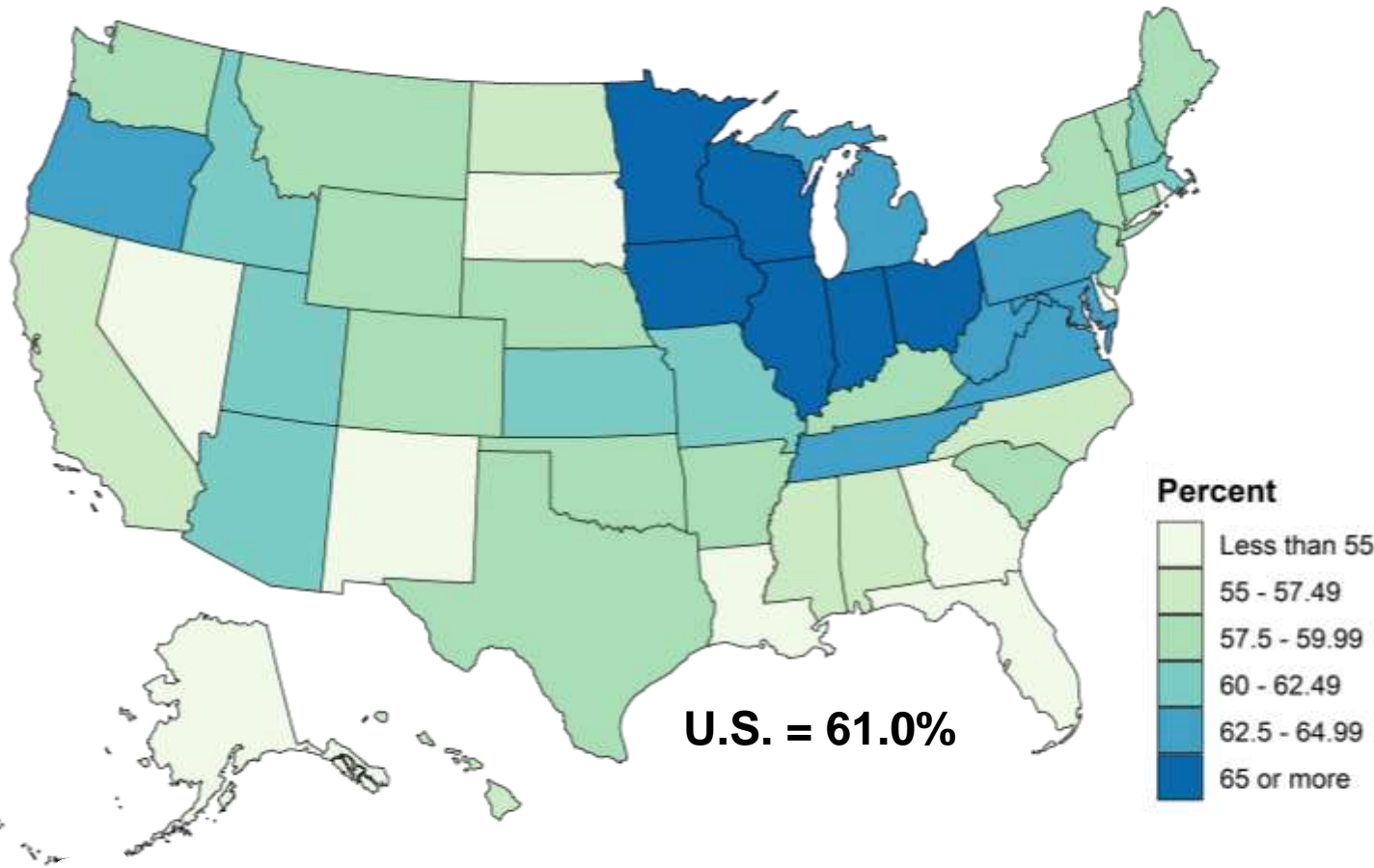
Farms and Land in Farms

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

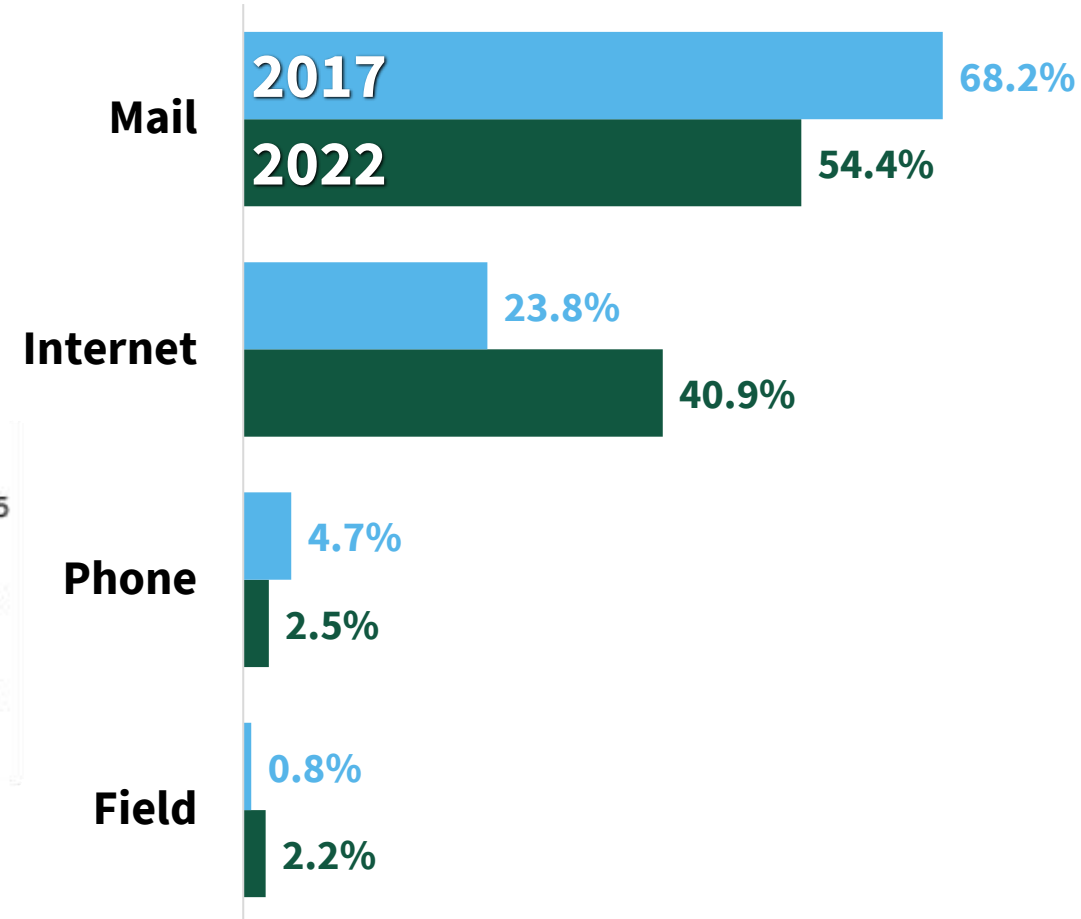
“any place from which \$1,000 or more of agricultural products were produced and sold, or normally would have been sold, during the census year.”

Census Data Collection

Response Rate by State, 2022



Return Rate by Mode *percent of returns*





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

1574

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>Mark one or more.</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>Mark one or more.</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>Mark one or more.</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>Mark one or more.</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>Mark one.</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>Mark one.</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>Mark one.</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>Mark one.</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>

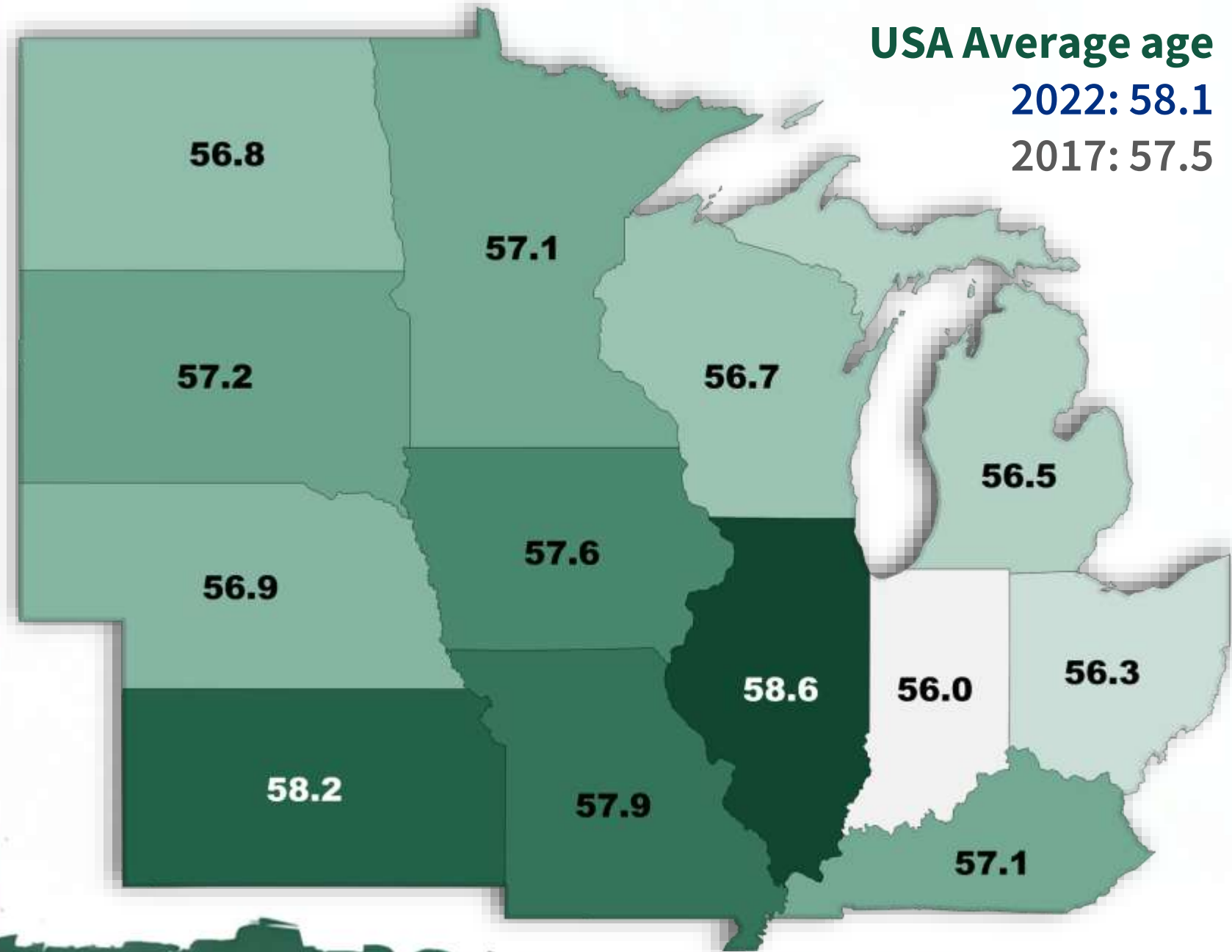
What do you think is the average age of farmers and ranchers in Illinois?

- 47 to 50
- 51 to 53
- 54 to 56
- 57 to 60
- Above 60

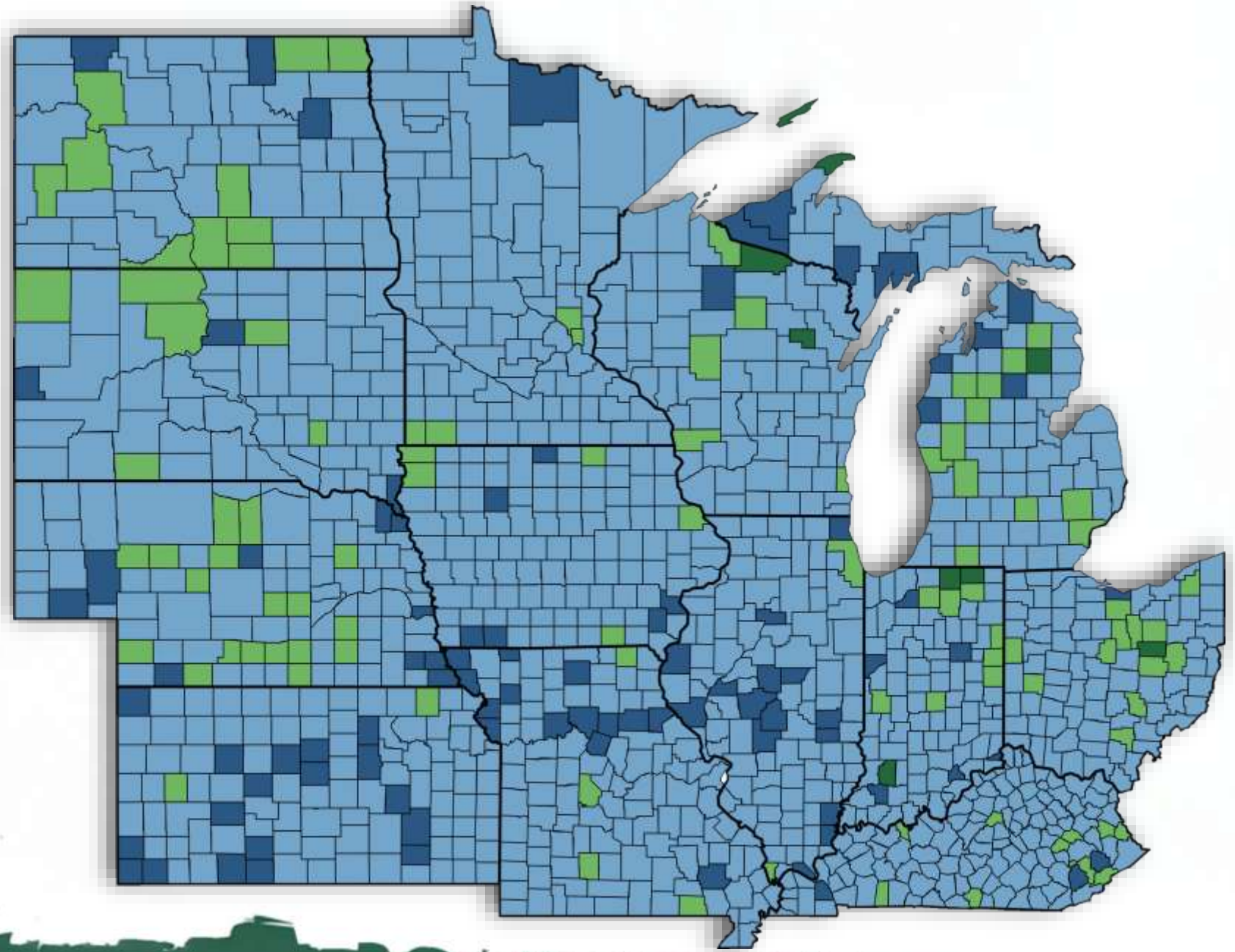
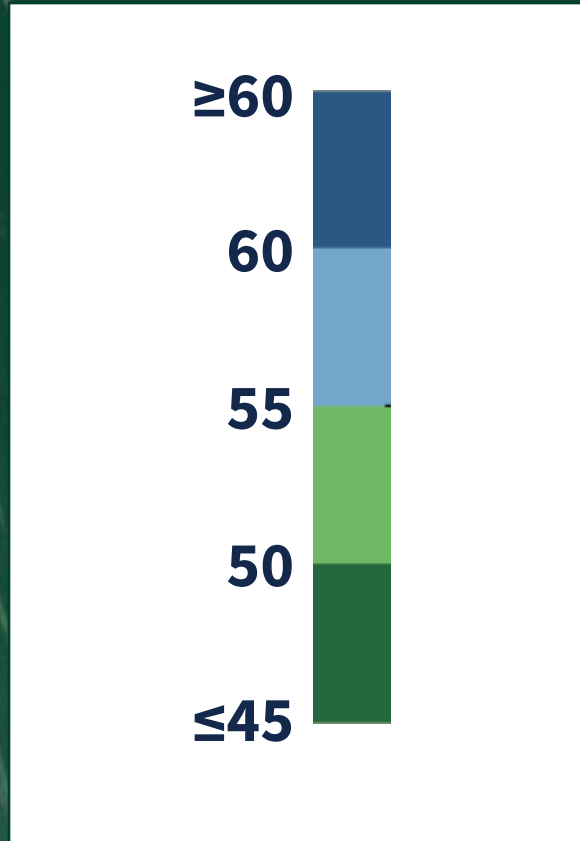


Average age of producers

Rank	State	Age
1	HAWAII	60.7
2	NEW MEXICO	60.6
3	ARIZONA	60.1
20	ILLINOIS	58.6
48	OHIO	56.3
49	INDIANA	56.0
50	PENNSYLVANIA	55.4



Age of Producers

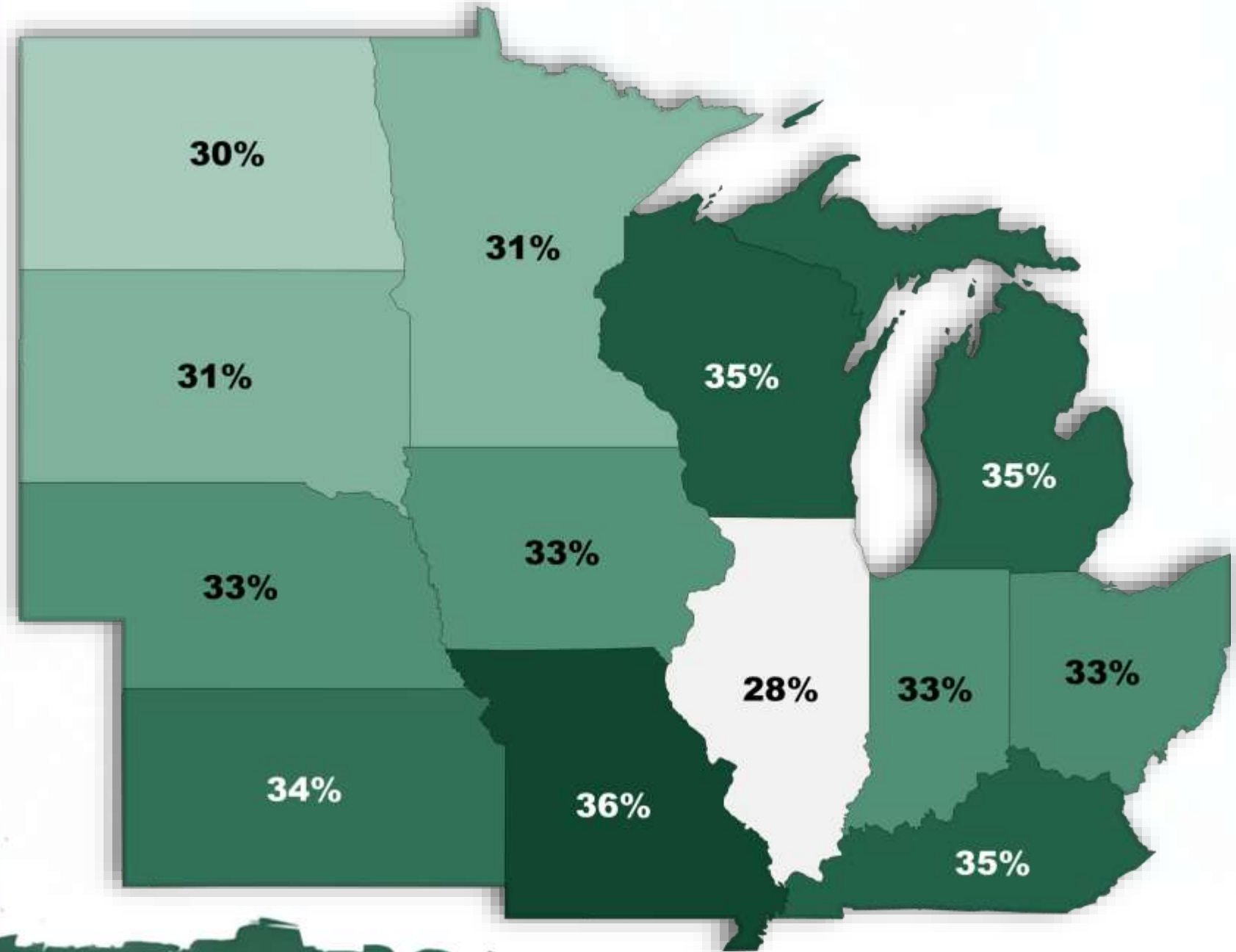


Percent Producer by Age Group

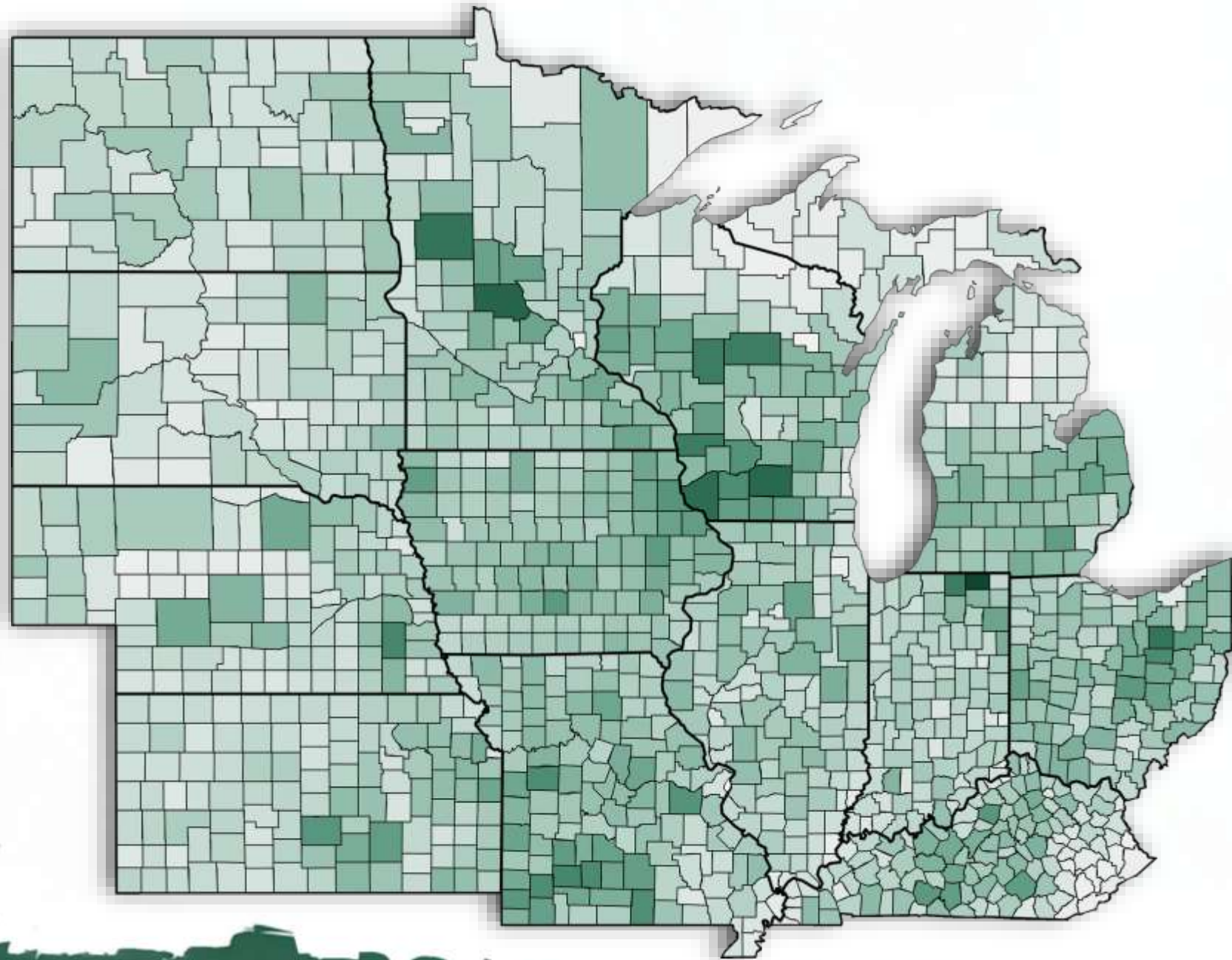
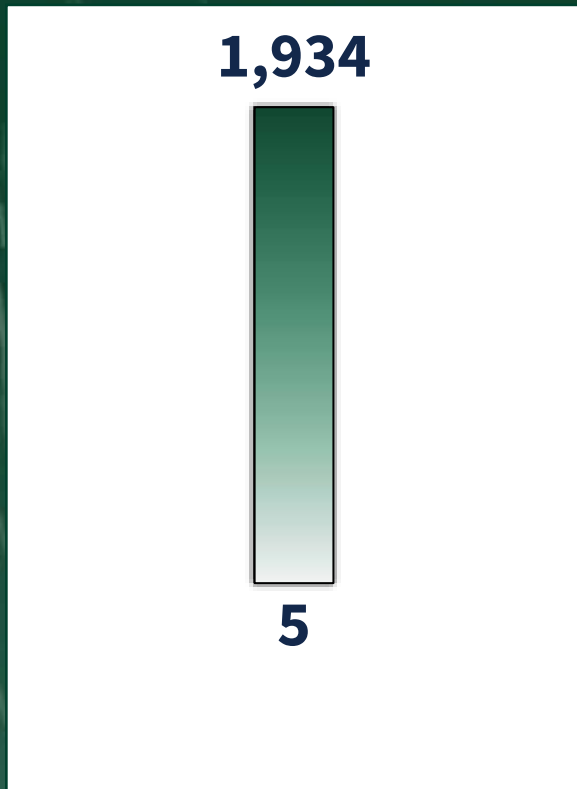
State	<25	25 to 34	35 to 44	45 to 54	55 to 64	65 to 74	>75
Illinois	1%	7%	13%	14%	24%	25%	15%
Indiana	2%	10%	16%	16%	22%	22%	12%
Iowa	1%	9%	14%	14%	24%	24%	14%
Kansas	2%	8%	12%	14%	24%	26%	14%
Kentucky	2%	8%	13%	17%	25%	23%	12%
Michigan	2%	8%	15%	16%	25%	22%	12%
Minnesota	2%	8%	14%	15%	26%	24%	12%
Missouri	2%	8%	13%	15%	25%	24%	14%
Nebraska	2%	10%	14%	15%	23%	25%	12%
North Dakota	2%	9%	14%	14%	25%	24%	12%
Ohio	2%	9%	14%	16%	24%	22%	12%
South Dakota	2%	9%	13%	15%	25%	25%	12%
Wisconsin	2%	8%	14%	15%	27%	23%	11%
USA	2%	7%	13%	15%	25%	25%	14%

% Female producers

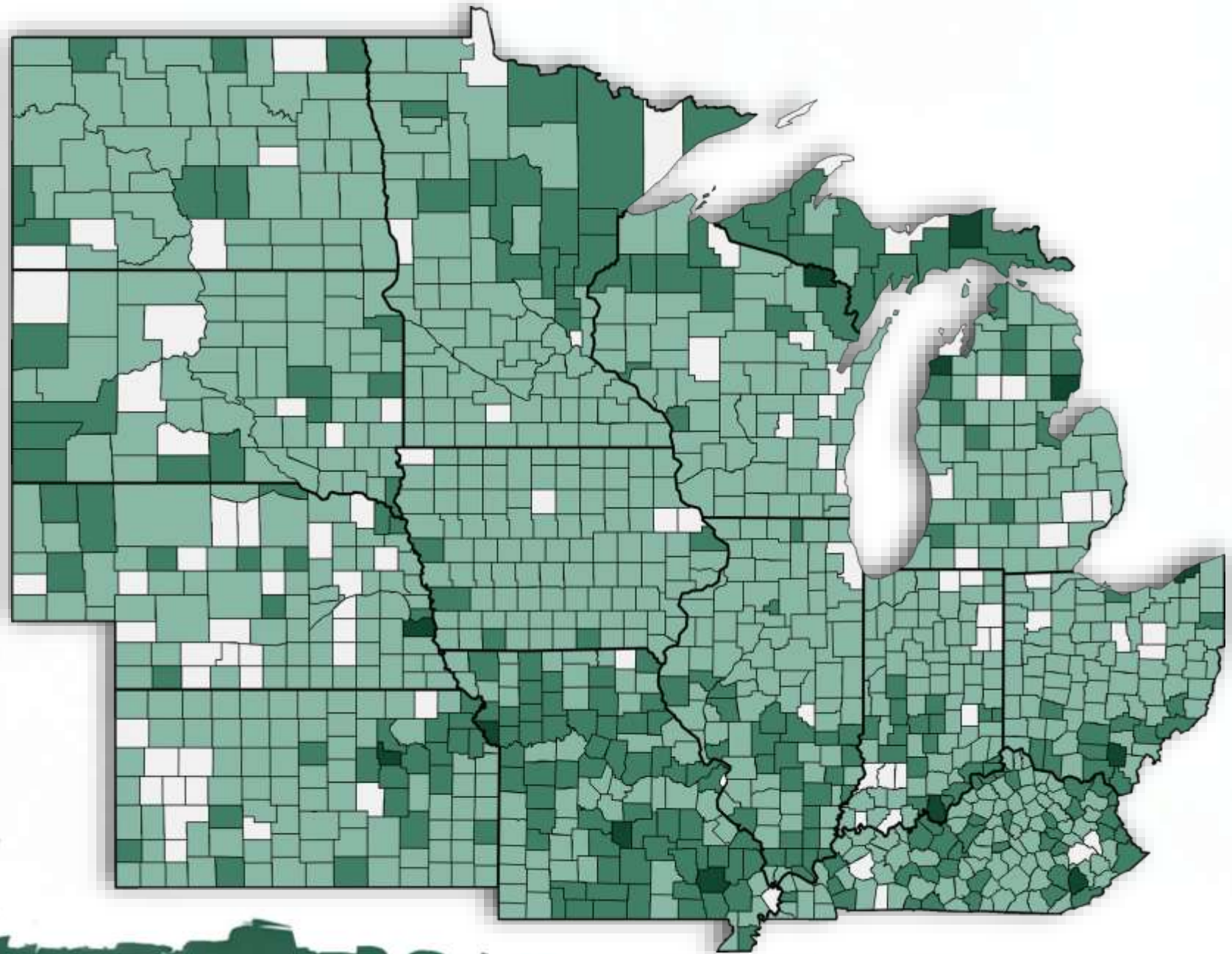
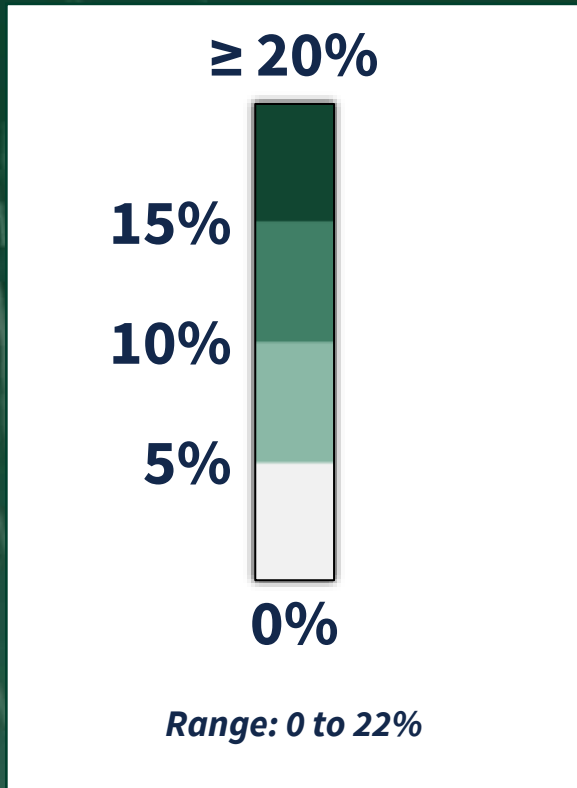
1	Arizona	47.9%
2	Alaska	47.6%
28	Missouri	36.5%
31	Wisconsin	35.5%
35	Kentucky	35.2%
36	Michigan	35.0%
40	Kansas	34.4%
43	Ohio	33.1%
44	Nebraska	32.8%
45	Indiana	32.8%
46	Iowa	32.7%
47	South Dakota	31.2%
48	Minnesota	31.0%
49	North Dakota	29.9%
50	Illinois	28.0%



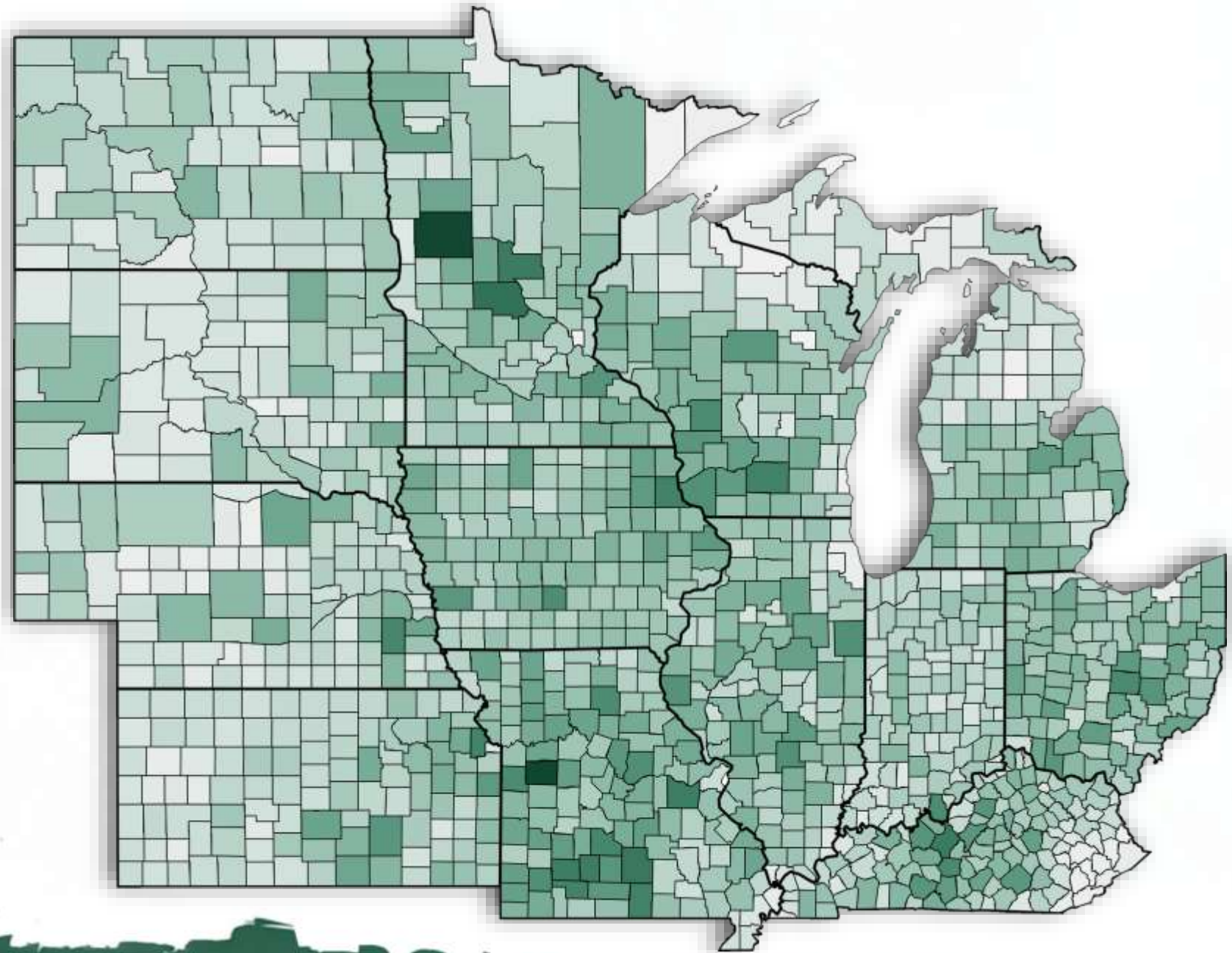
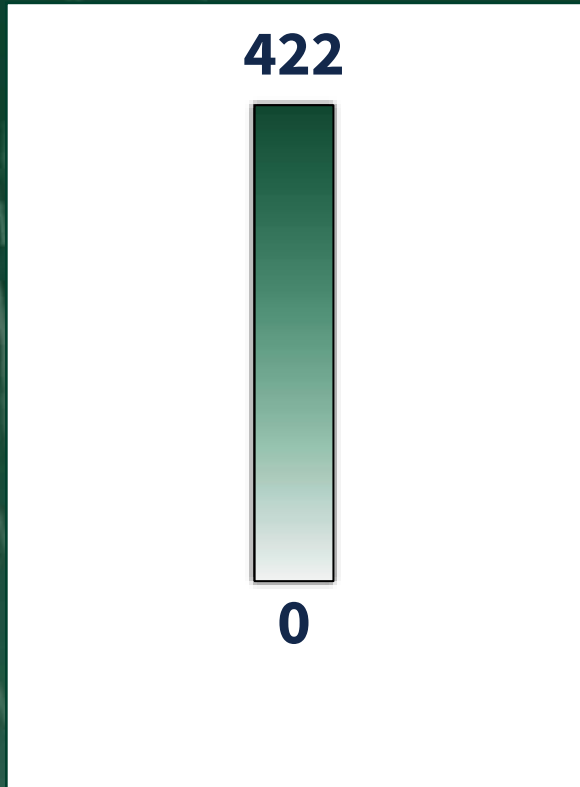
Number of female producers



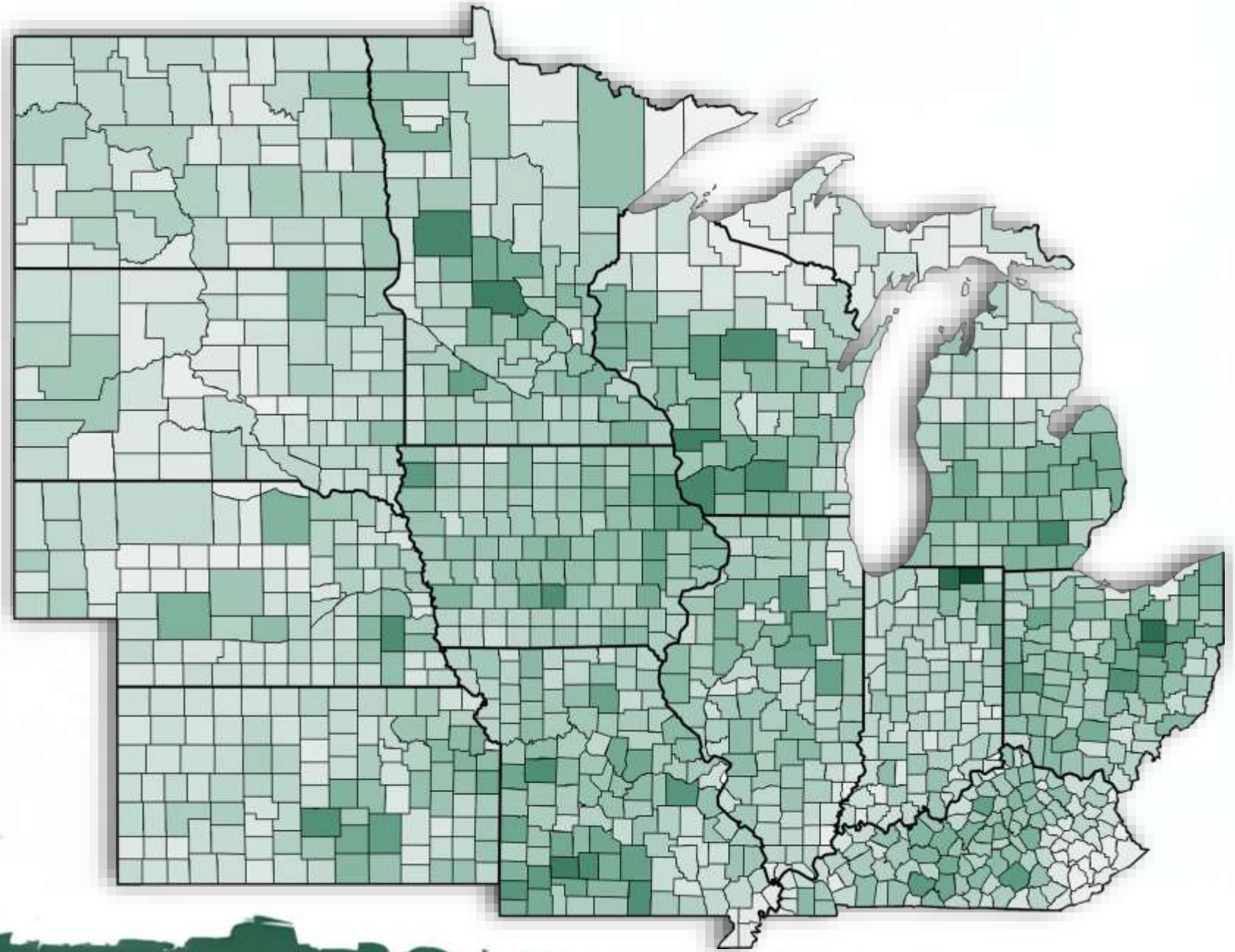
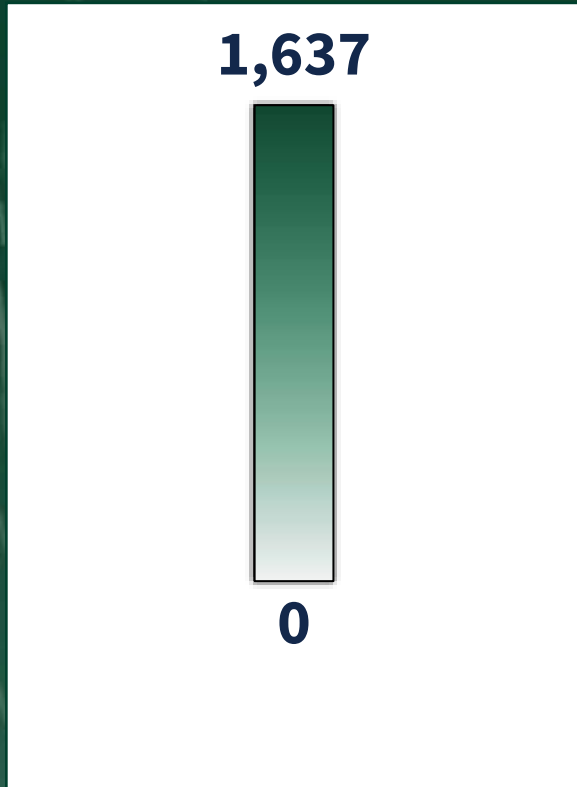
Percent of military producers



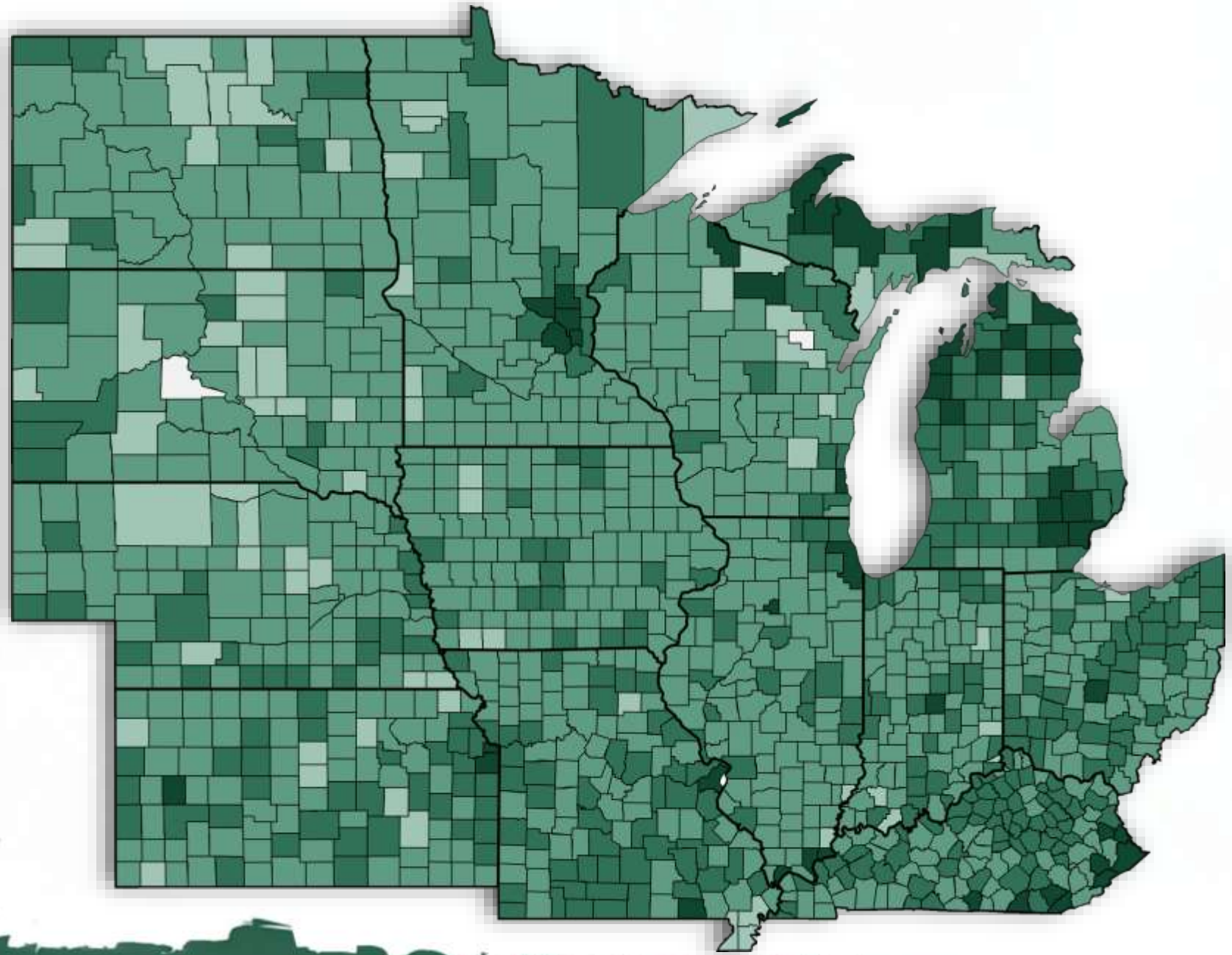
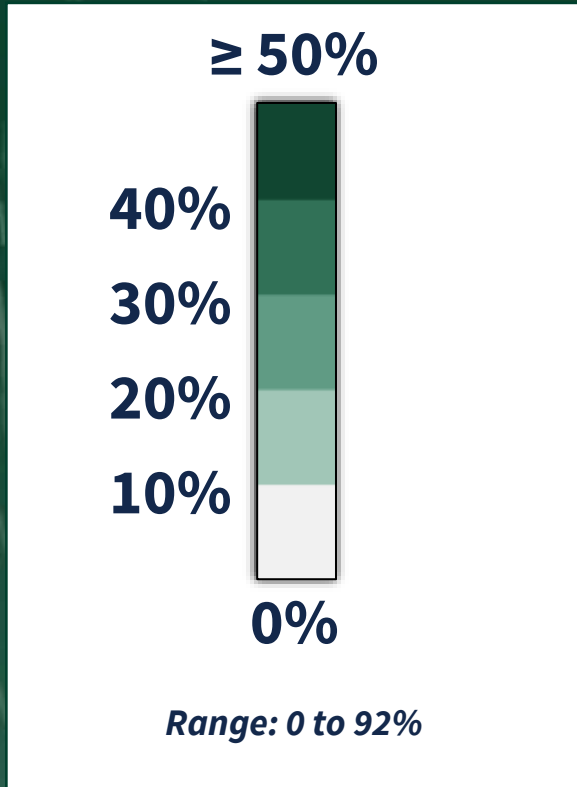
of Producers, military service, active duty now or in the past



of Producers, years on any operation, <11 years

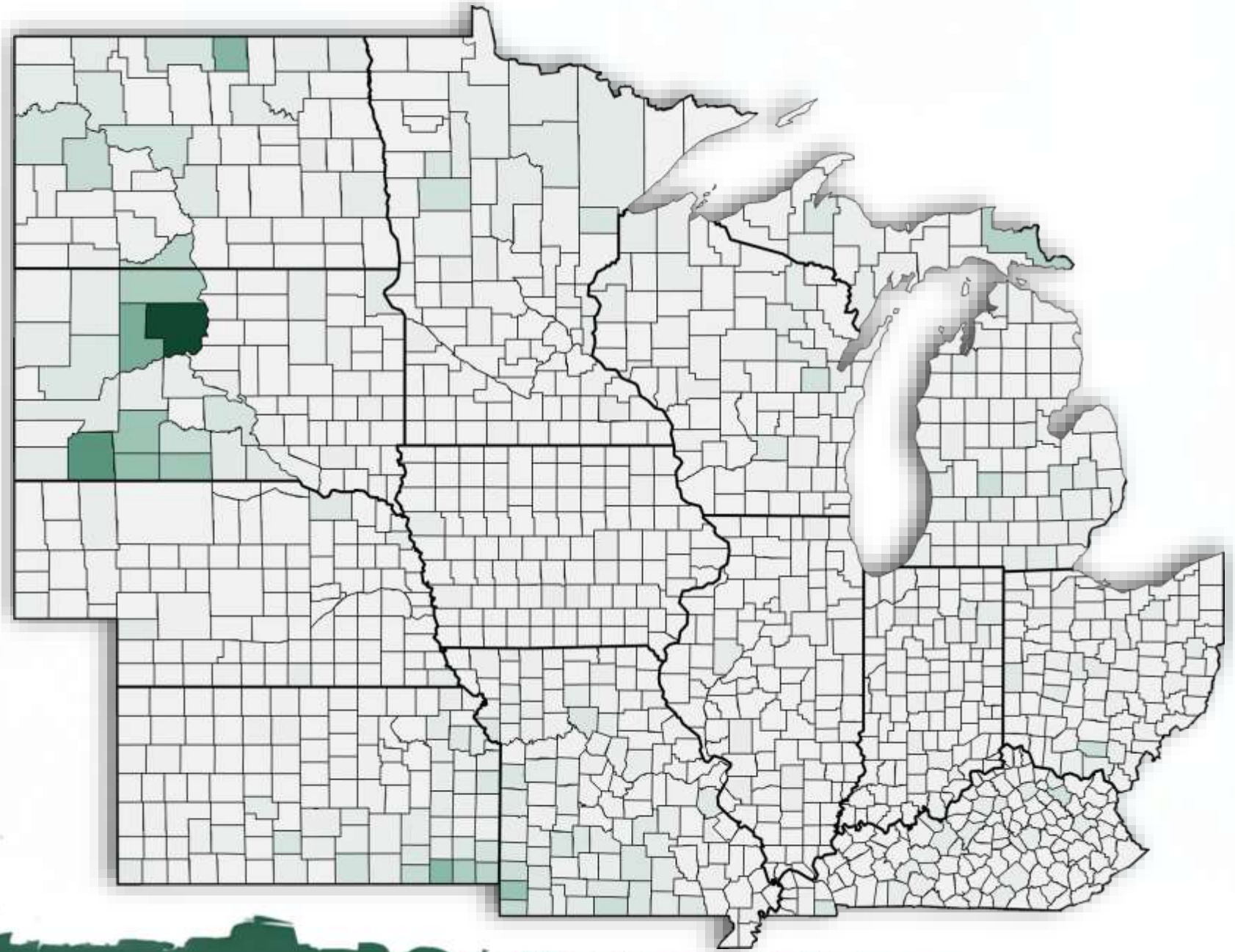
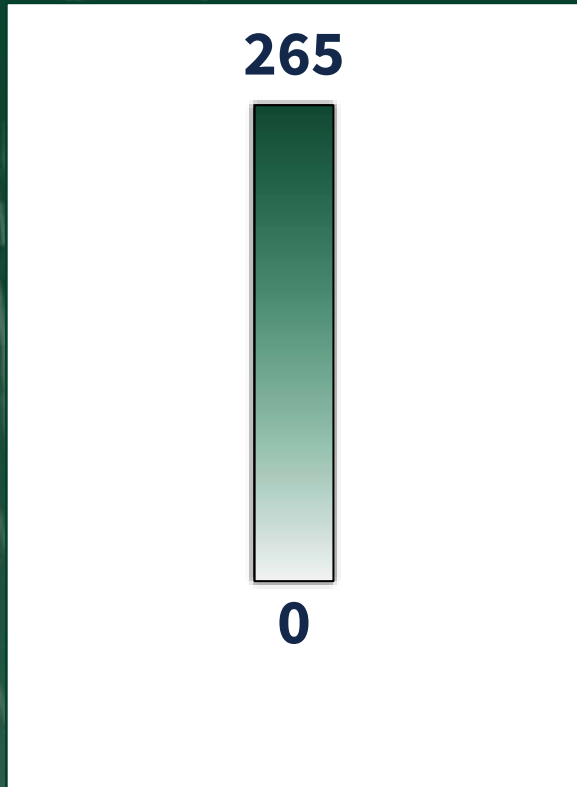


Percent of new producers

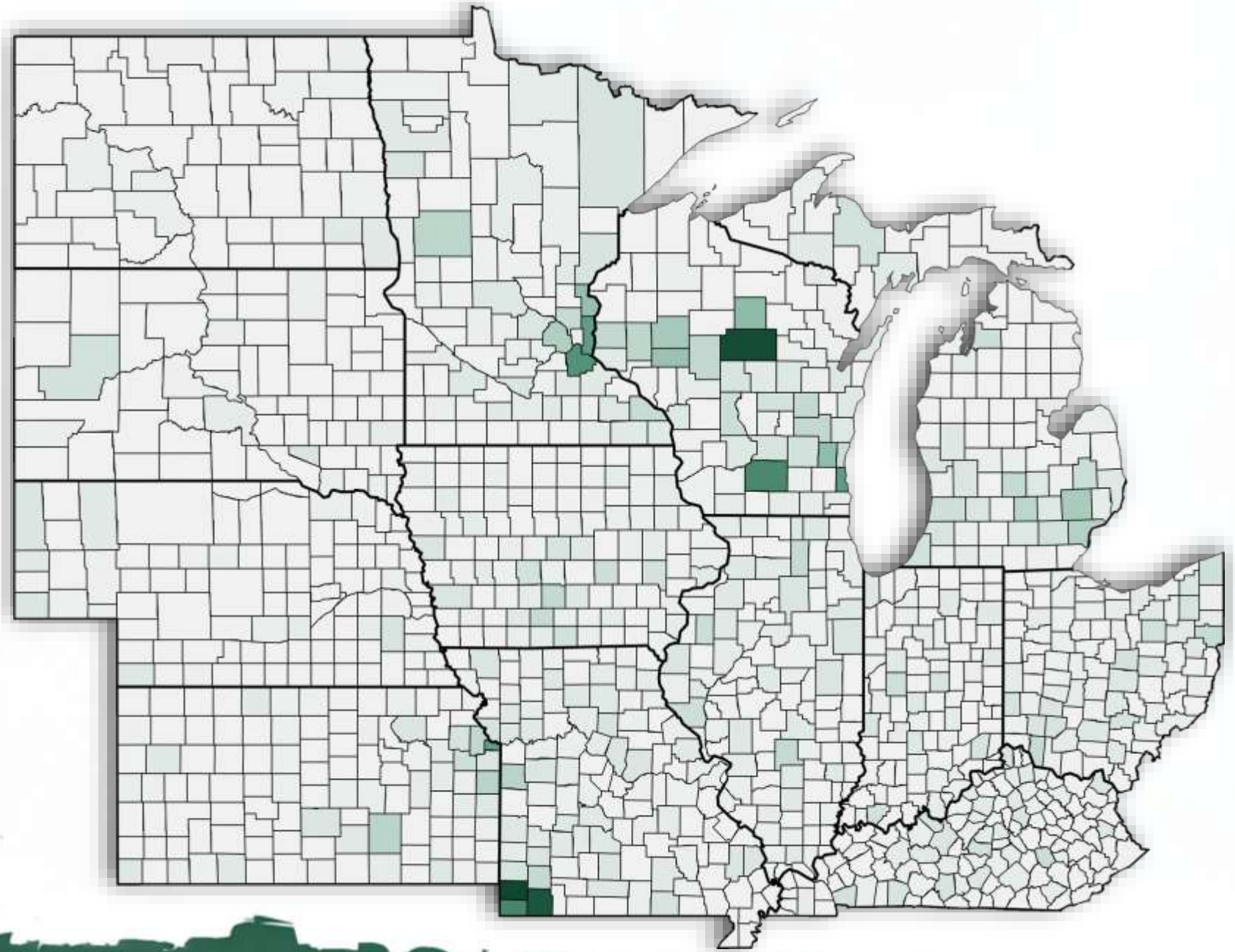
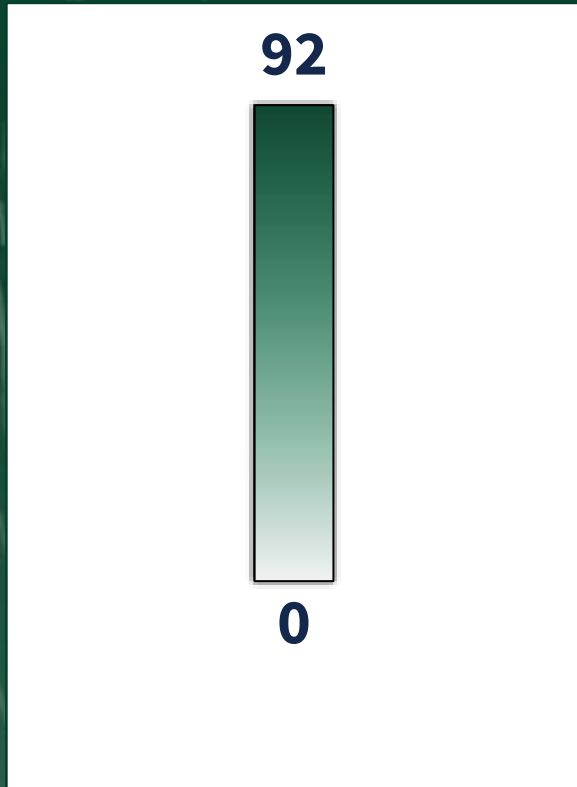


American Indian or Alaska native number of producers

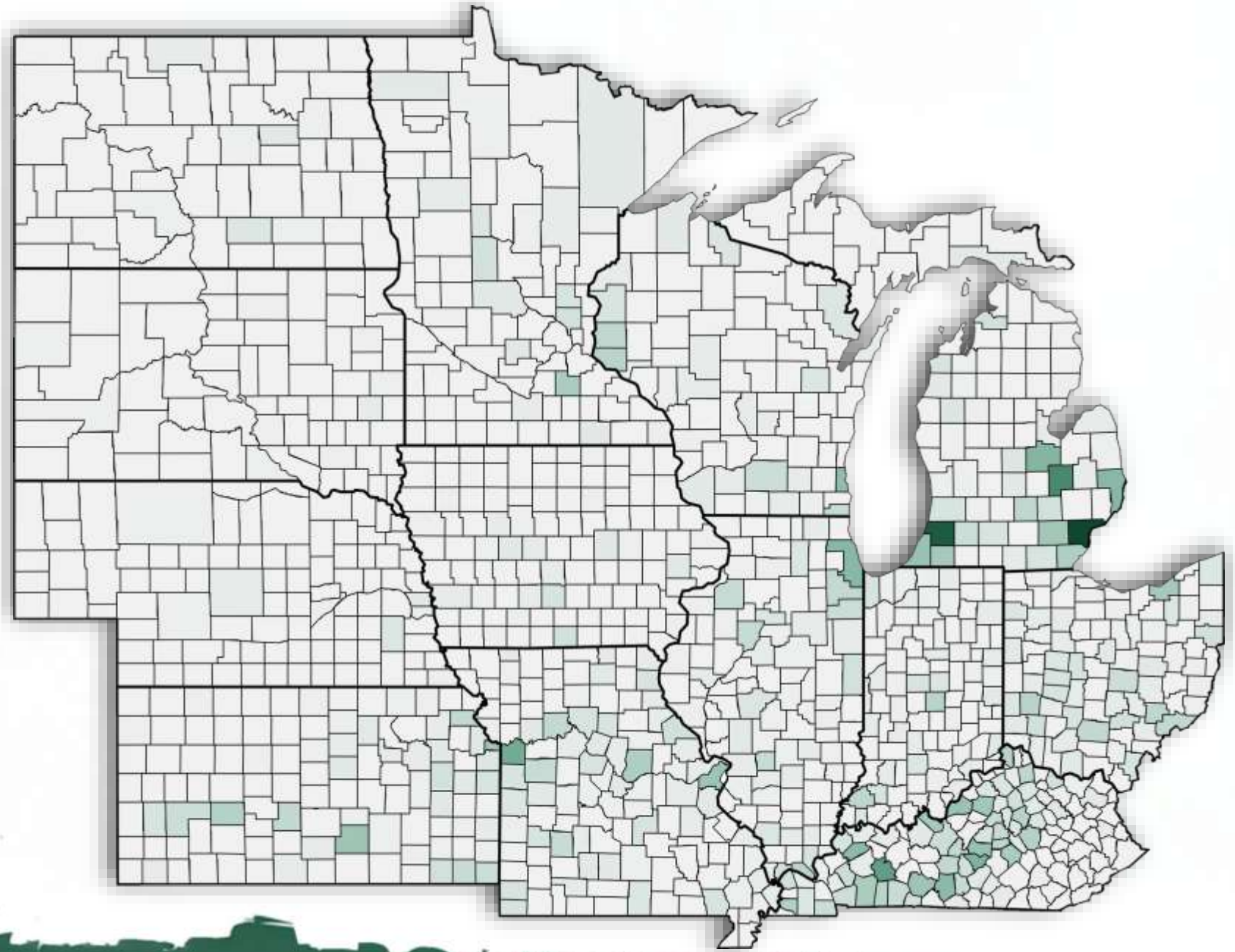
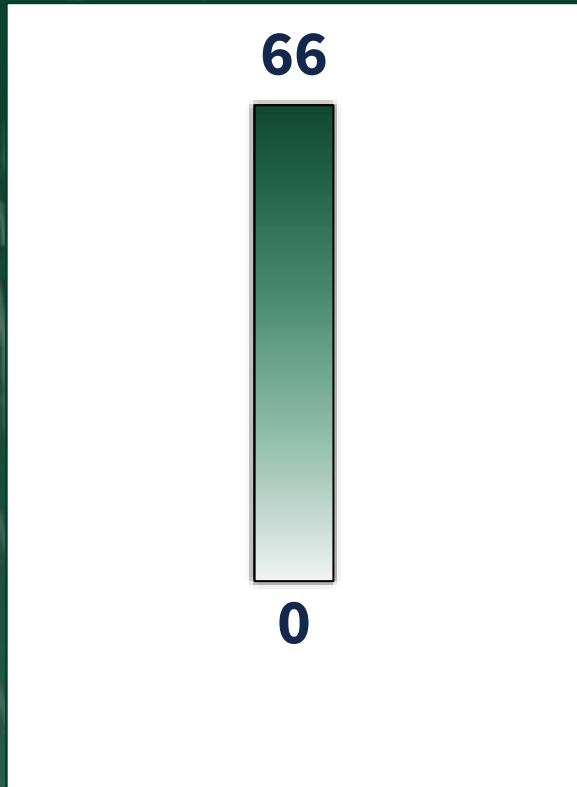
number of producers



Asian *number of producers*

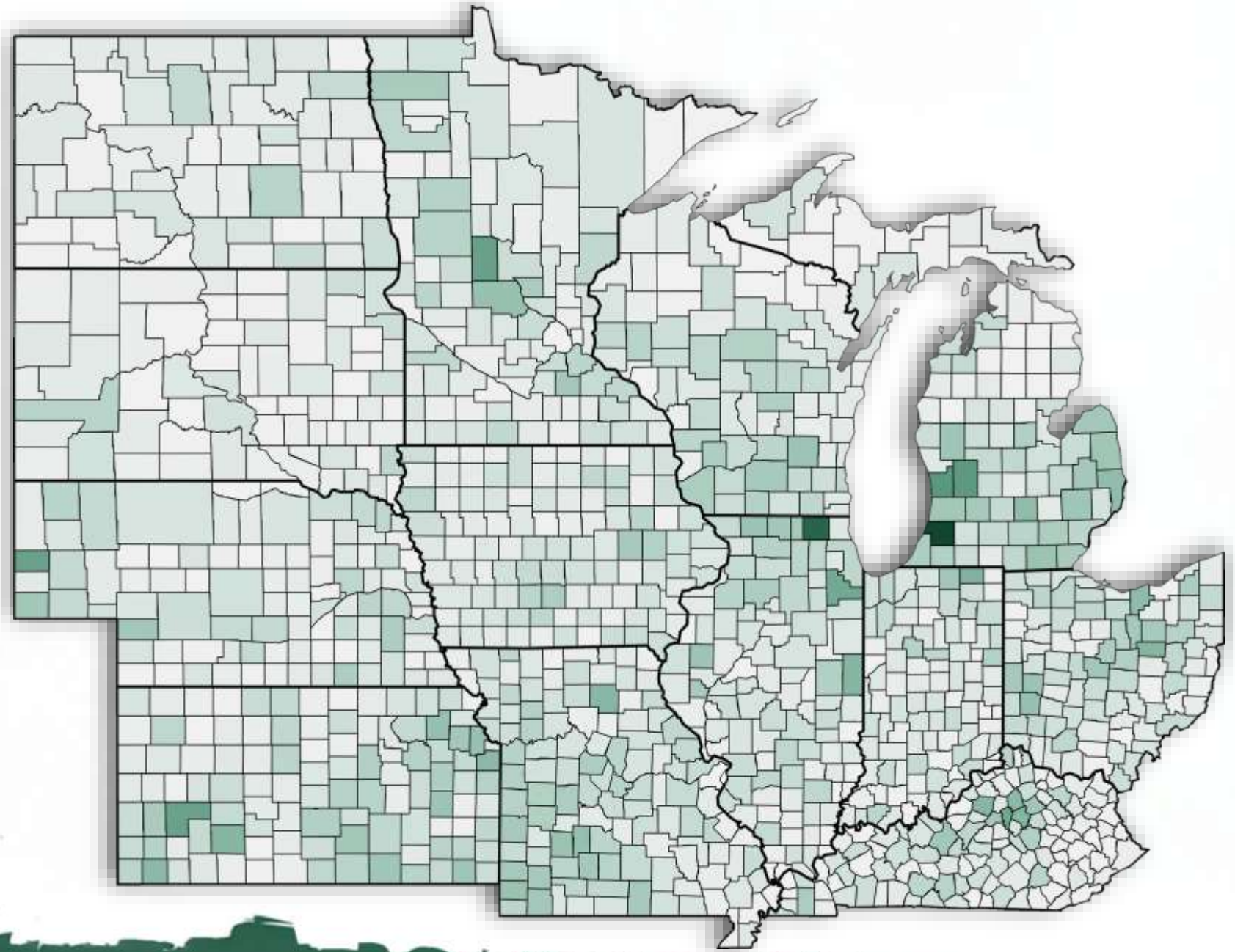
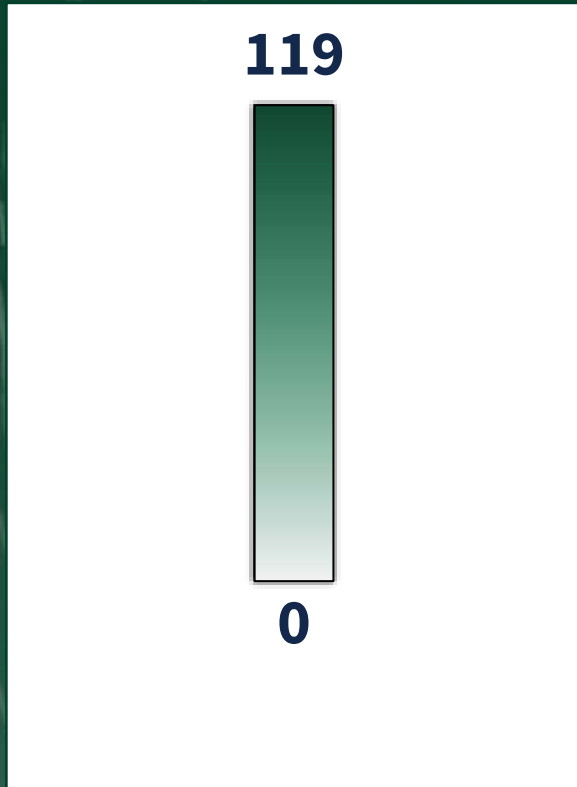


Black or African American number of producers

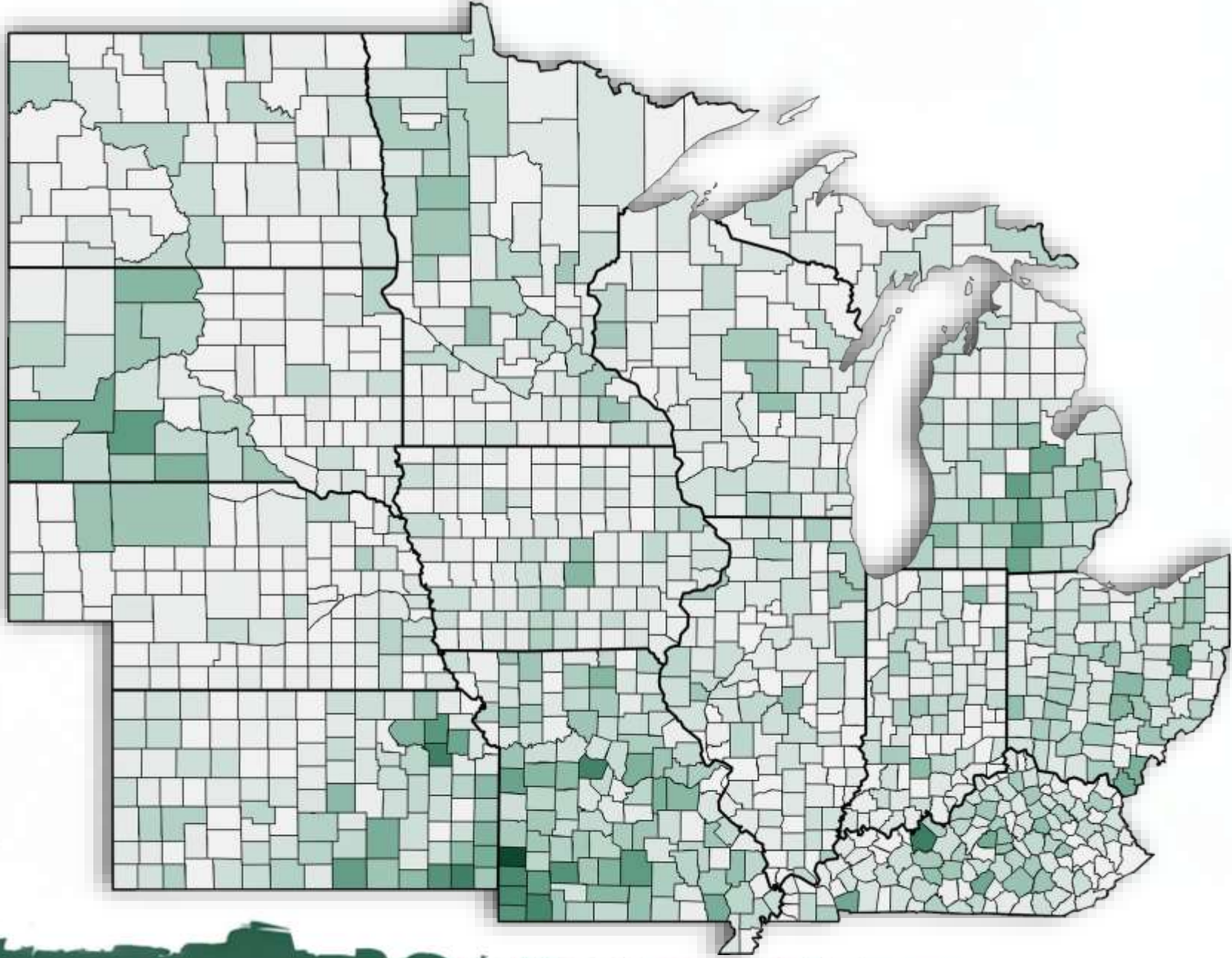
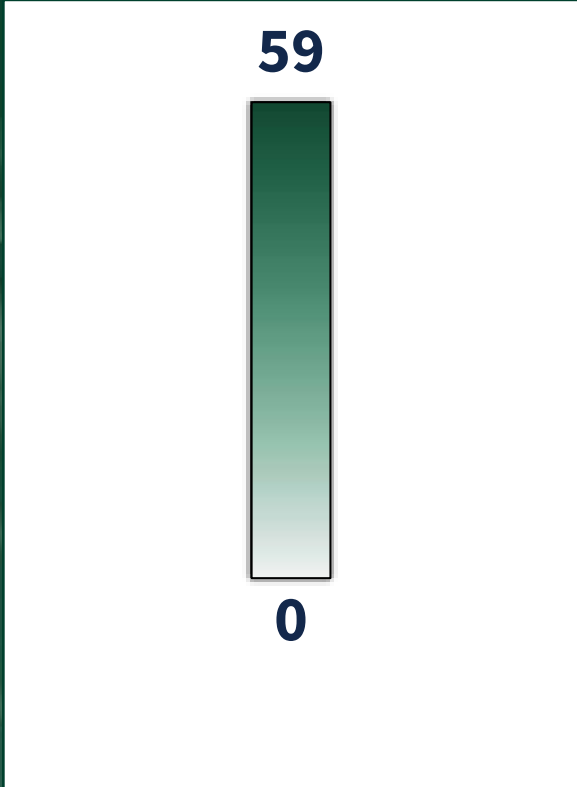


Hispanic

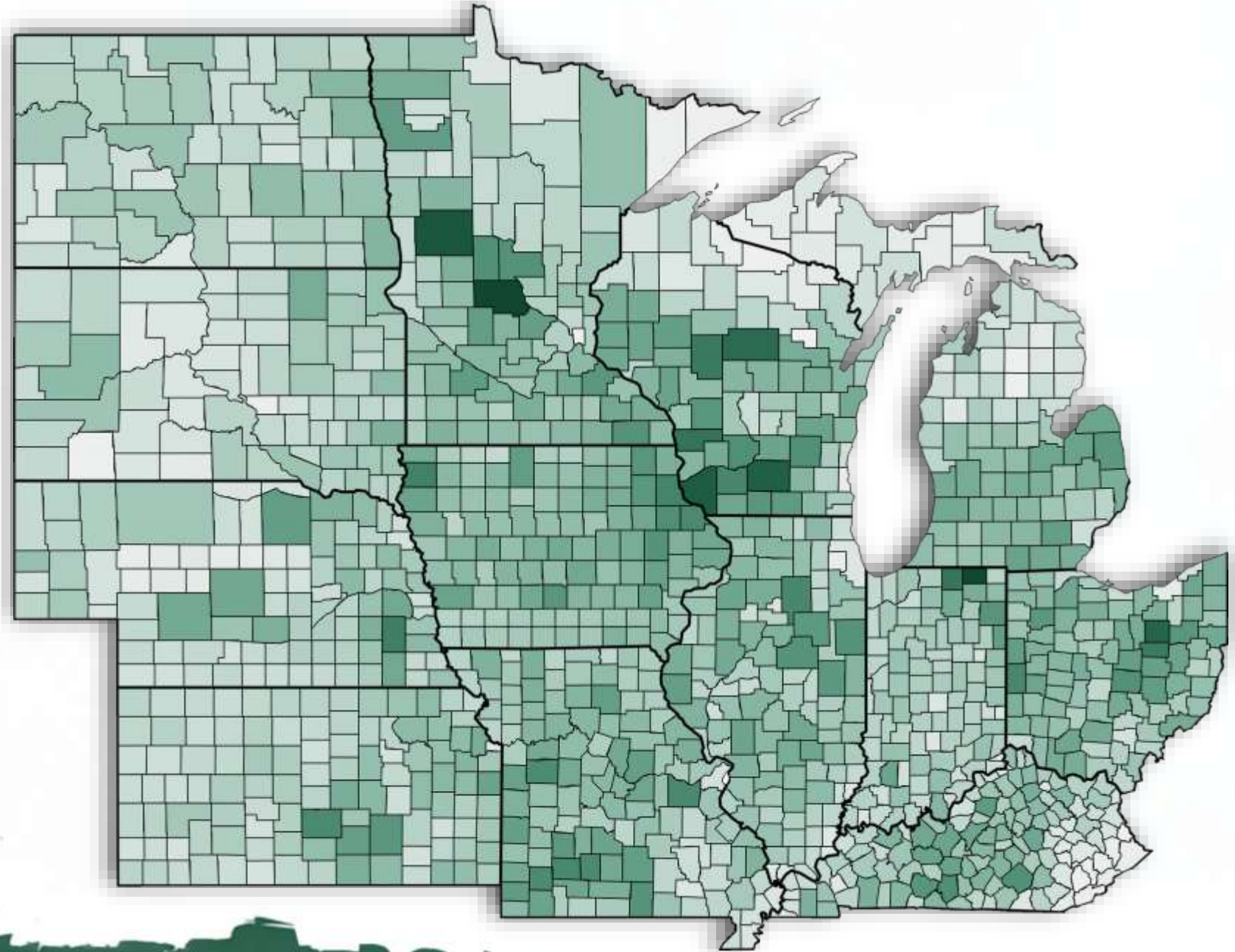
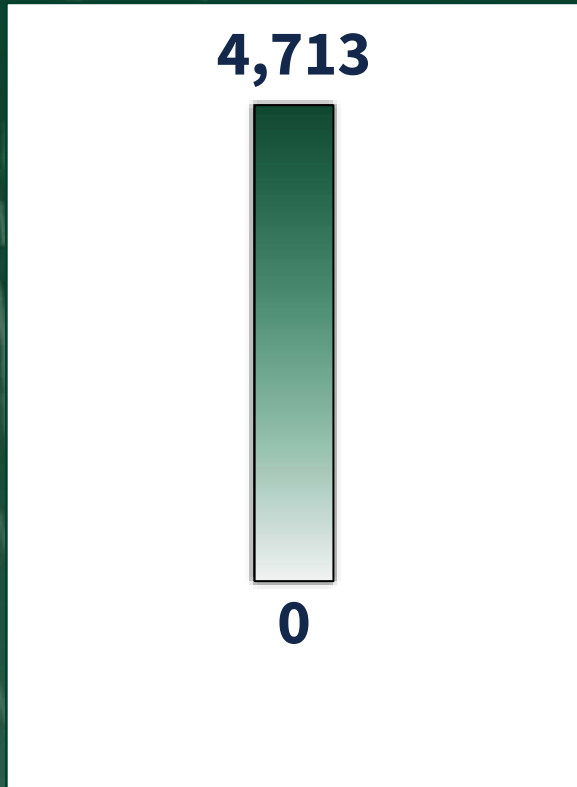
number of producers



Multi-race *number of producers*



Producers white *number of producers*





Farms and Land



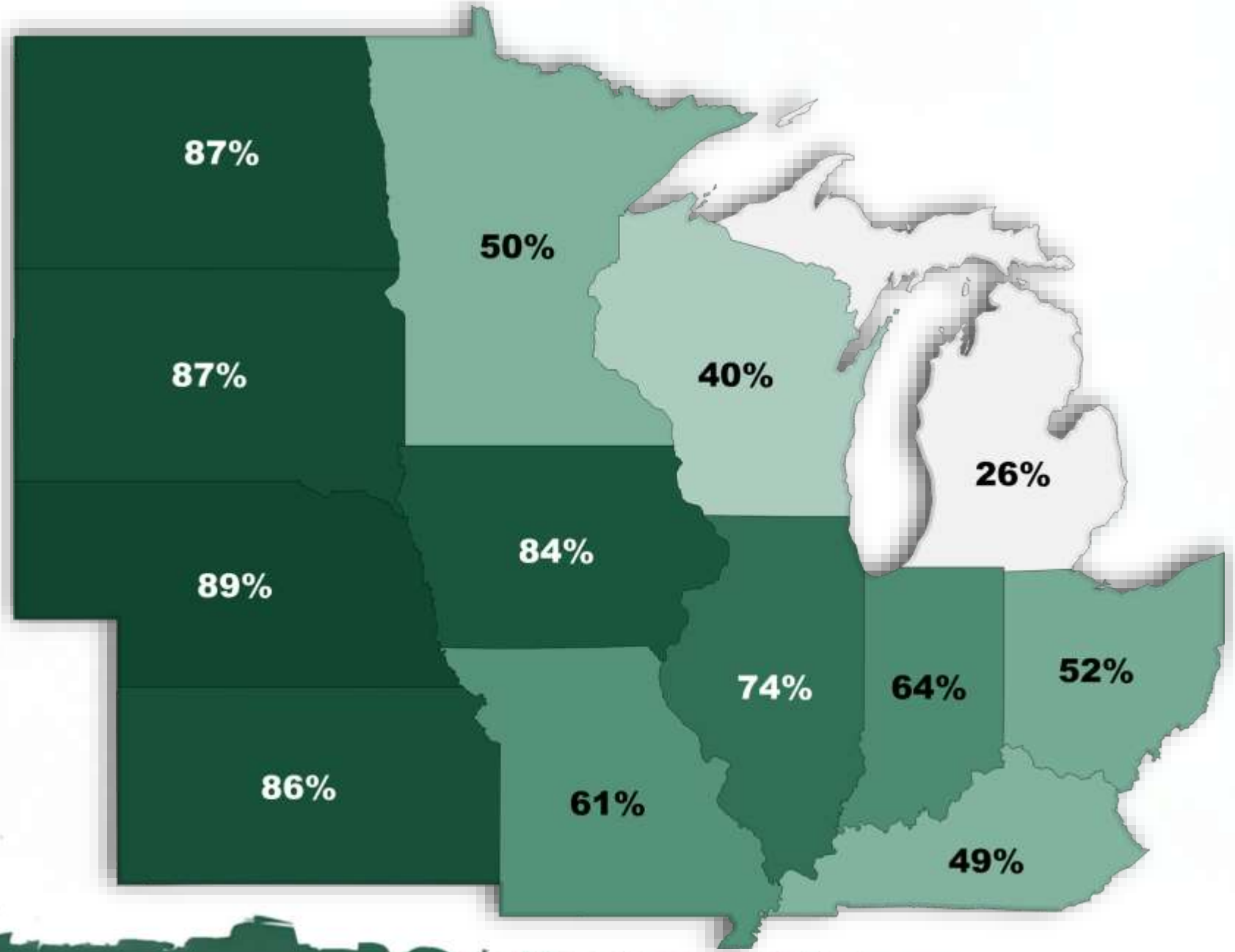
What percentage of land in Illinois is used for agriculture?

- 55 to 60%
- 61 to 65%
- 66 to 70%
- 71 to 75%
- Above 75%



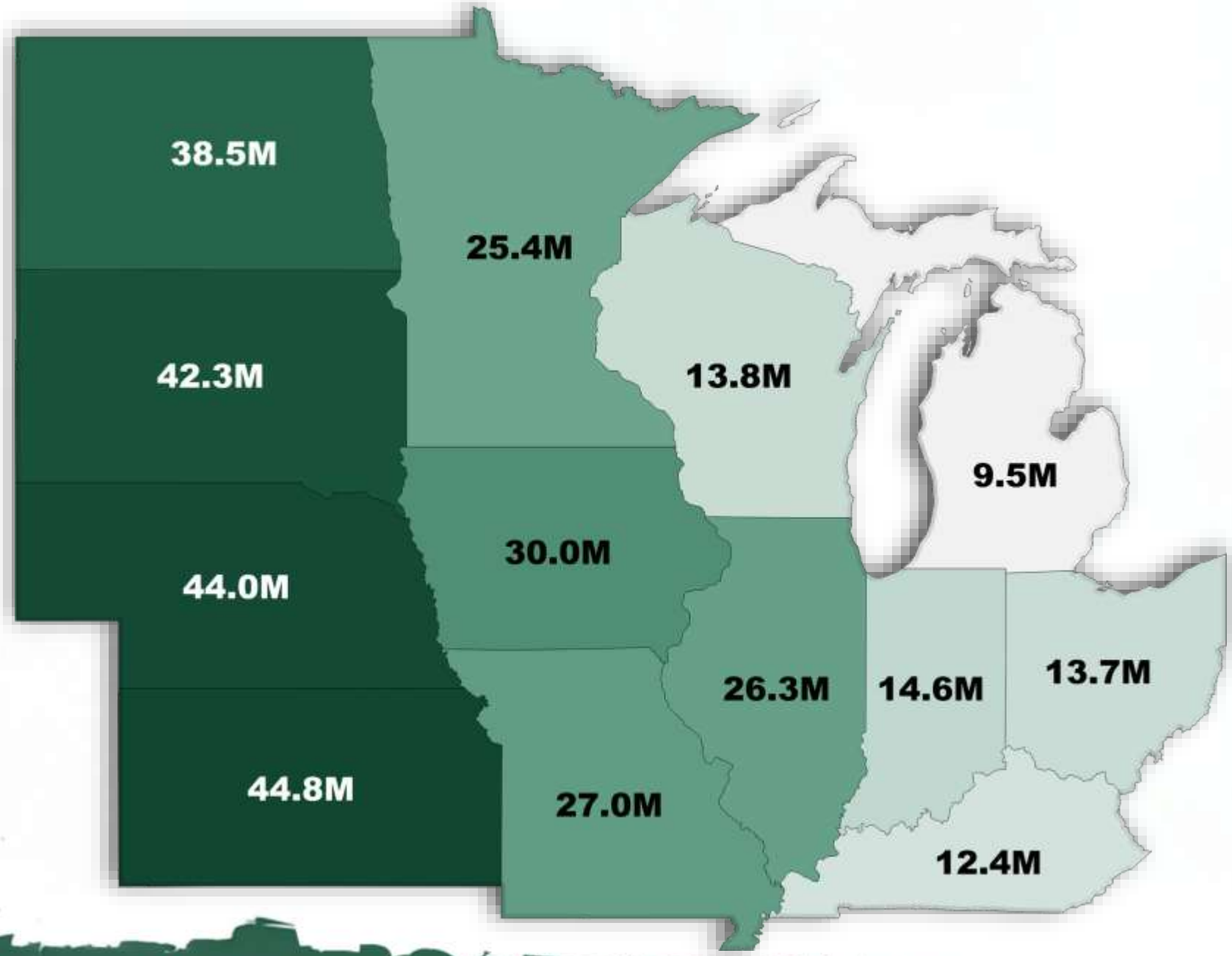
% of land used for ag

1	Nebraska	89.4%
2	North Dakota	87.3%
3	South Dakota	87.2%
4	Kansas	85.6%
5	Iowa	83.9%
8	Illinois	74.0%
9	Indiana	63.7%
11	Missouri	61.4%
12	Ohio	52.2%
14	Minnesota	49.9%
15	Kentucky	49.2%
21	Wisconsin	39.8%
31	Michigan	26.2%
50	Alaska	0.2%



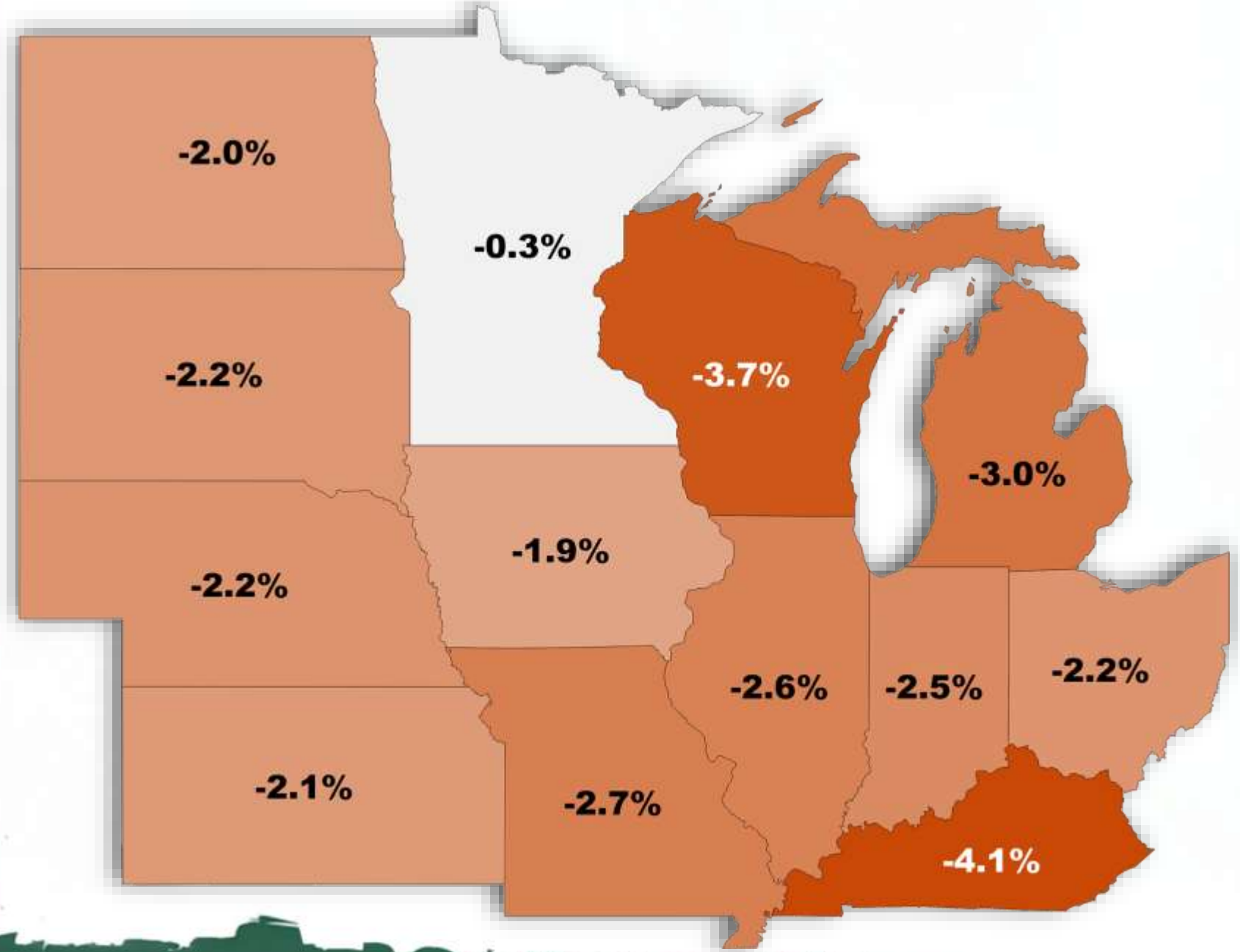
Acres of ag land

1	Texas	125.5M
2	Montana	57.6M
3	Kansas	44.8M
4	Nebraska	44.0M
5	South Dakota	42.3M
7	North Dakota	38.5M
10	Iowa	30.0M
12	Missouri	27.0M
13	Illinois	26.3M
15	Minnesota	25.4M
18	Indiana	14.6M
20	Wisconsin	13.8M
22	Ohio	13.7M
23	Kentucky	12.4M
30	Michigan	9.5M

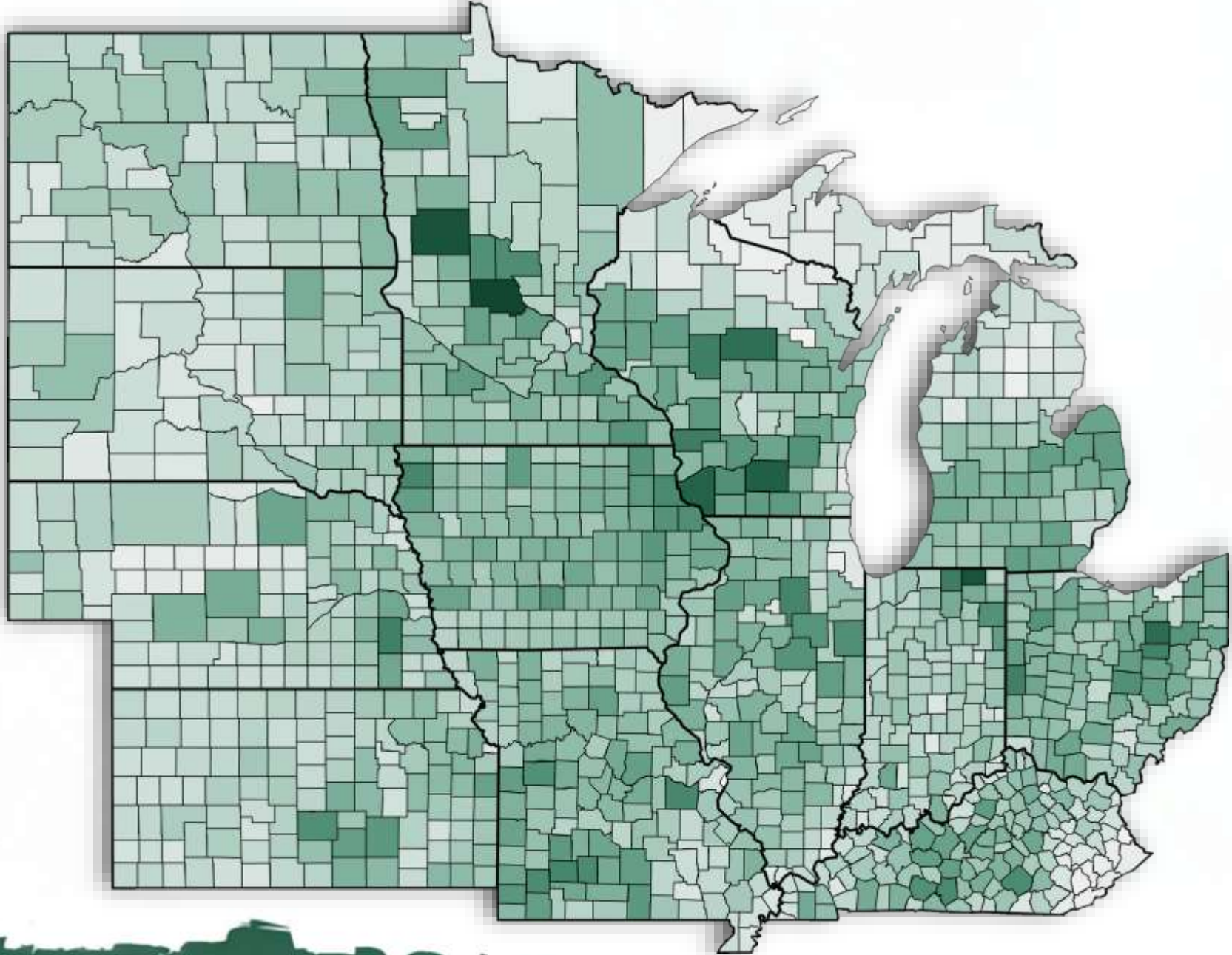
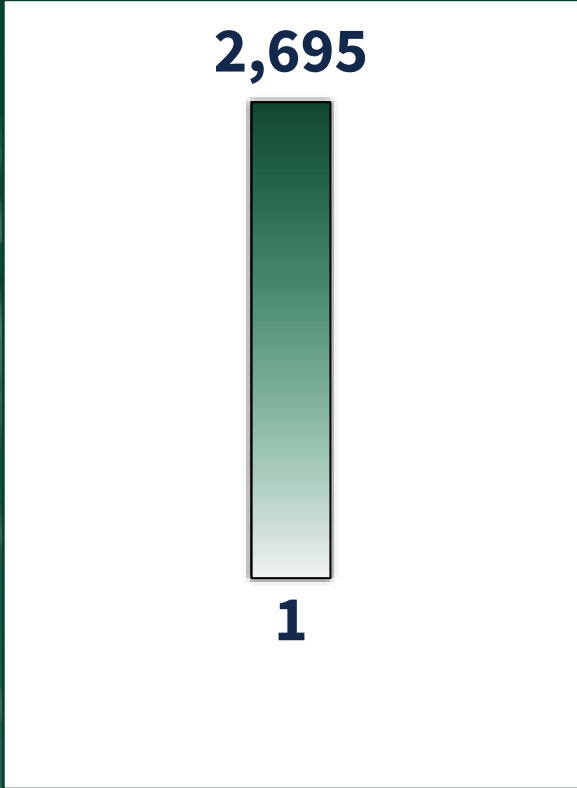


Ag Land % change from 2017

1	RHODE ISLAND	3.9%
2	ALASKA	2.4%
6	MINNESOTA	-0.3%
19	IOWA	-1.9%
21	NORTH DAKOTA	-2.0%
22	KANSAS	-2.1%
23	SOUTH DAKOTA	-2.2%
24	OHIO	-2.2%
25	NEBRASKA	-2.2%
27	INDIANA	-2.5%
29	ILLINOIS	-2.6%
30	MISSOURI	-2.7%
32	MICHIGAN	-3.0%
38	WISCONSIN	-3.7%
42	KENTUCKY	-4.1%
50	HAWAII	-7.2%



Number of Farms



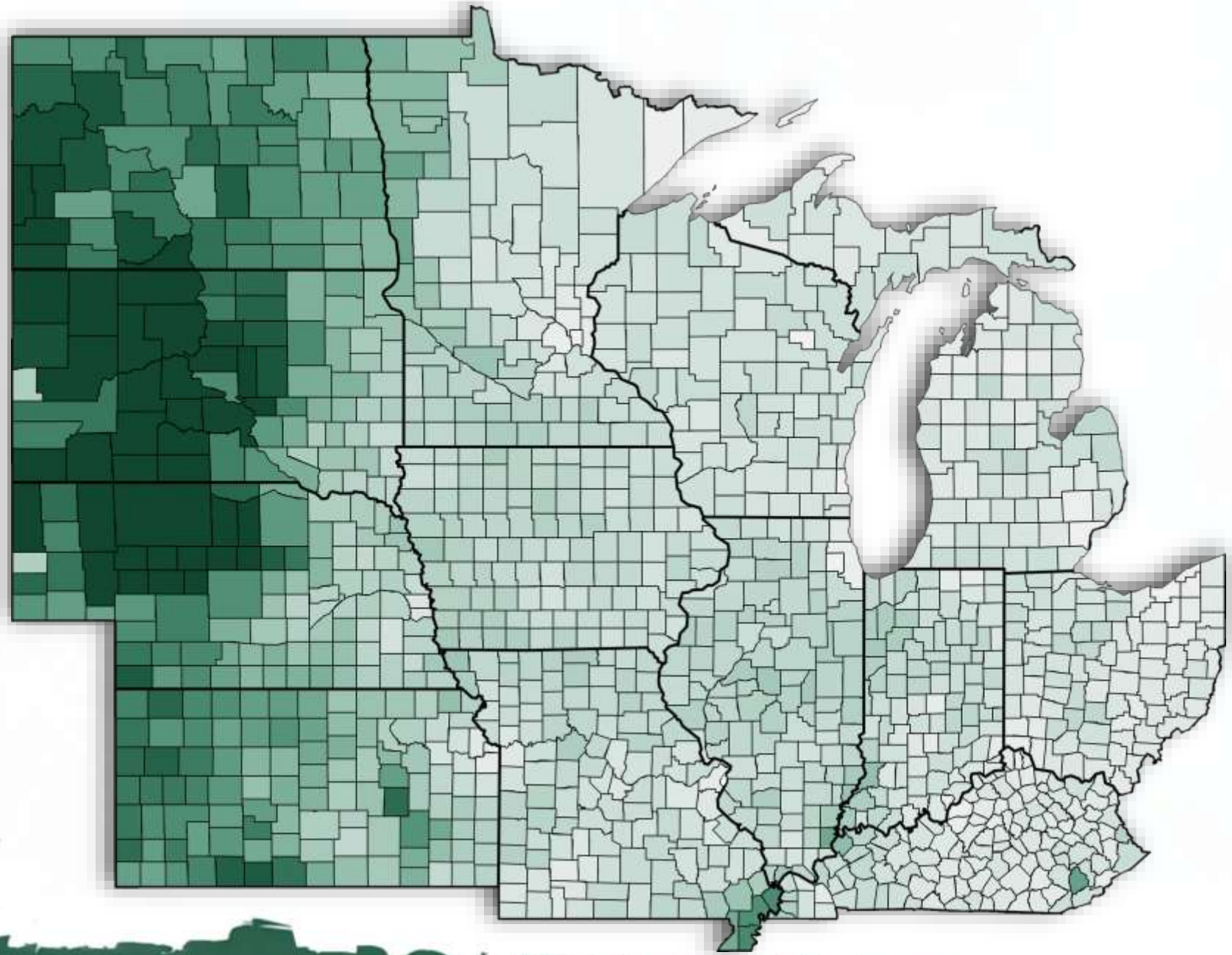
Avg Acres per operation

$\geq 2,500$



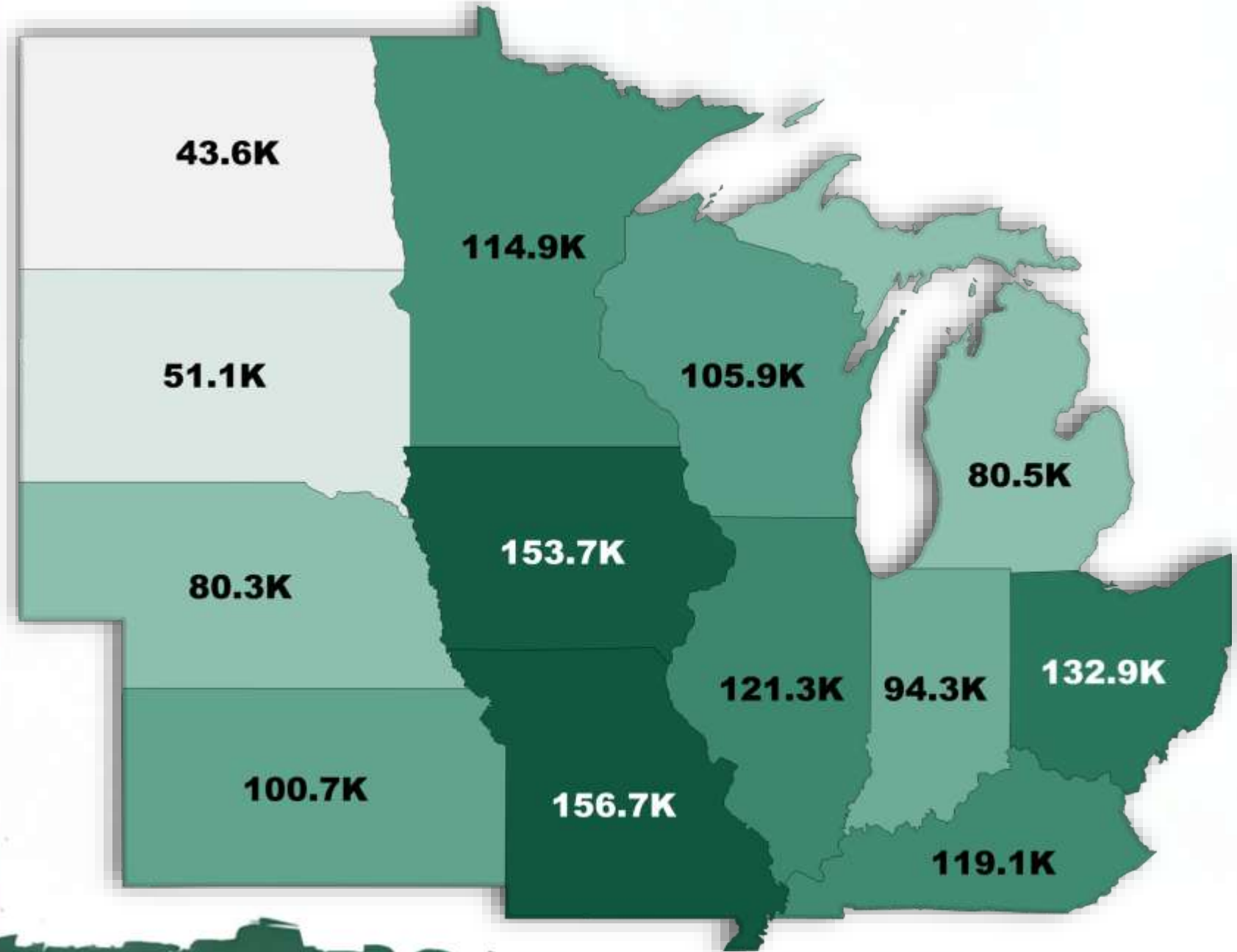
14

Range: 14 to 7,498 acres

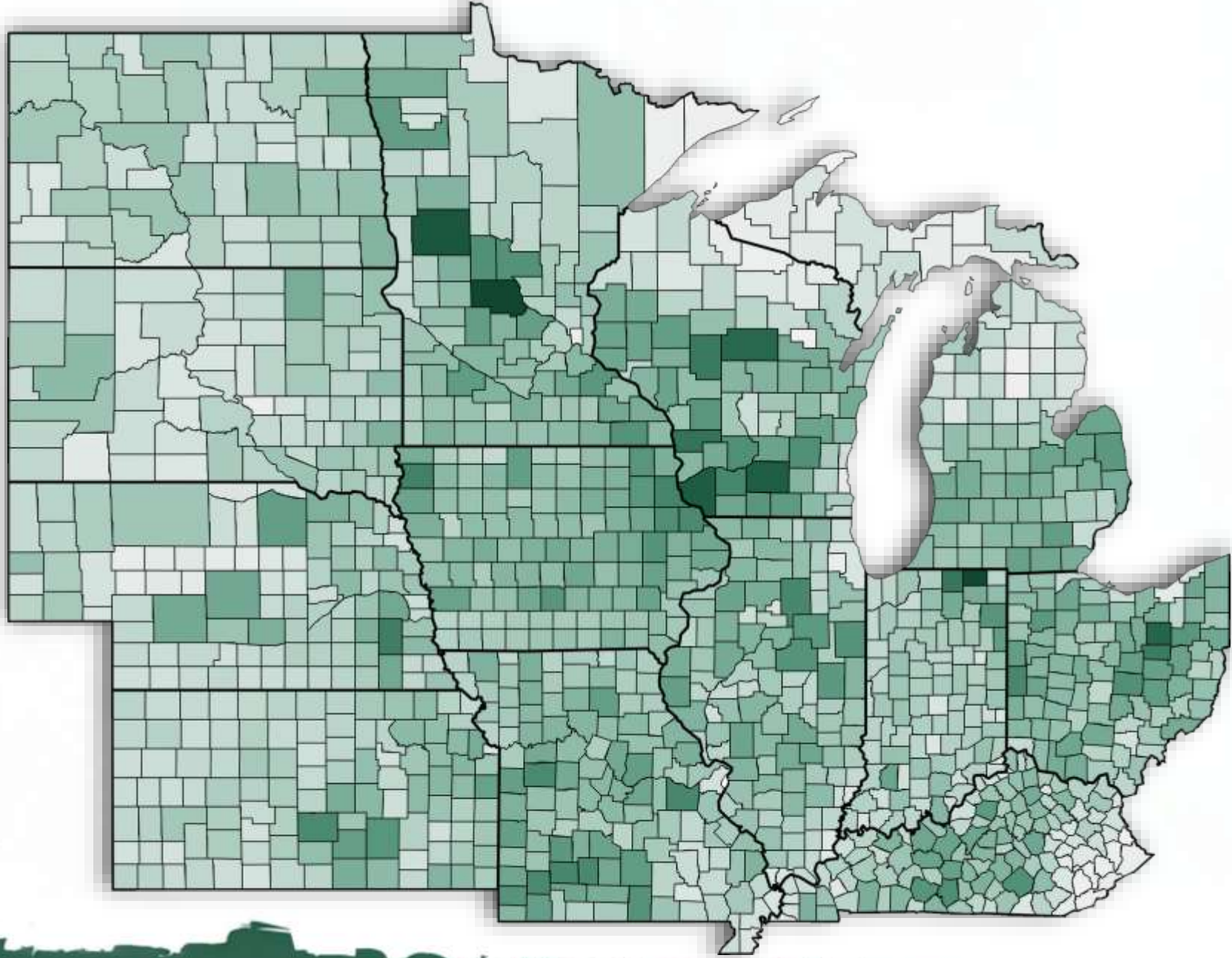
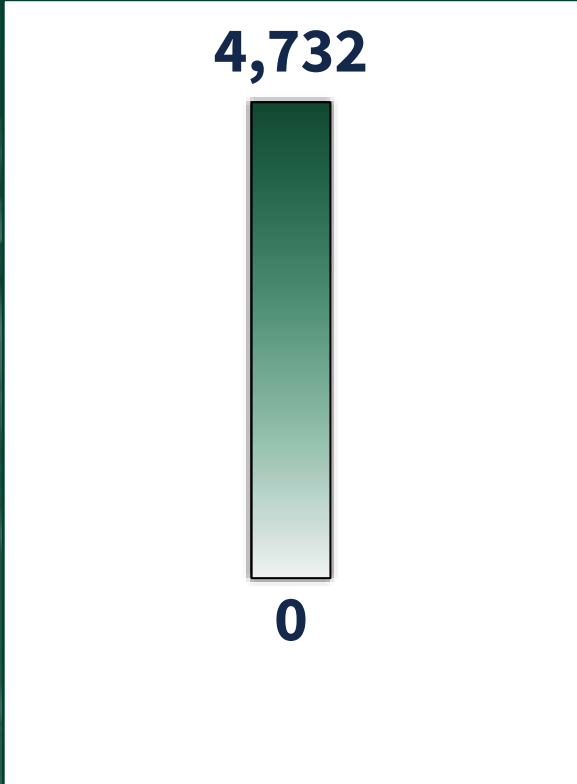


Number of producers

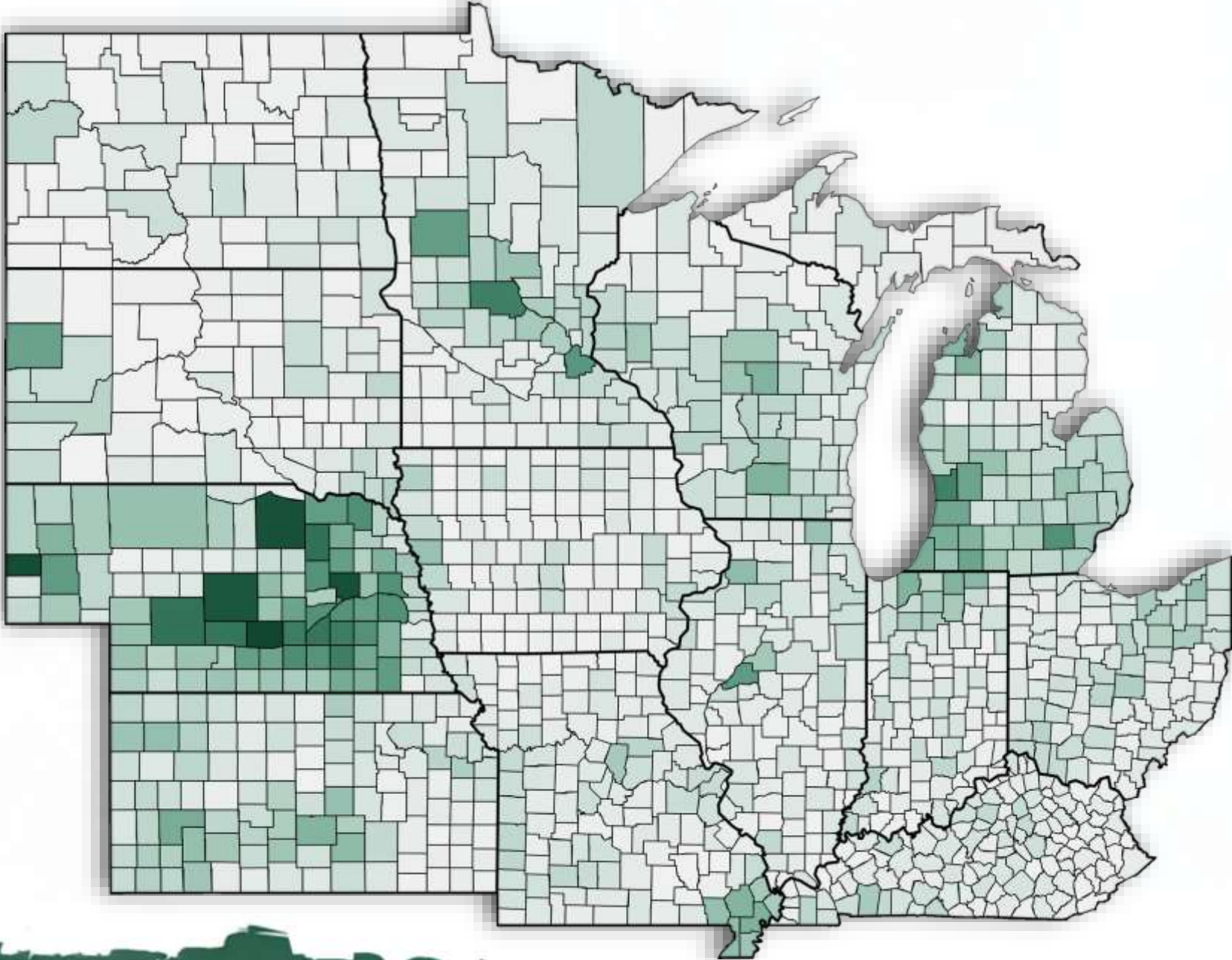
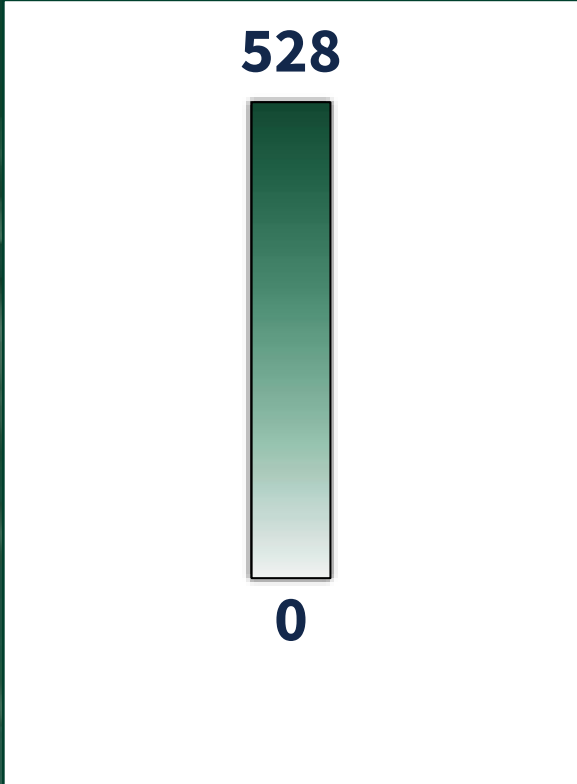
1	Texas	402,876
2	Missouri	156,652
3	Iowa	153,680
4	Ohio	132,912
6	Illinois	121,342
8	Kentucky	119,132
9	Minnesota	114,868
11	Wisconsin	105,920
12	Kansas	100,655
13	Indiana	94,282
15	Michigan	80,473
16	Nebraska	80,283
28	South Dakota	51,071
30	North Dakota	43,560
50	Rhode Island	1,938



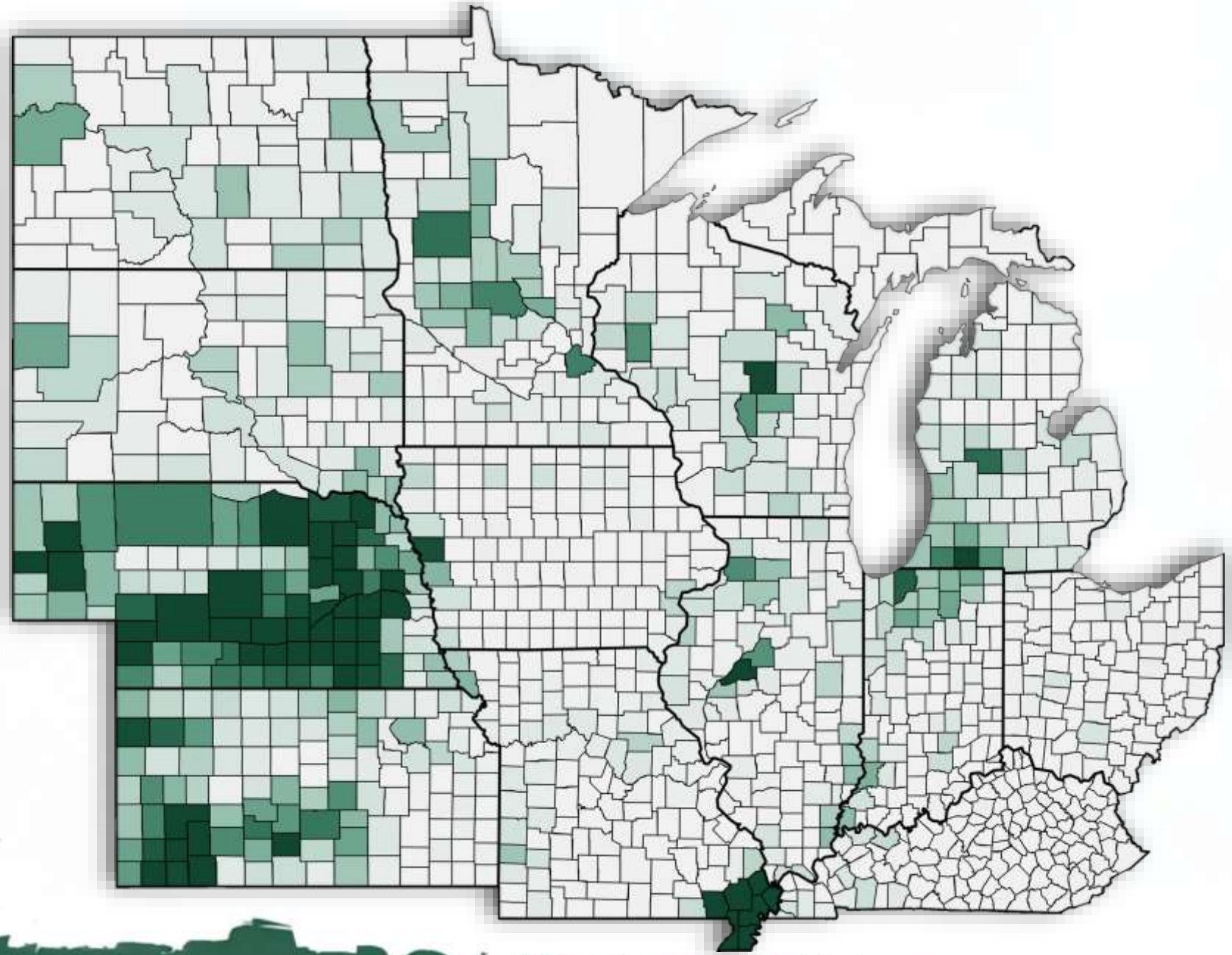
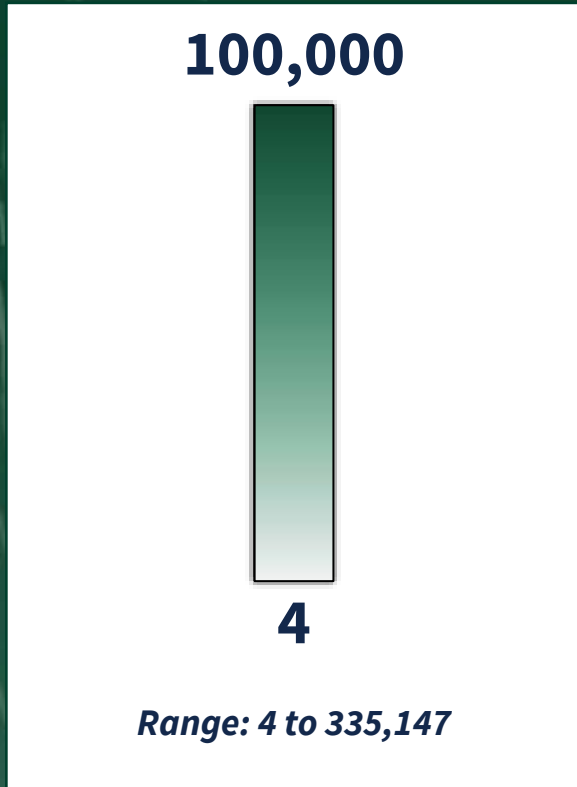
Producers - number of producers



Irrigation Farms

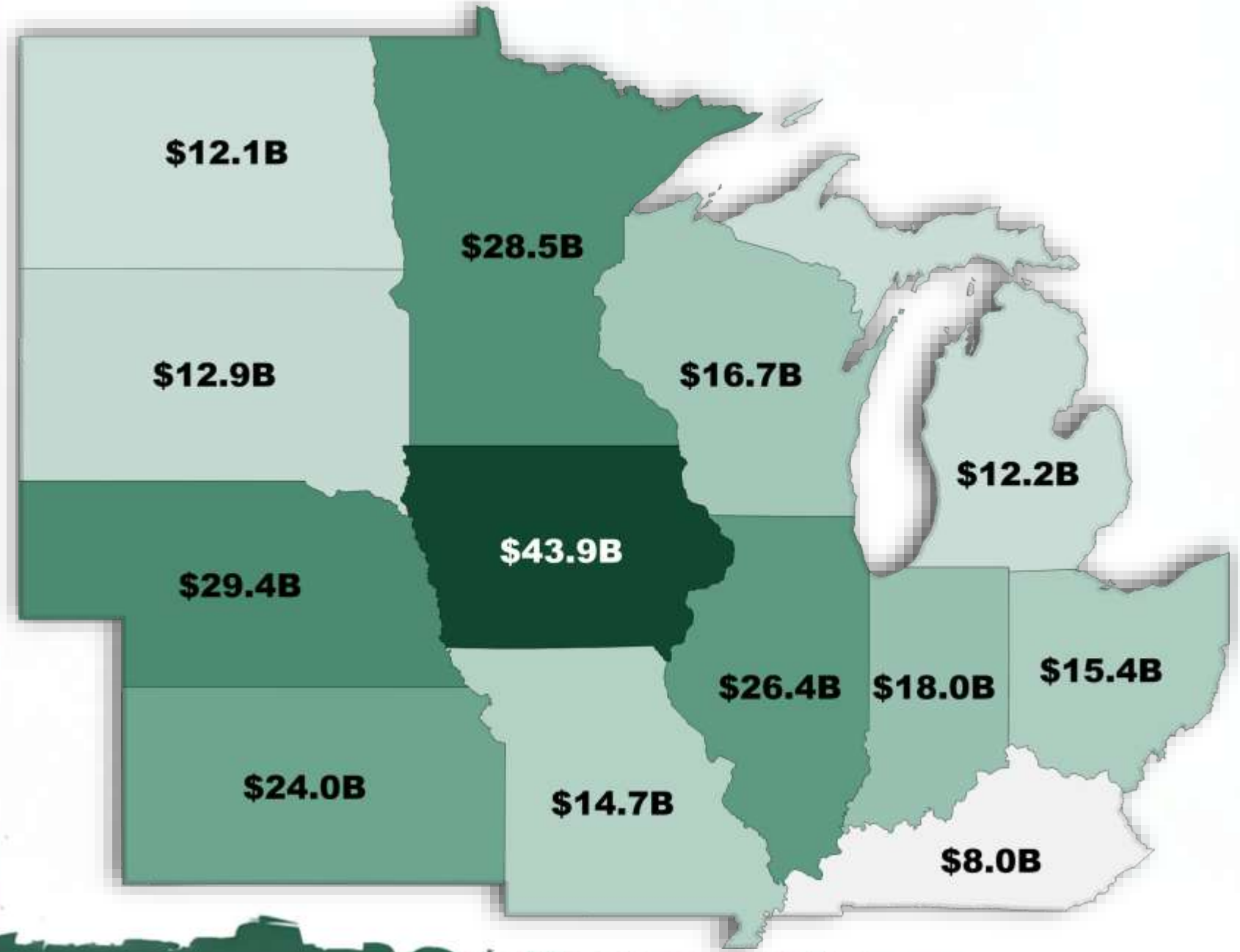


Irrigation Acres



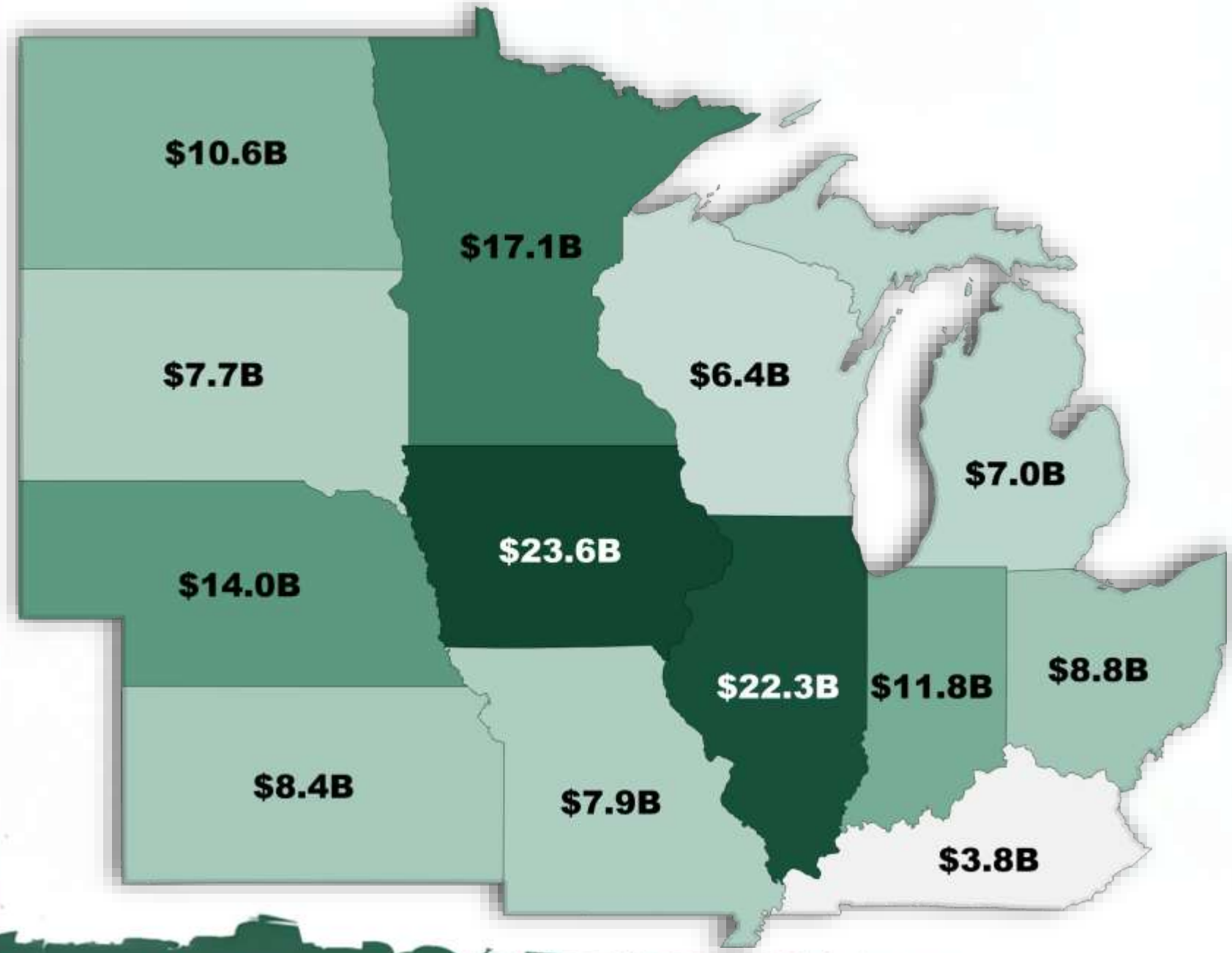
Total ag sales (crop + livestock)

1	California	\$59.0B
2	Iowa	\$43.9B
3	Texas	\$32.2B
4	Nebraska	\$29.4B
5	Minnesota	\$28.5B
6	Illinois	\$26.4B
7	Kansas	\$24.0B
9	Indiana	\$18.0B
10	Wisconsin	\$16.7B
11	Ohio	\$15.4B
12	Missouri	\$14.7B
15	South Dakota	\$12.9B
17	Michigan	\$12.2B
18	North Dakota	\$12.1B
27	Kentucky	\$8.0B



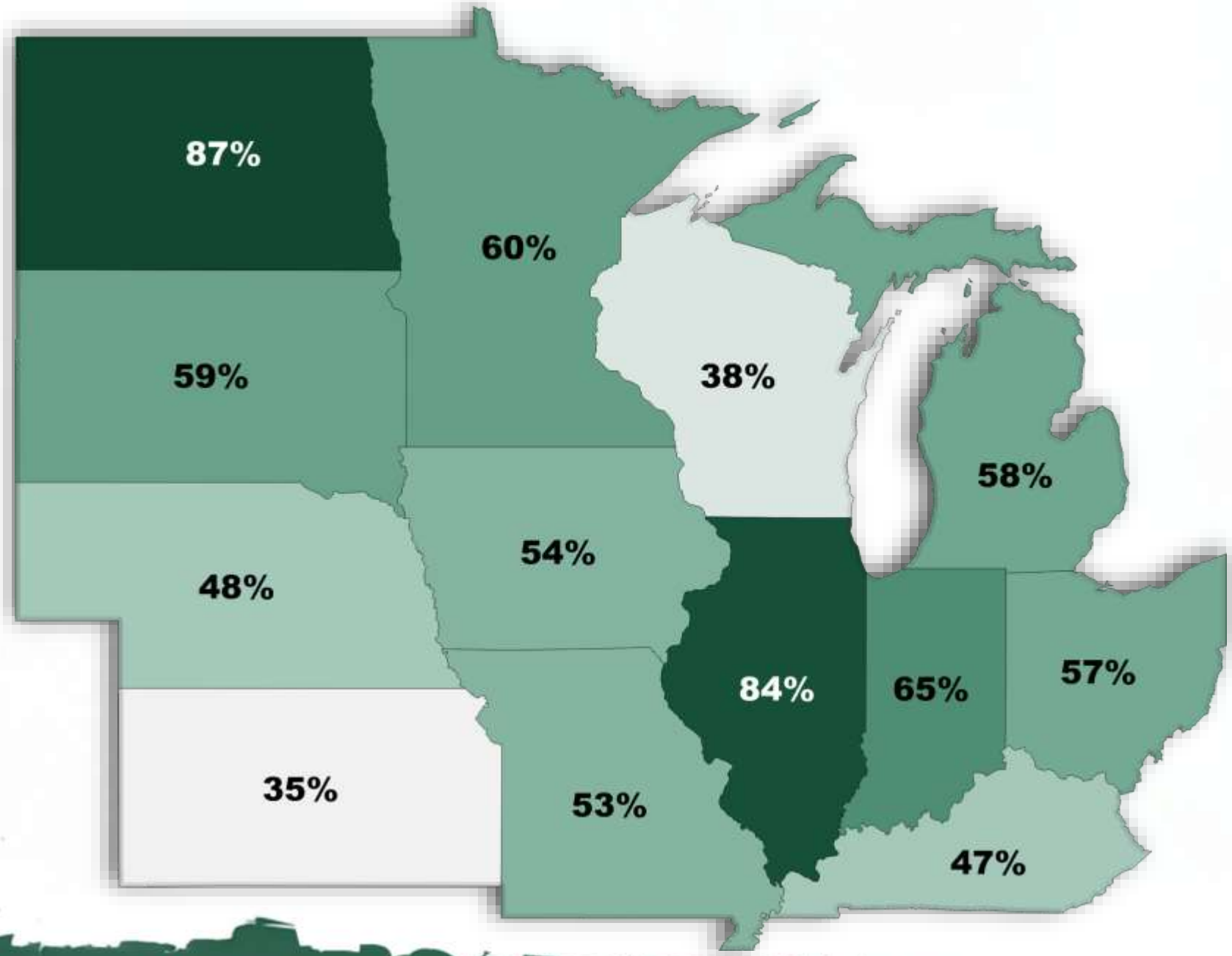
Crop sales

1	California	\$43.0B
2	Iowa	\$23.6B
3	Illinois	\$22.3B
4	Minnesota	\$17.1B
5	Nebraska	\$14.0B
6	Indiana	\$11.8B
7	North Dakota	\$10.6B
9	Ohio	\$8.8B
10	Kansas	\$8.4B
12	Missouri	\$7.9B
13	South Dakota	\$7.7B
15	Michigan	\$7.0B
16	Wisconsin	\$6.4B
22	Kentucky	\$3.8B



Crop sales as % of total

1	New Jersey	91%
2	North Dakota	87%
3	Illinois	84%
14	Indiana	65%
15	Minnesota	60%
16	South Dakota	59%
20	Michigan	58%
21	Ohio	57%
23	Iowa	54%
24	Missouri	53%
25	Nebraska	48%
26	Kentucky	47%
33	Wisconsin	38%
36	Kansas	35%
50	Oklahoma	19%





Livestock



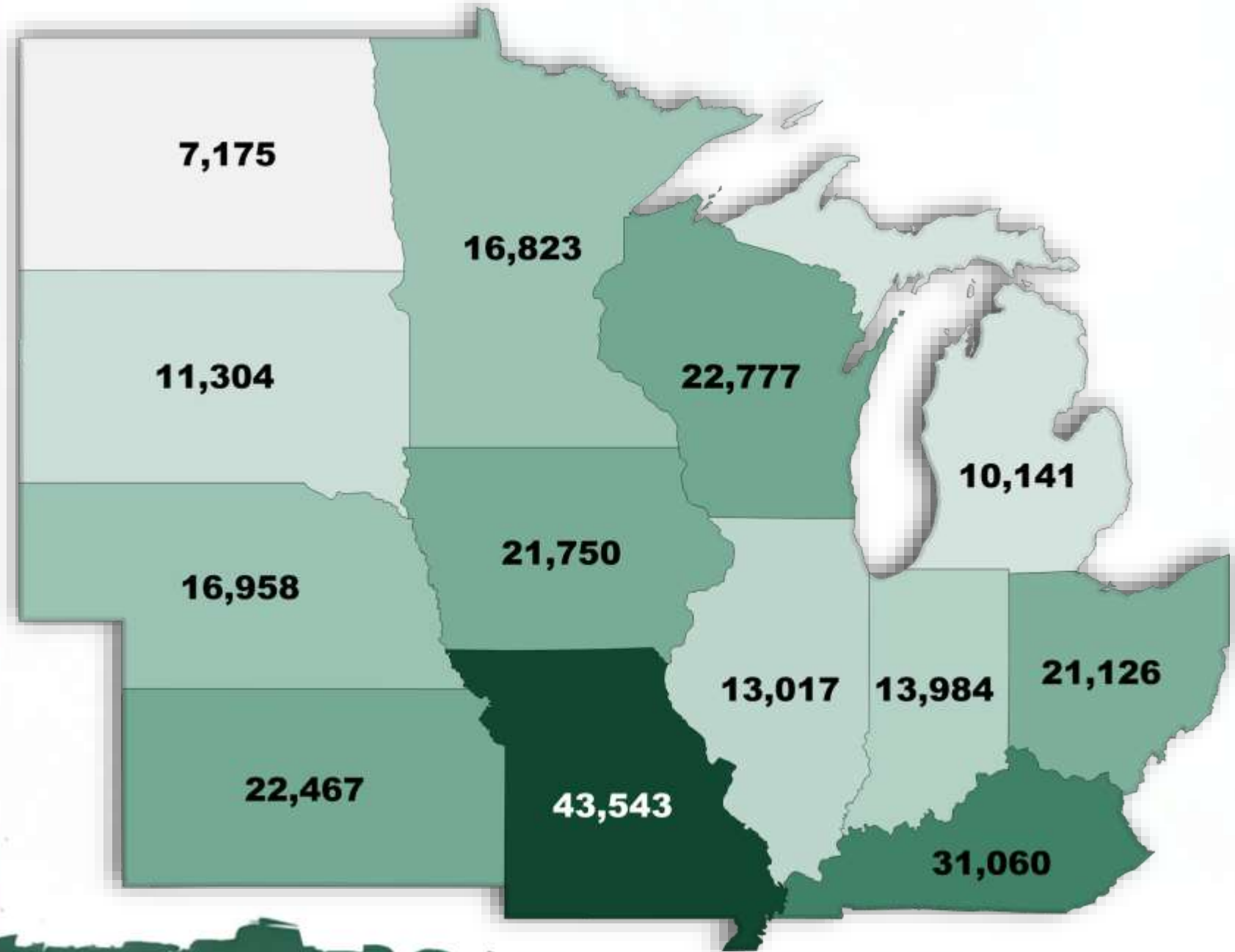
How many cattle farms are in Missouri?

- 30K to 35K
- 35,001 to 40K
- 40,001 to 45K
- 45,001 to 50K
- More than 50K



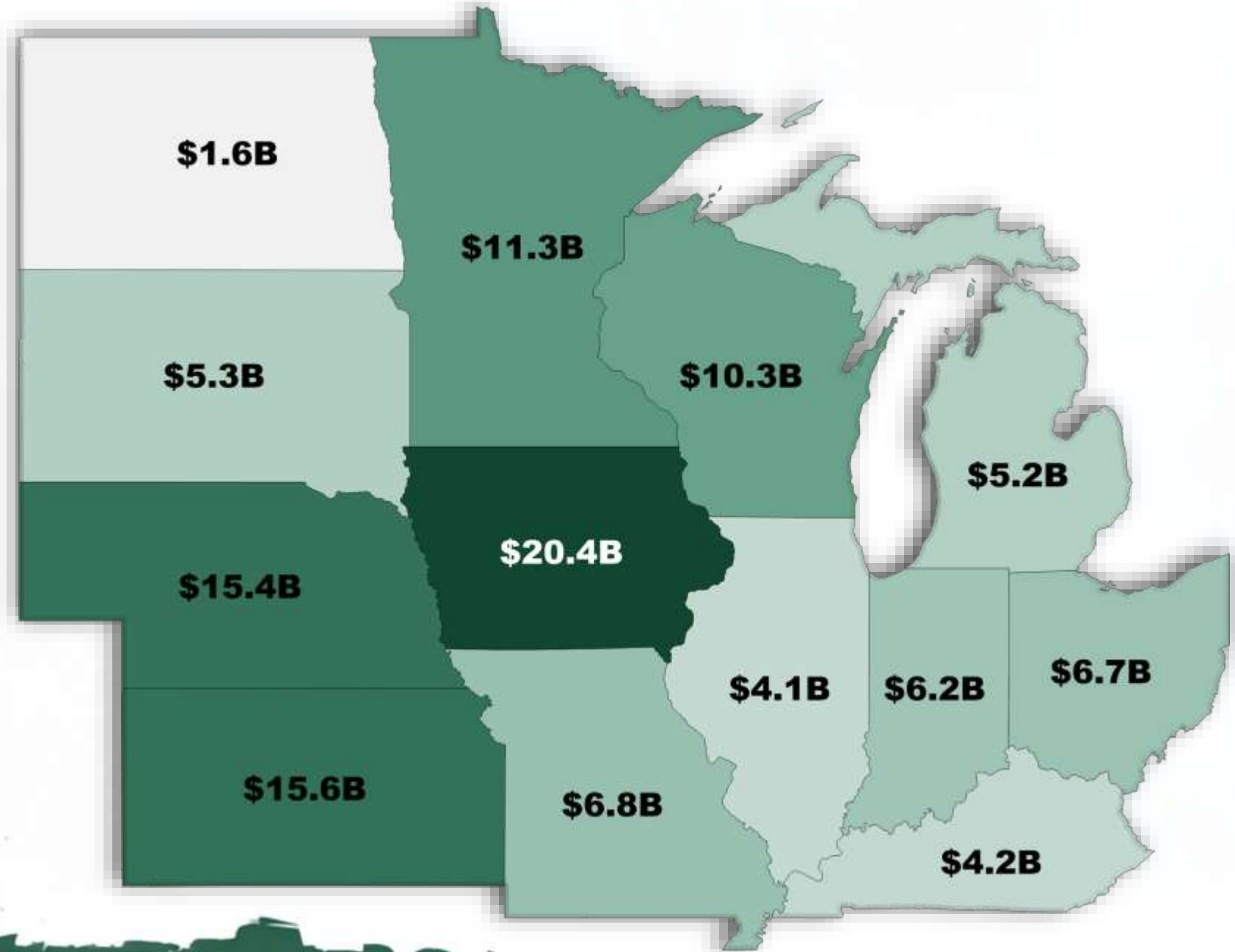
Cattle farms

1	Texas	131,815
2	Missouri	43,543
4	Kentucky	31,060
6	Wisconsin	22,777
7	Kansas	22,467
8	Iowa	21,750
9	Ohio	21,126
15	Nebraska	16,958
16	Minnesota	16,823
18	Indiana	13,984
21	Illinois	13,017
25	South Dakota	11,304
27	Michigan	10,141
35	North Dakota	7,175



Livestock & products sales

1	Texas	\$24.9B
2	Iowa	\$20.4B
4	Kansas	\$15.6B
5	Nebraska	\$15.4B
7	Minnesota	\$11.3B
8	Wisconsin	\$10.3B
13	Missouri	\$6.8B
15	Ohio	\$6.7B
17	Indiana	\$6.2B
19	South Dakota	\$5.3B
20	Michigan	\$5.2B
23	Kentucky	\$4.2B
24	Illinois	\$4.1B
37	North Dakota	\$1.6B



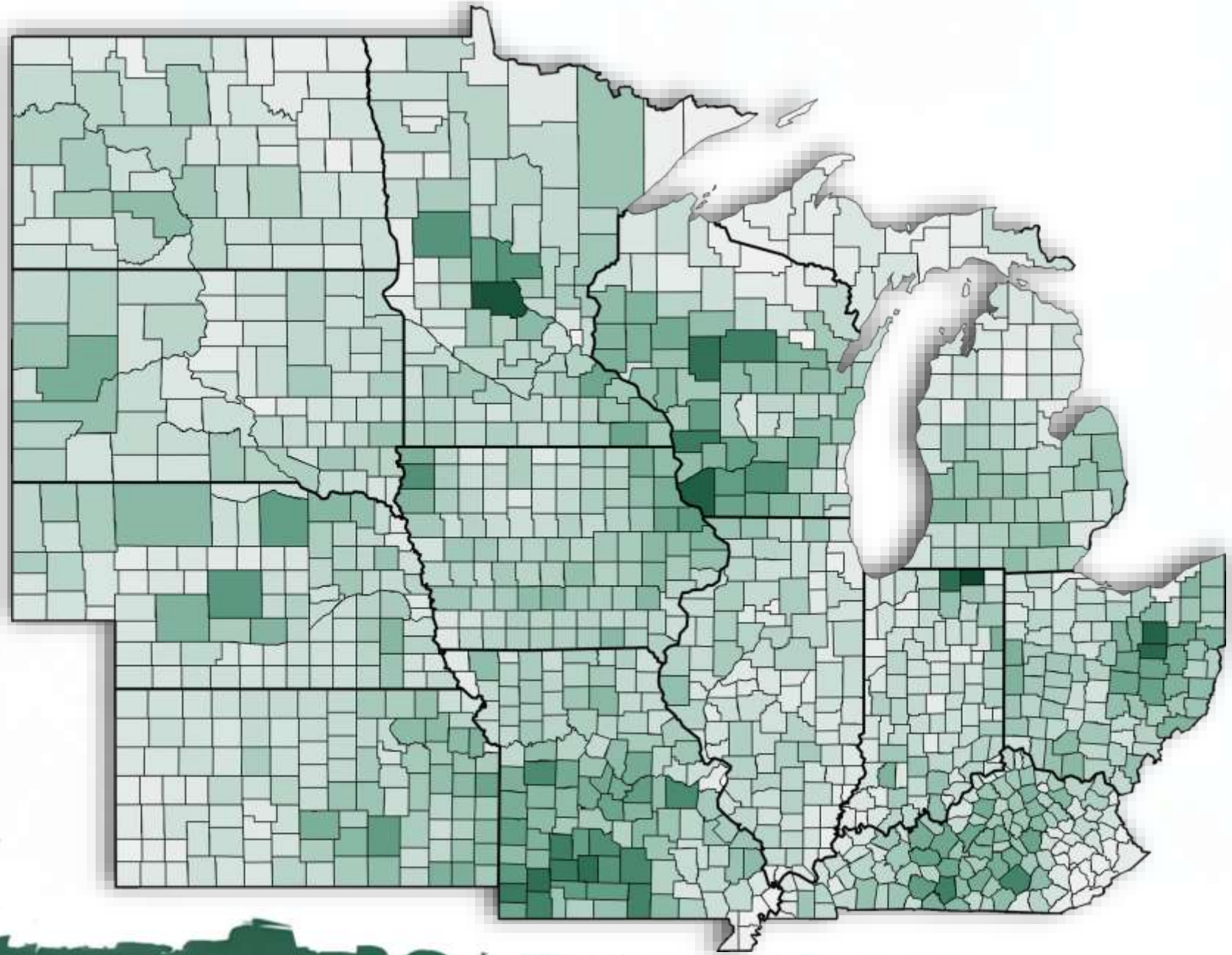
Value of sales for livestock and livestock products

≥ \$1 Billion



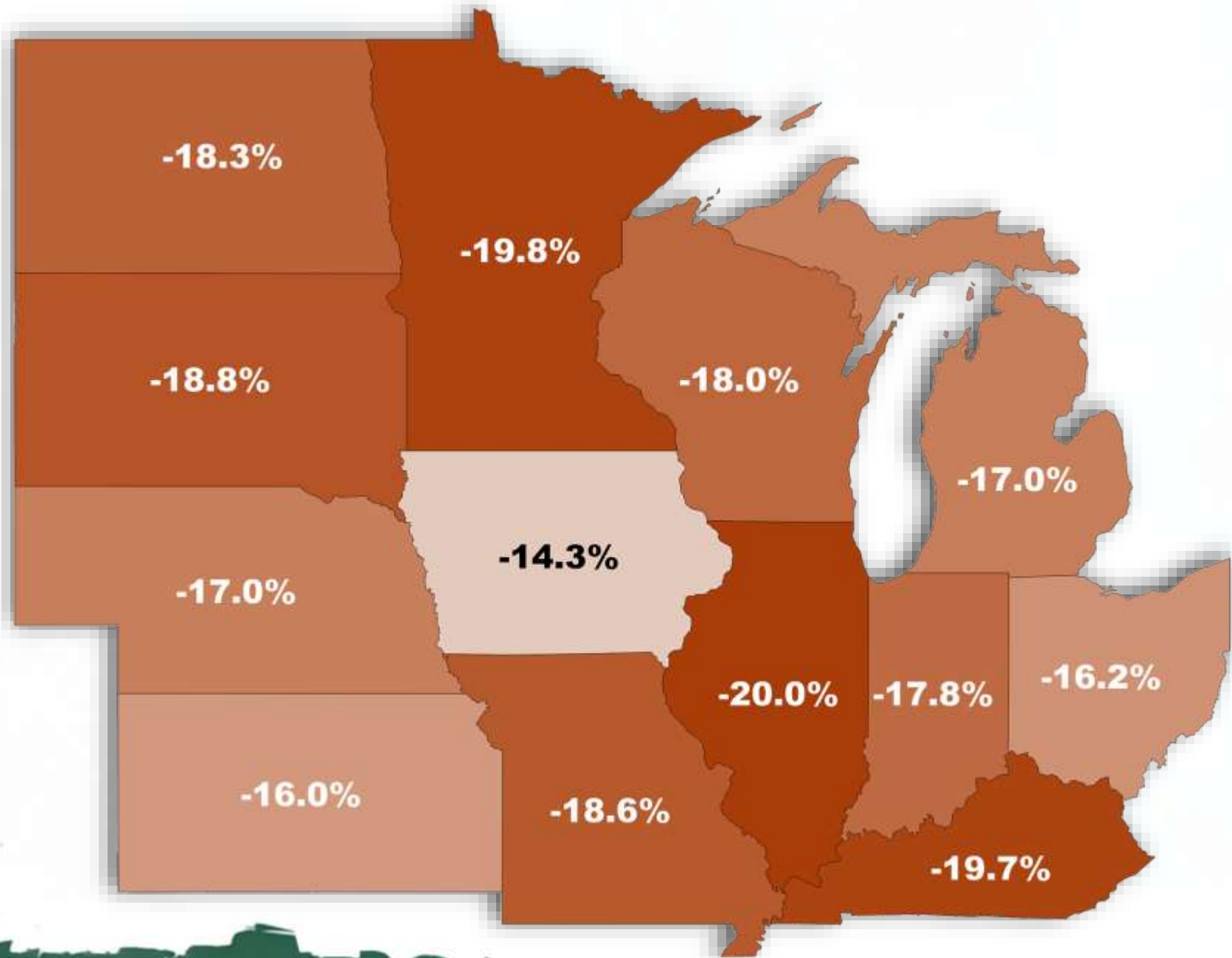
\$11,000

Range: \$11,000 to \$1.9 Billion



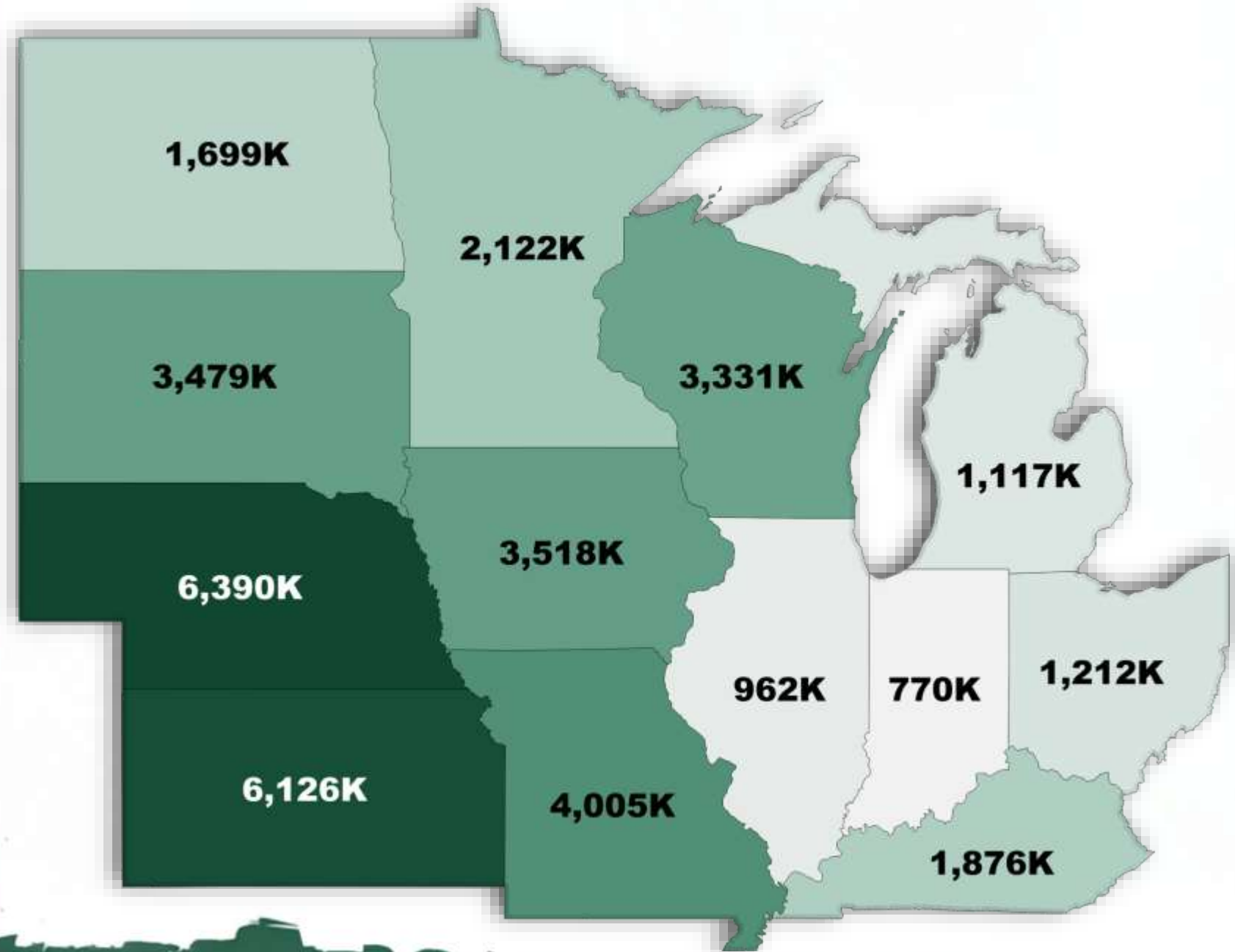
Cattle farms % change

1	Alaska	20.3%
11	Iowa	-14.3%
18	Kansas	-16.0%
19	Ohio	-16.2%
24	Nebraska	-17.0%
25	Michigan	-17.0%
29	Indiana	-17.8%
31	Wisconsin	-18.0%
32	North Dakota	-18.3%
34	Missouri	-18.6%
38	South Dakota	-18.8%
40	Kentucky	-19.7%
41	Minnesota	-19.8%
42	Illinois	-20.0%
50	Vermont	-27.0%



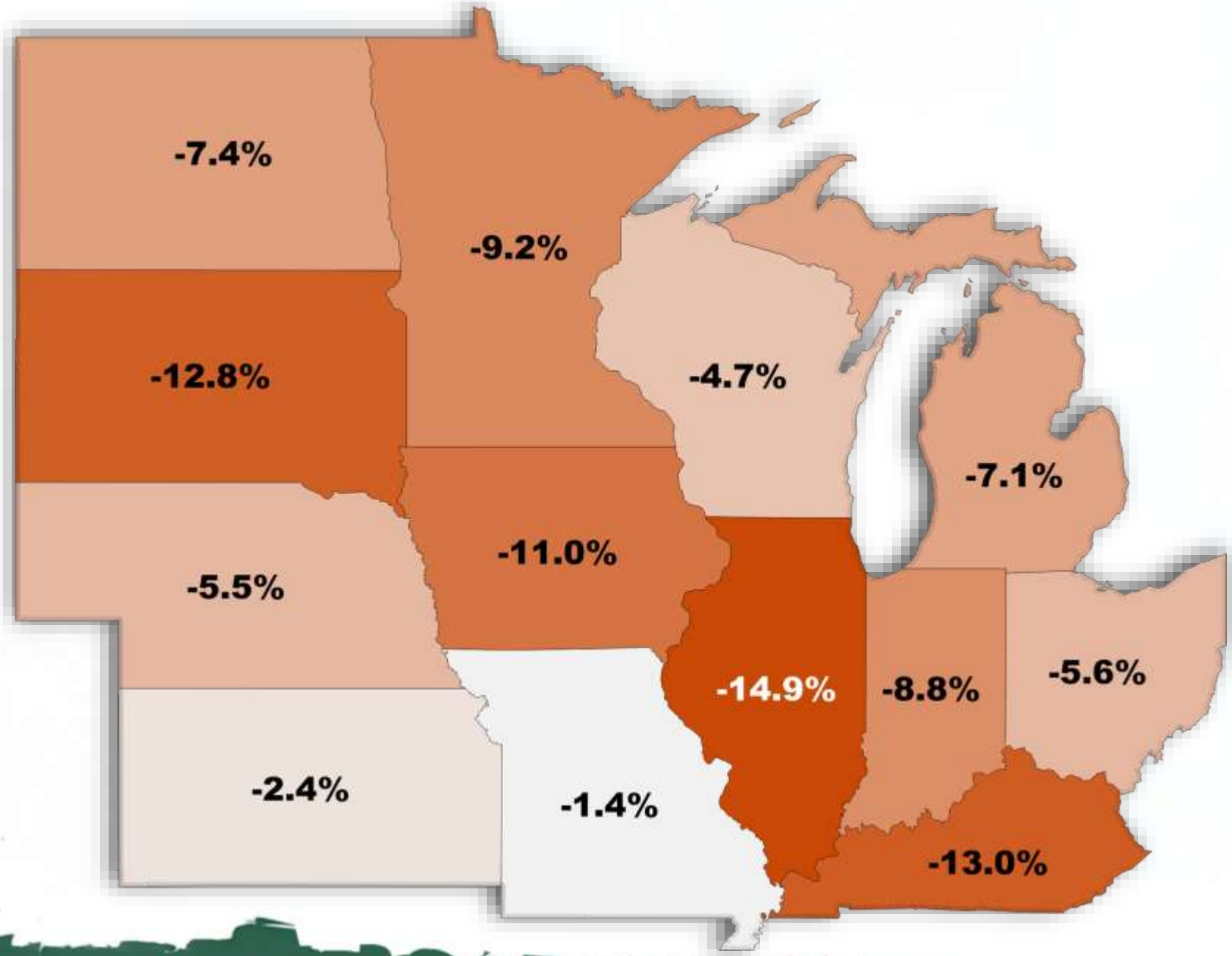
Cattle inventory

1	Texas	12,543,300
2	Nebraska	6,390,191
3	Kansas	6,126,402
6	Missouri	4,004,872
7	Iowa	3,517,805
8	South Dakota	3,478,908
9	Wisconsin	3,330,920
12	Minnesota	2,121,625
14	Kentucky	1,876,383
15	North Dakota	1,699,272
25	Ohio	1,212,468
28	Michigan	1,116,557
31	Illinois	962,040
33	Indiana	770,048



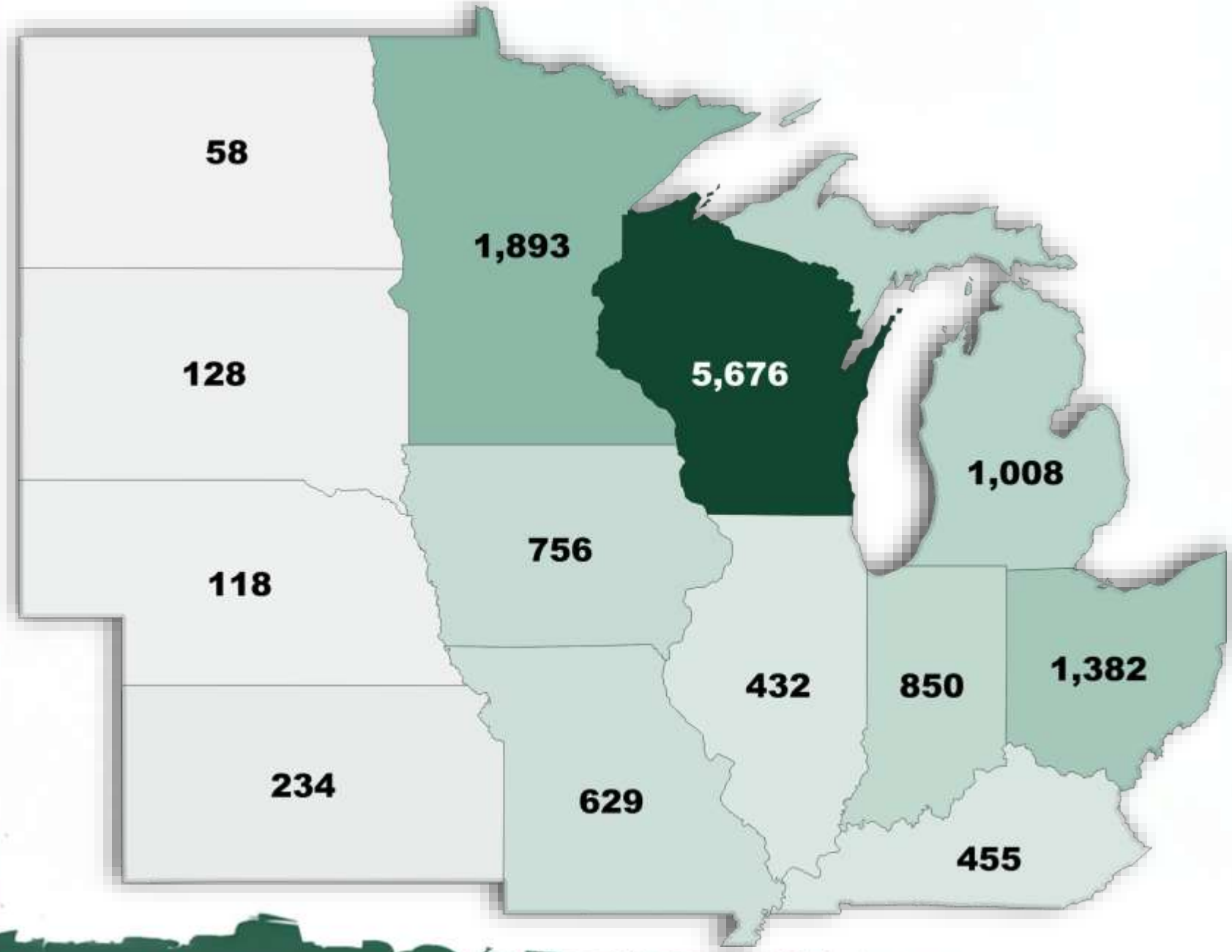
Cattle inventory % change

1	Alaska	13%
2	Idaho	3%
3	California	1%
4	Texas	0%
5	Missouri	-1%
14	Wisconsin	-5%
19	Ohio	-6%
22	Michigan	-7%
29	Indiana	-9%
43	Illinois	-15%
50	Delaware	-32%

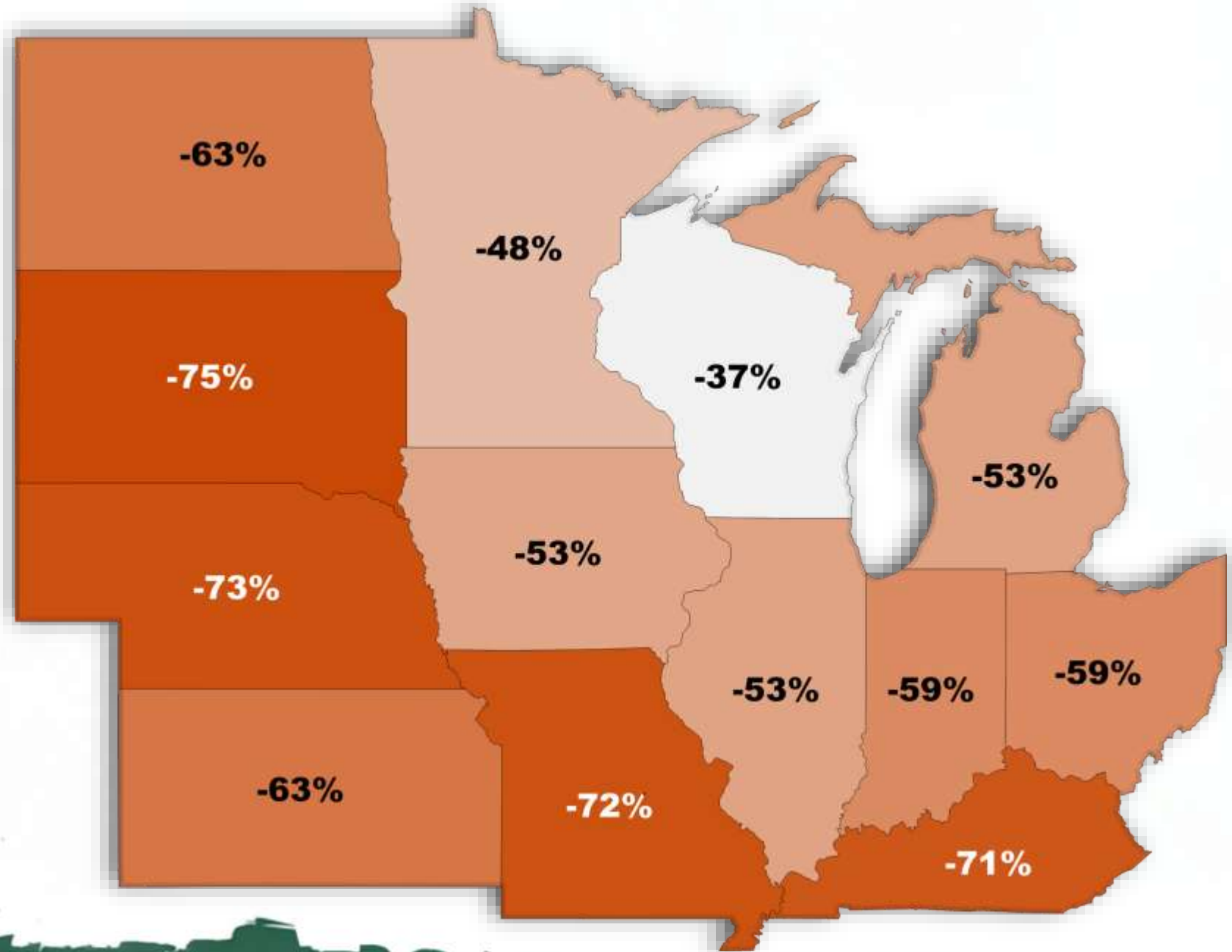


Dairy farms

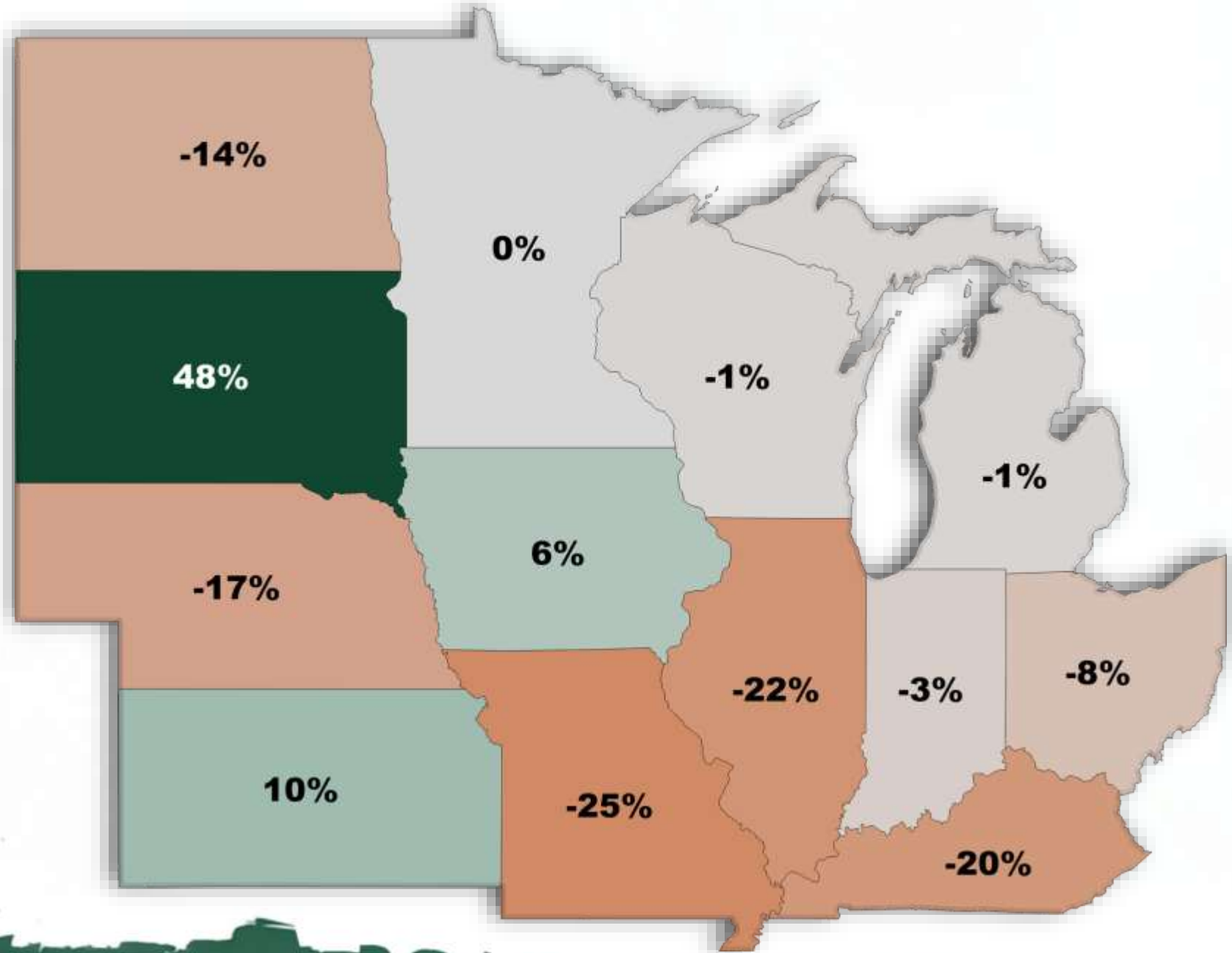
1	Wisconsin	5,676
4	Minnesota	1,893
5	Ohio	1,382
6	Michigan	1,008
7	California	855
8	Indiana	850
9	Iowa	756
10	Missouri	629
11	Kentucky	455
13	Illinois	432
19	Kansas	234
28	South Dakota	128
29	Nebraska	118
40	North Dakota	58



Dairy farm percent change

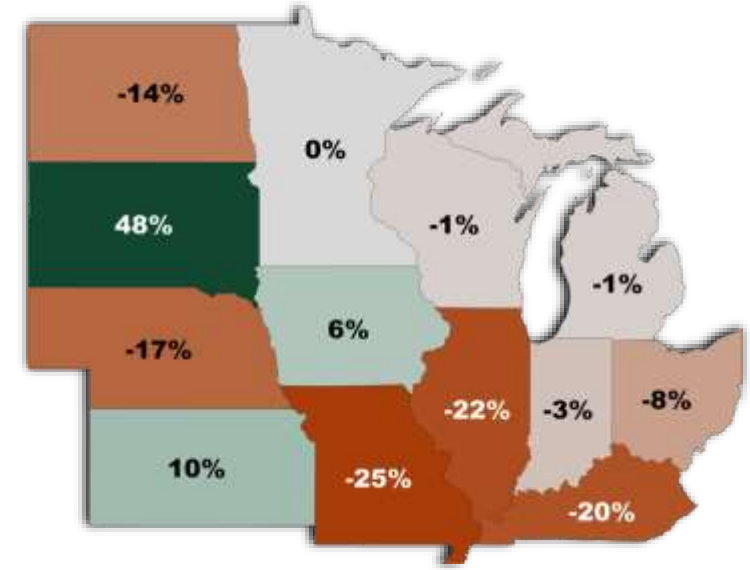
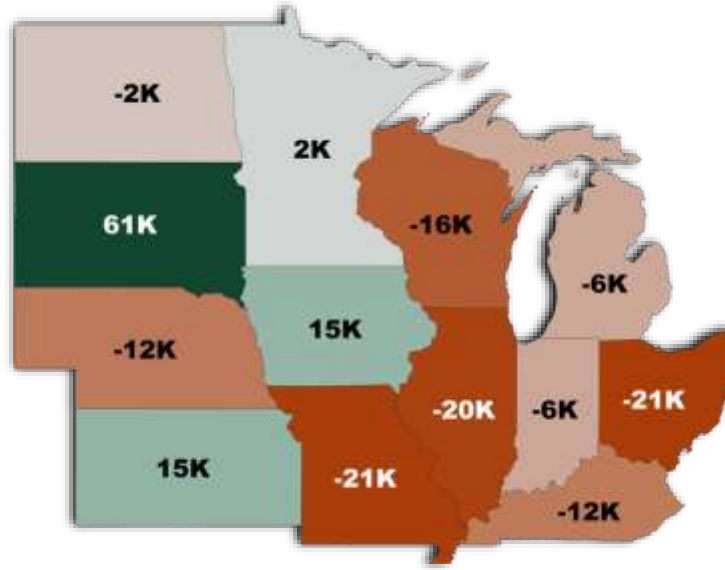
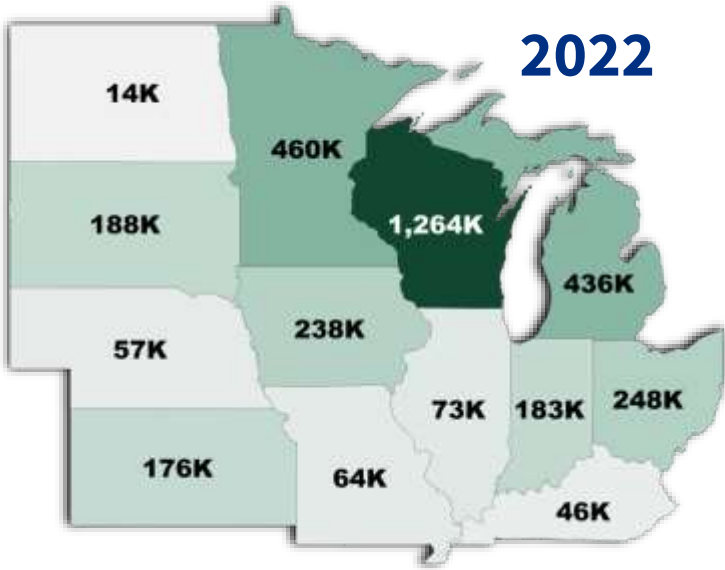


Dairy cattle percent change



Dairy Cows

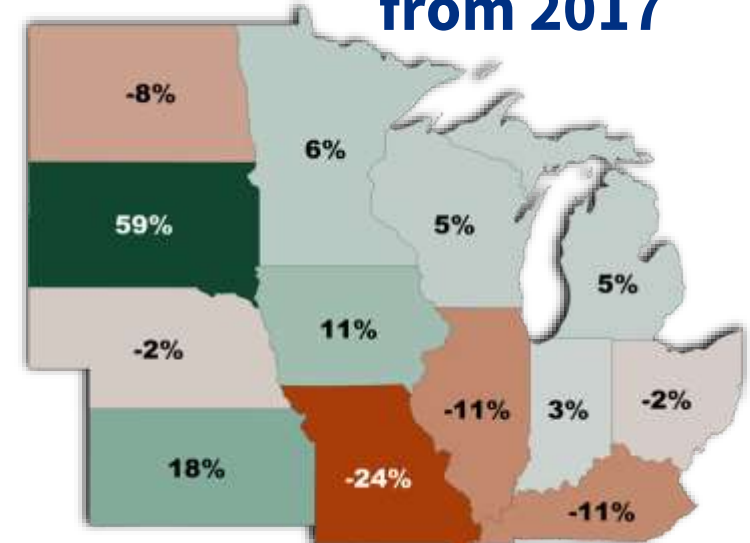
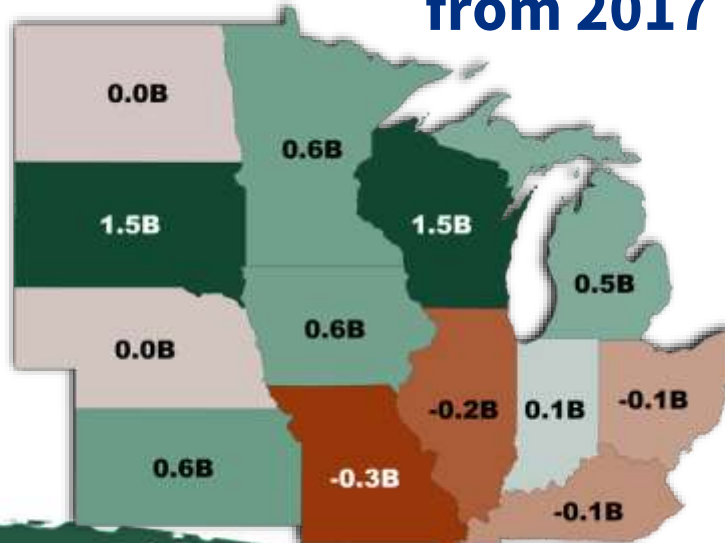
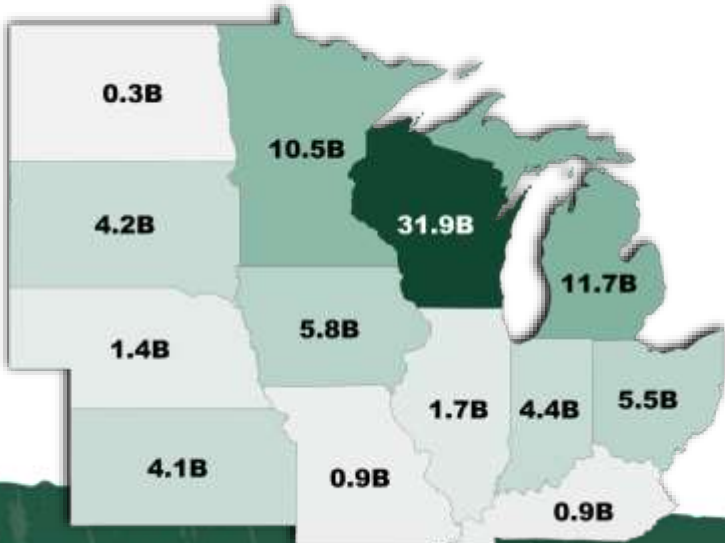
2022



Milk Production in pounds

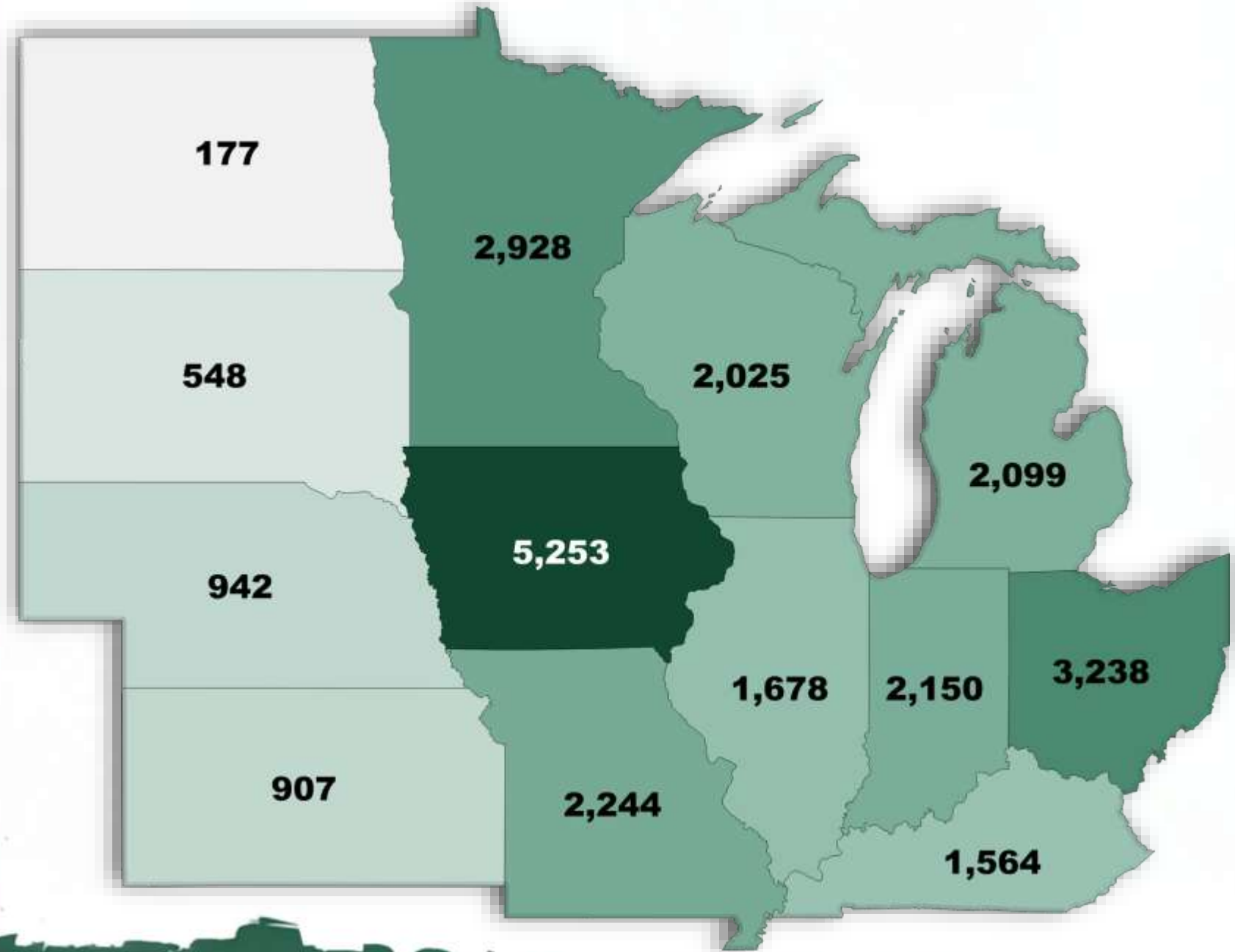
Difference from 2017

% Difference from 2017



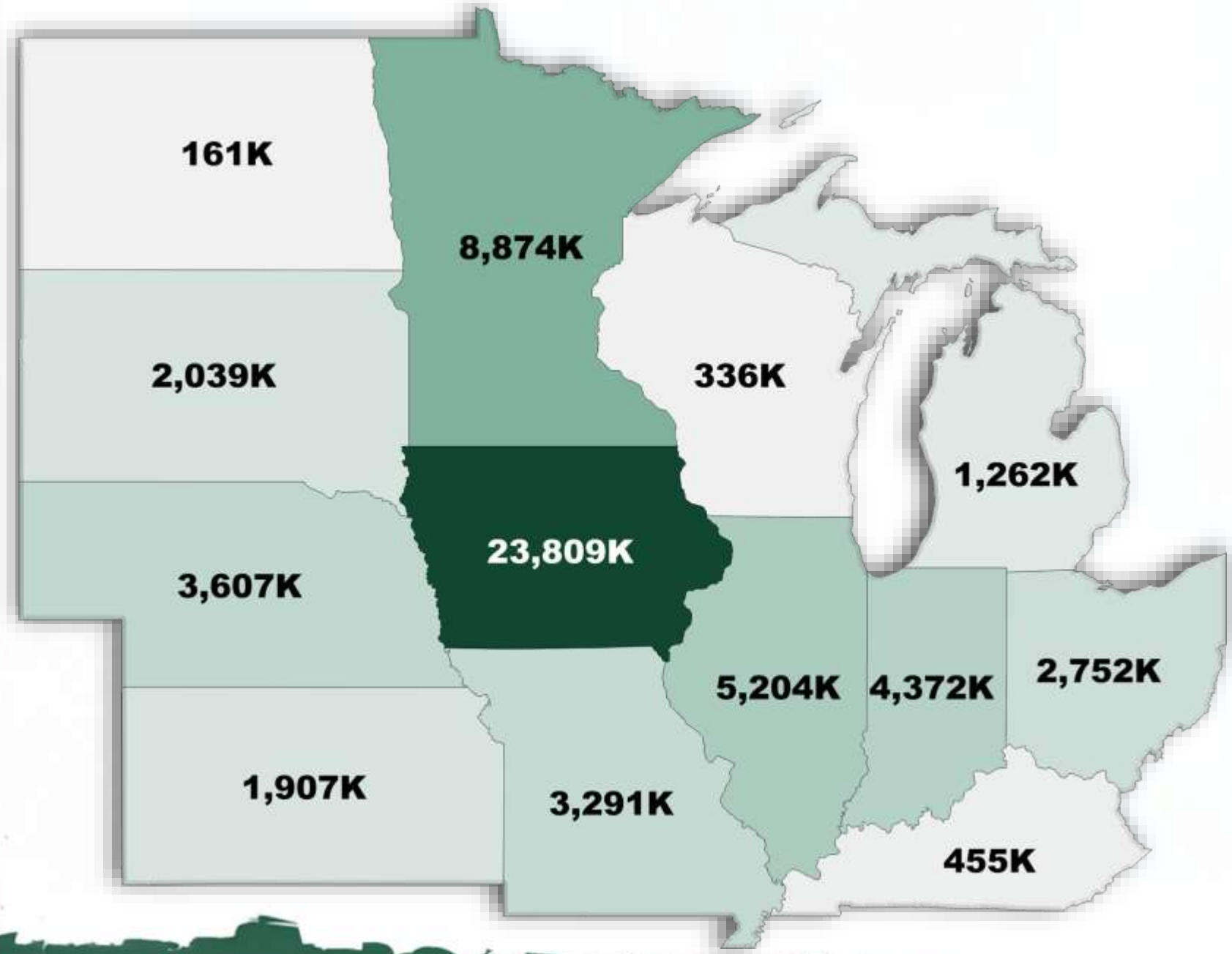
Hog farms

1 Texas	5,837
2 Iowa	5,253
3 Ohio	3,238
4 Minnesota	2,928
7 Missouri	2,244
9 Indiana	2,150
10 Michigan	2,099
11 Wisconsin	2,025
12 Illinois	1,678
14 Kentucky	1,564
24 Nebraska	942
27 Kansas	907
34 South Dakota	548
46 North Dakota	177



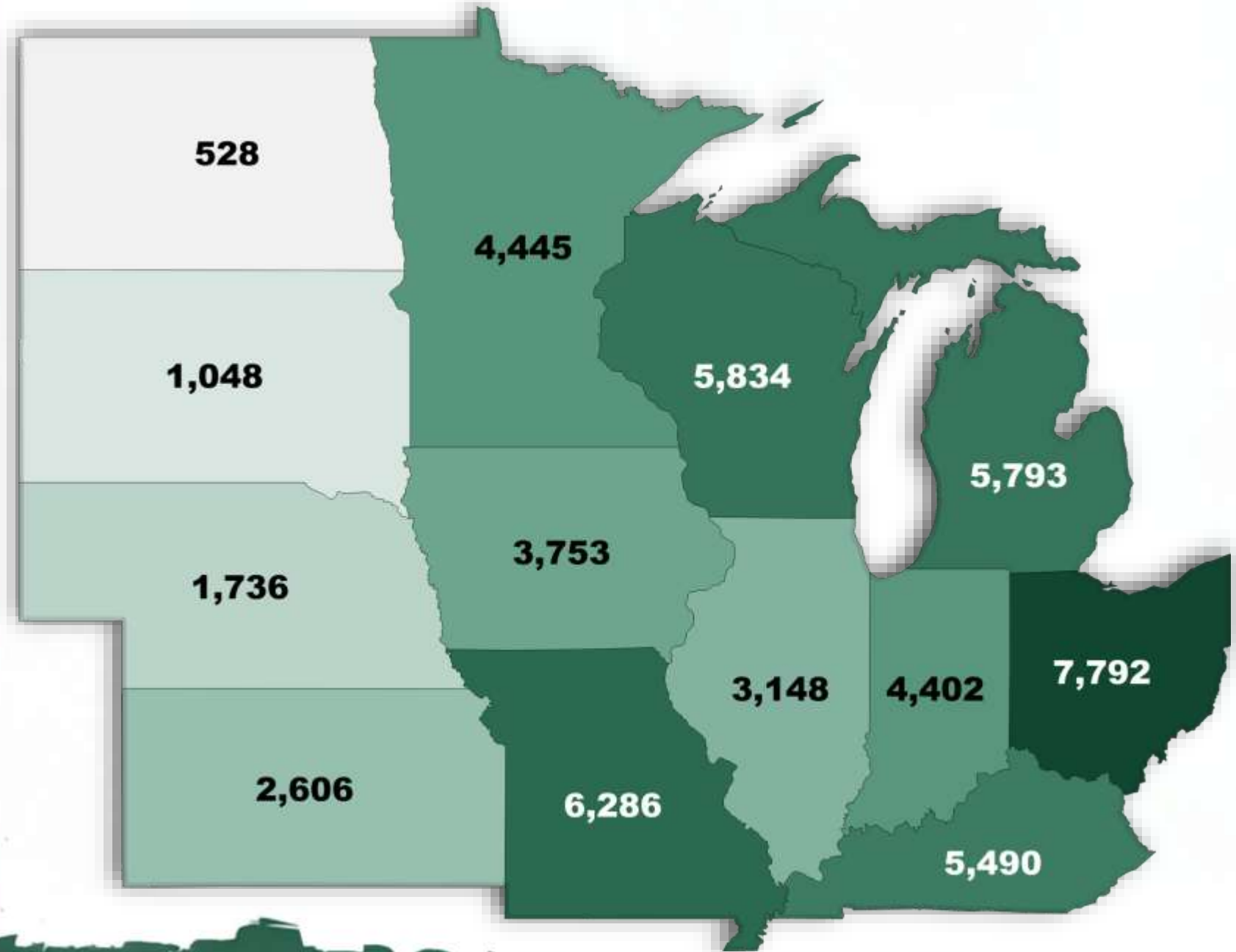
Hog inventory

1	Iowa	23,809K
2	Minnesota	8,874K
3	North Carolina	8,192K
4	Illinois	5,204K
5	Indiana	4,372K
6	Nebraska	3,607K
7	Missouri	3,291K
8	Ohio	2,752K
10	South Dakota	2,039K
11	Kansas	1,907K
13	Michigan	1,262K
14	Texas	1,189K
17	Kentucky	455K
18	Wisconsin	336K
23	North Dakota	161K

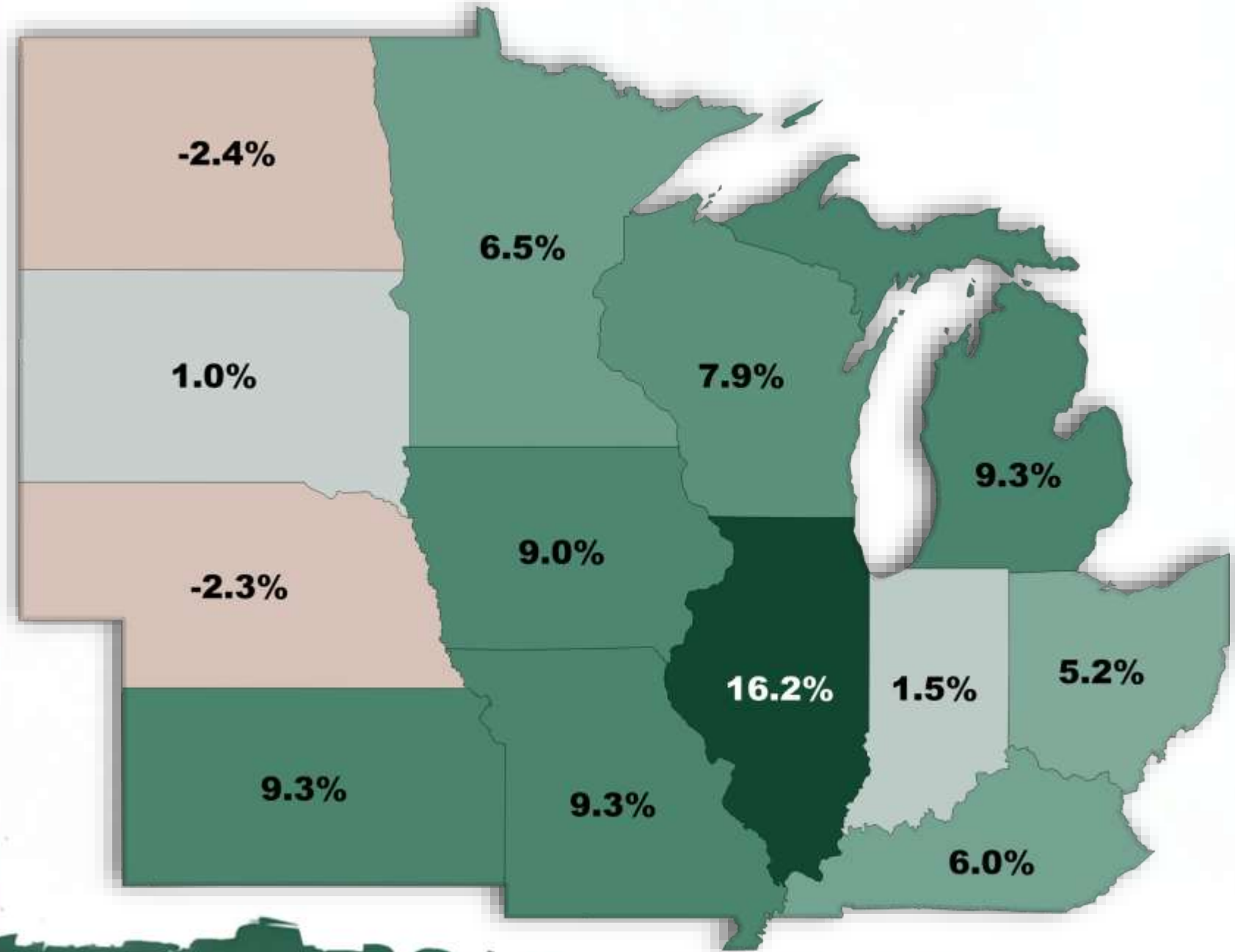


Number of poultry farms

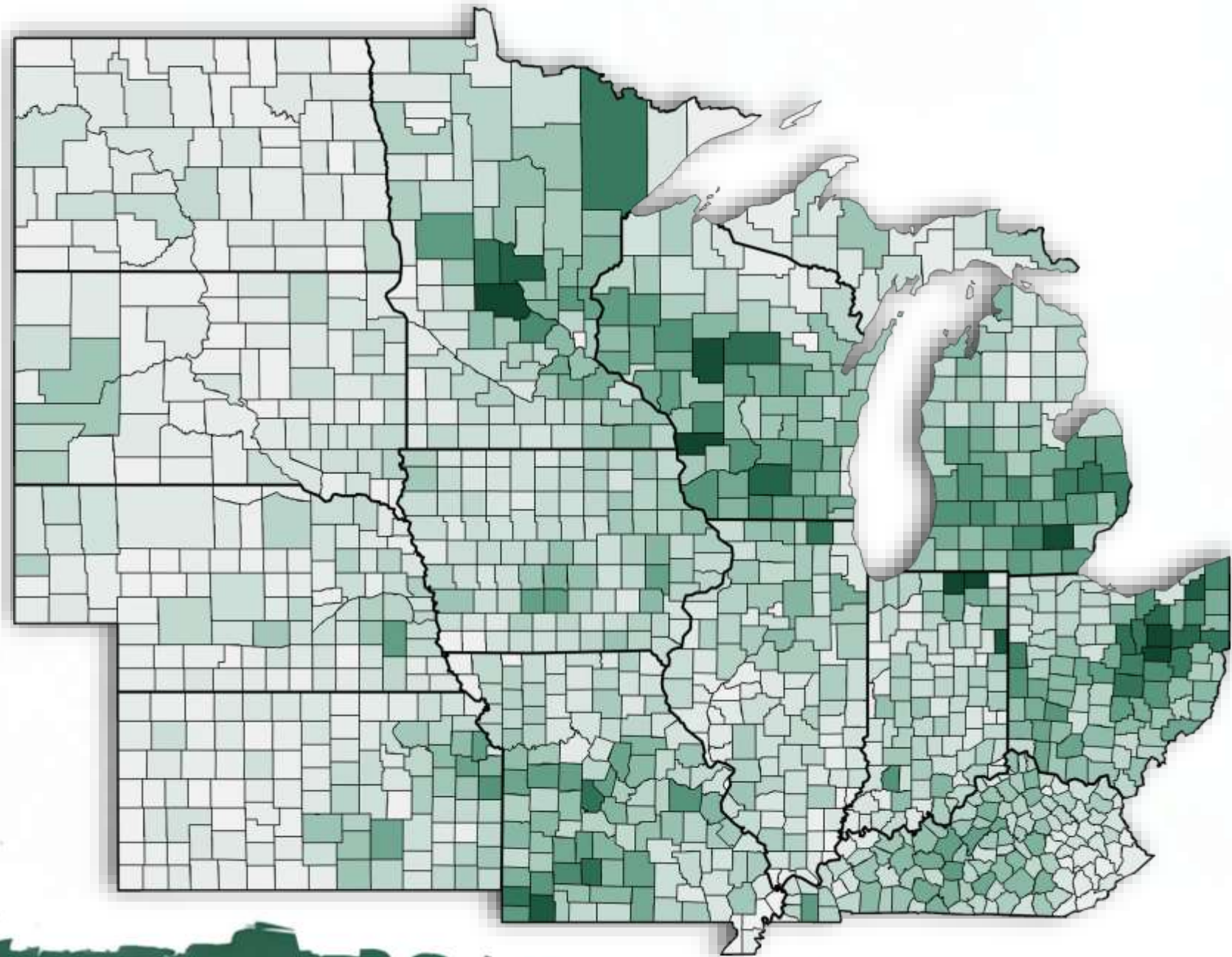
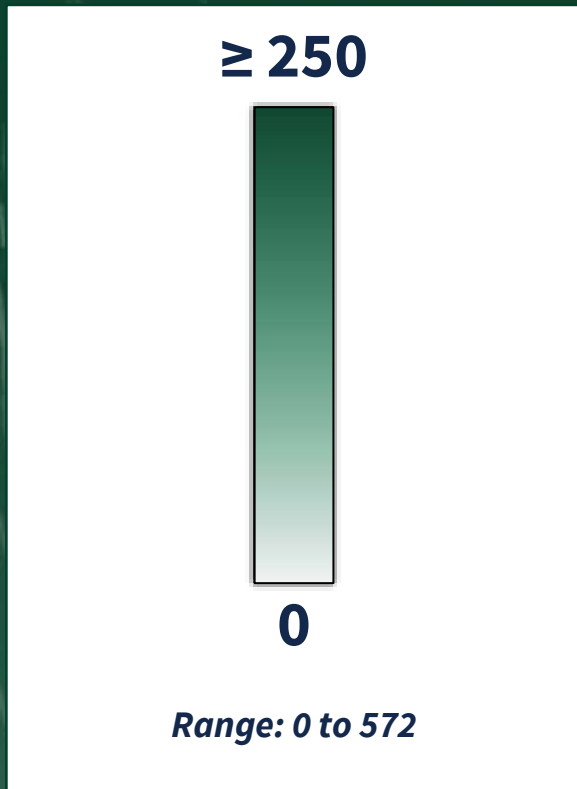
1	Texas	17,504
2	Ohio	7,792
3	Pennsylvania	7,072
4	Missouri	6,286
7	Wisconsin	5,834
8	Michigan	5,793
10	Kentucky	5,490
16	Minnesota	4,445
17	Indiana	4,402
21	Iowa	3,753
24	Illinois	3,148
28	Kansas	2,606
33	Nebraska	1,736
39	South Dakota	1,048
46	North Dakota	528



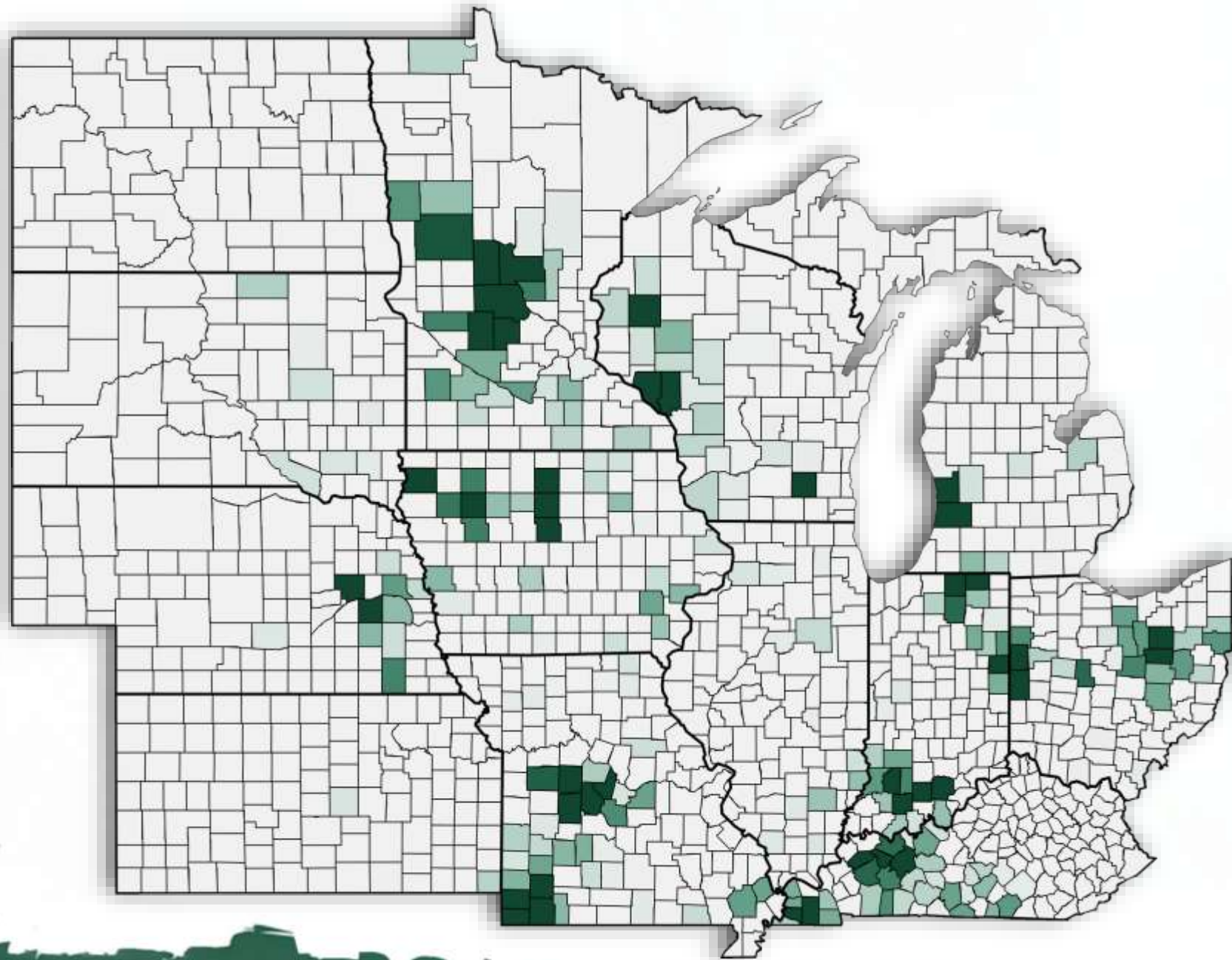
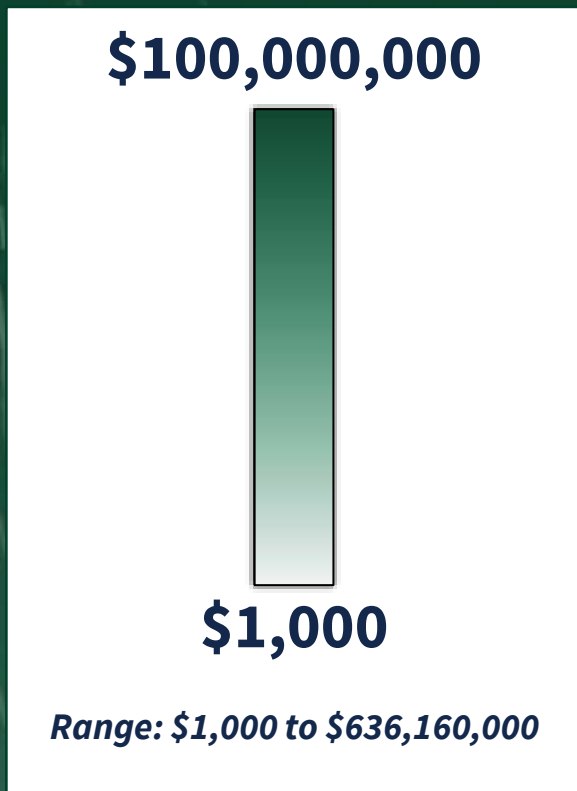
Change in poultry farms (with sales)



Operations with Poultry sales including eggs



Poultry totals, incl eggs - sales, measured in \$



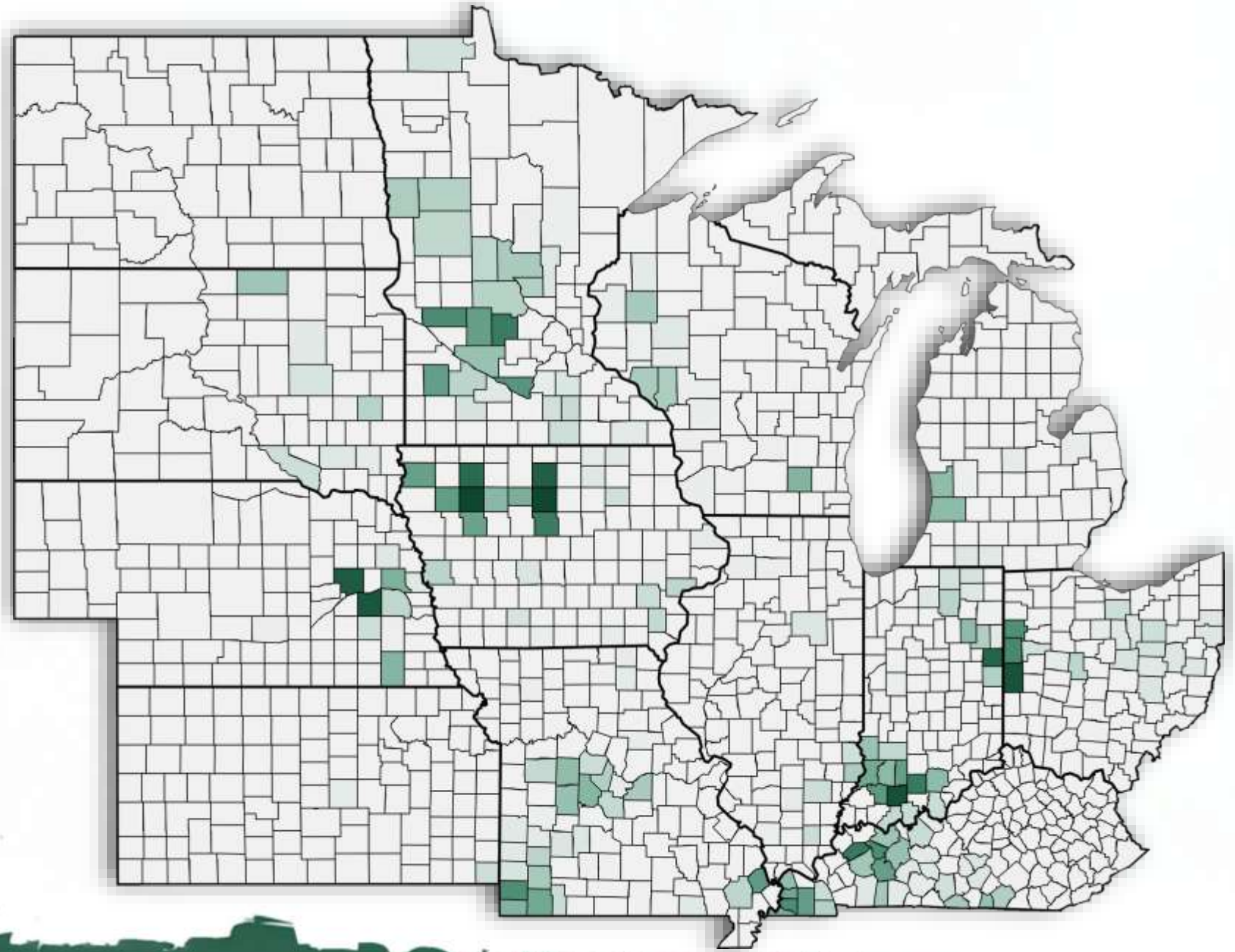
Poultry sales per operation

≥ \$5,000,000



\$167

Range: \$167 to \$6,735,361





Crops



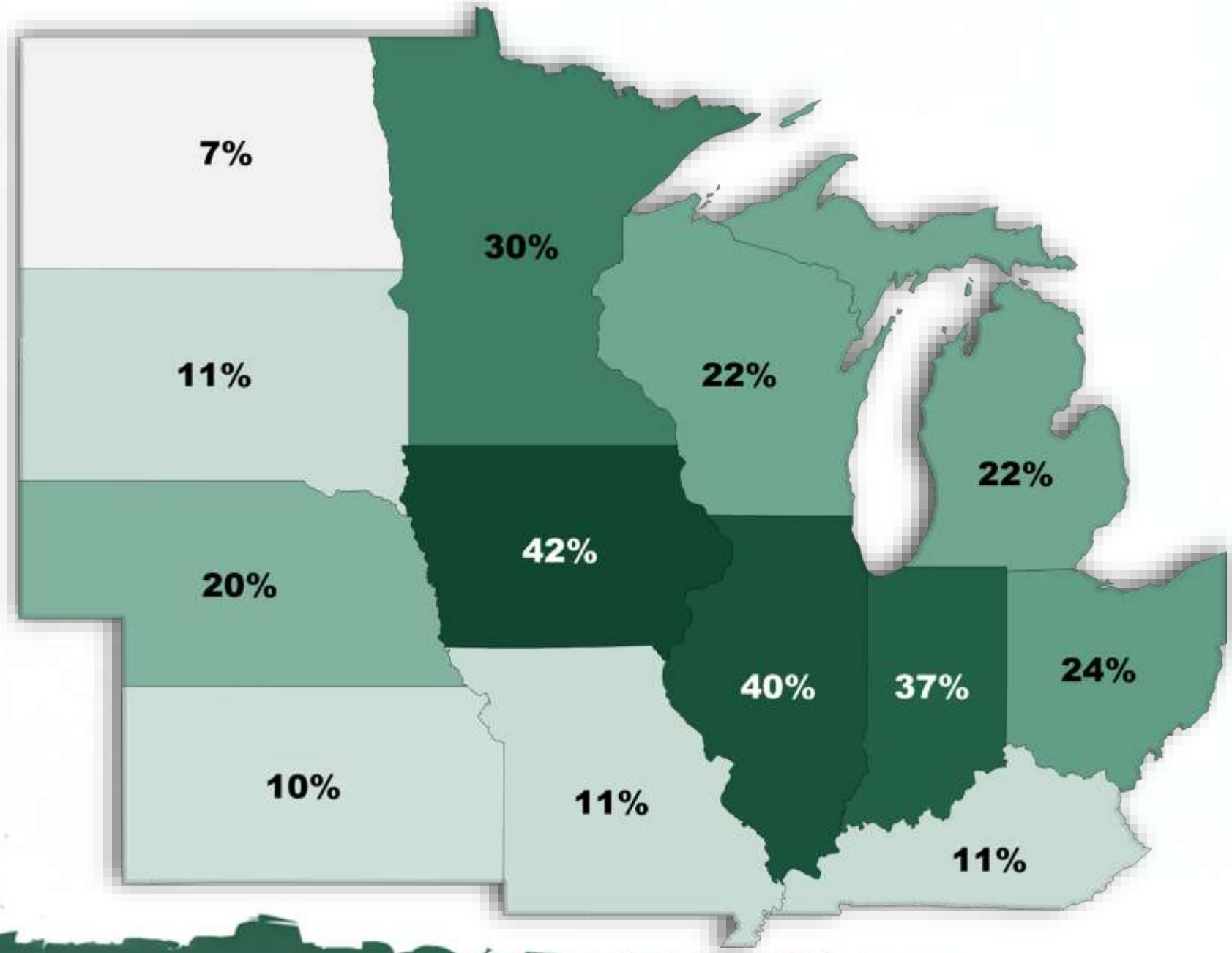
What percentage of ag land is used for corn in Iowa?

- Less than 30%
- 30 to 34%
- 35 to 39%
- 40 to 45%
- More than 45%

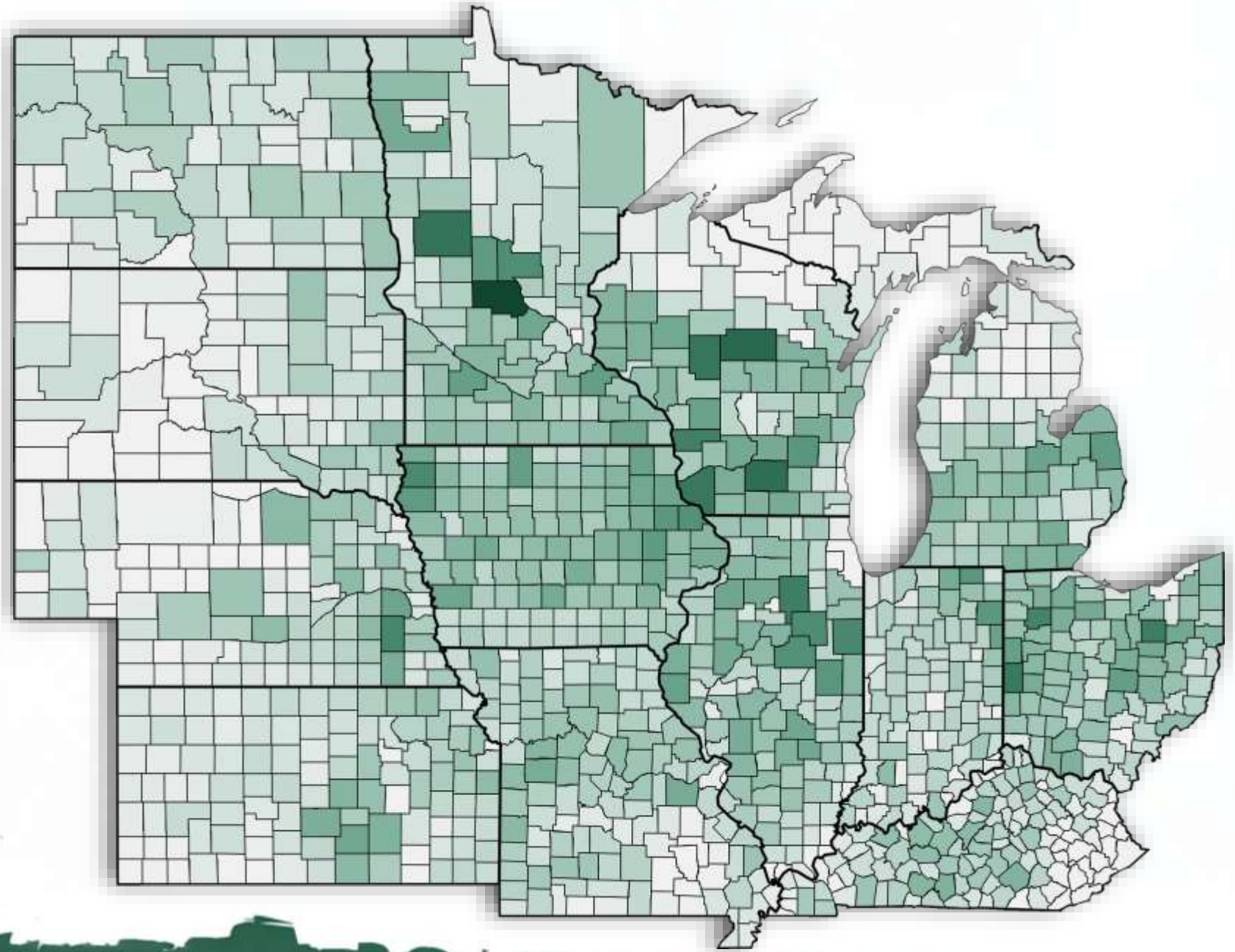
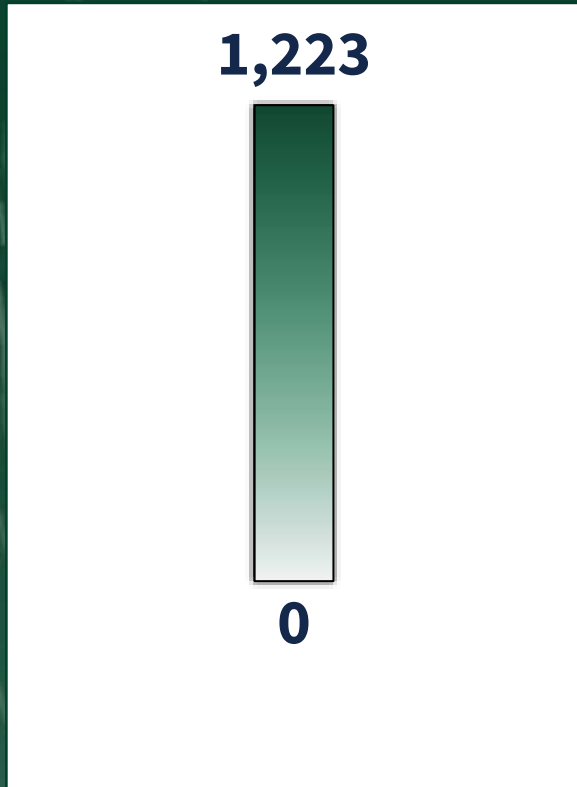


Corn acres as % of ag land

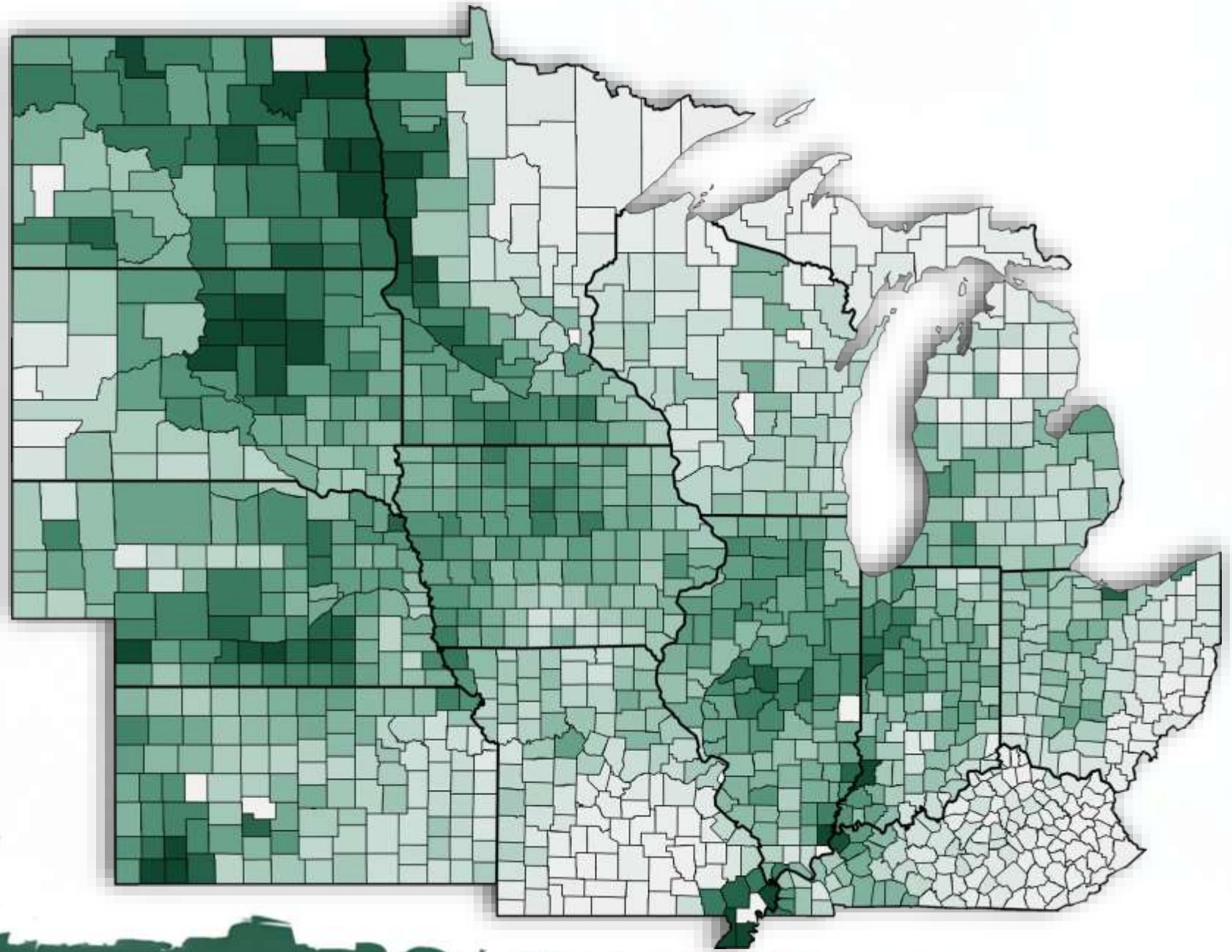
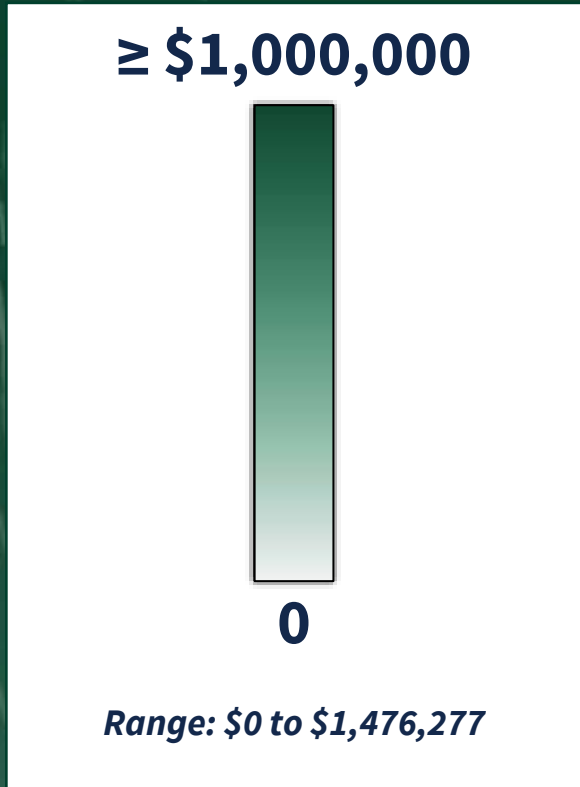
1	Iowa	42%
2	Illinois	40%
3	Indiana	37%
4	Nebraska	20%
5	Minnesota	30%
6	Delaware	36%
7	Ohio	24%
8	South Dakota	11%
9	Kansas	10%
10	Wisconsin	22%
11	Missouri	11%
12	Maryland	21%
13	North Dakota	7%
14	Michigan	22%
15	Kentucky	11%



Crop totals - operations with sales



Avg Crop Sales per operation

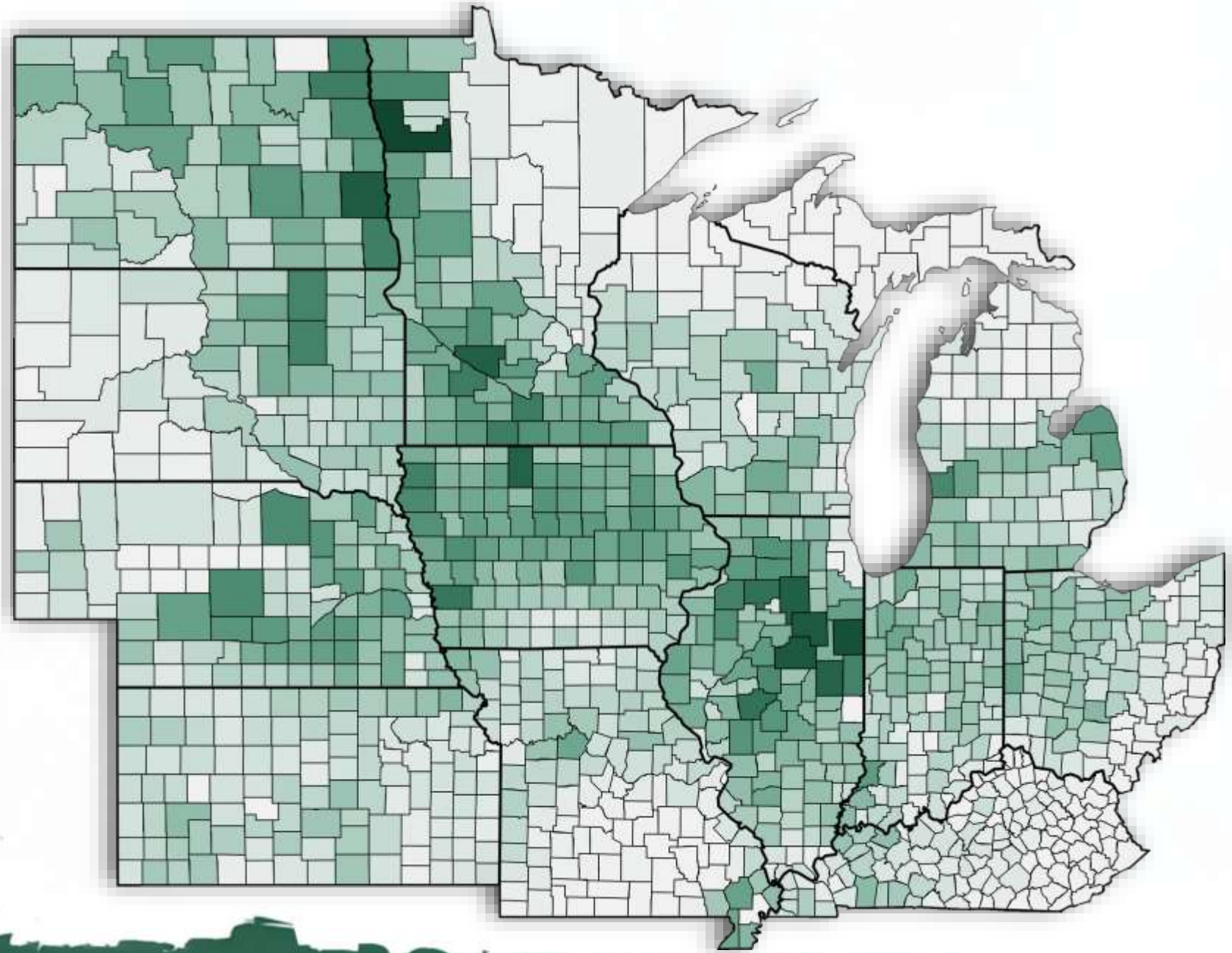


Crop totals - sales, measured in \$

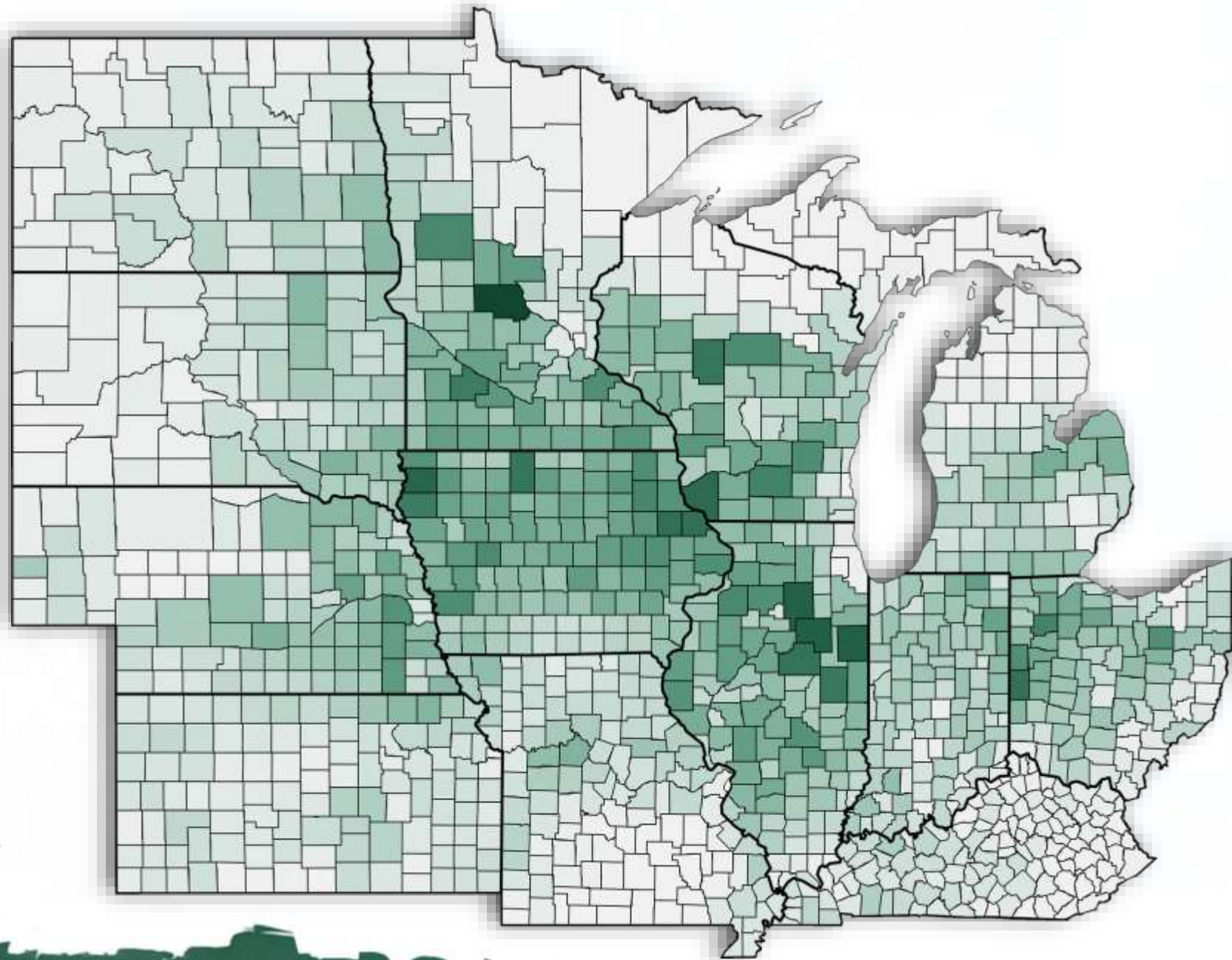
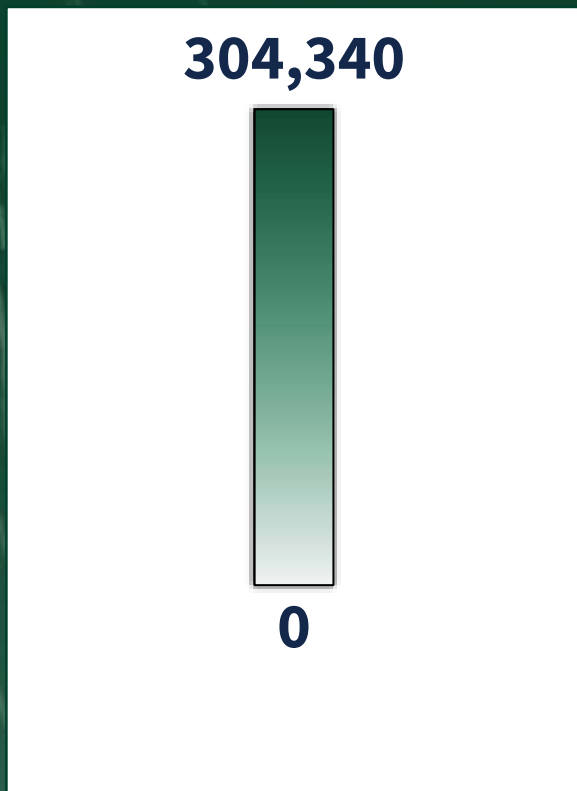
\$683,717,000



\$23,000

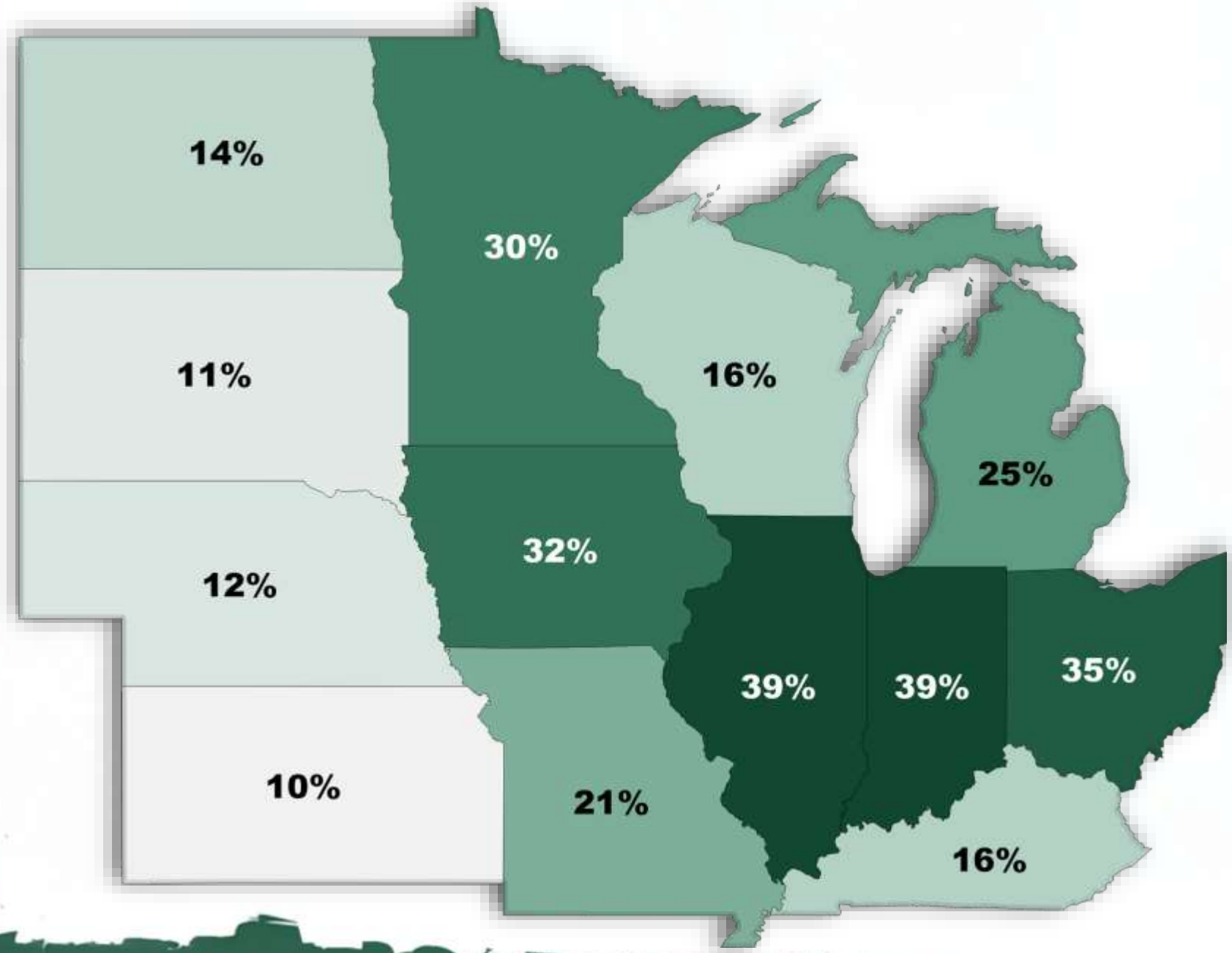


Corn, grain - Area harvested

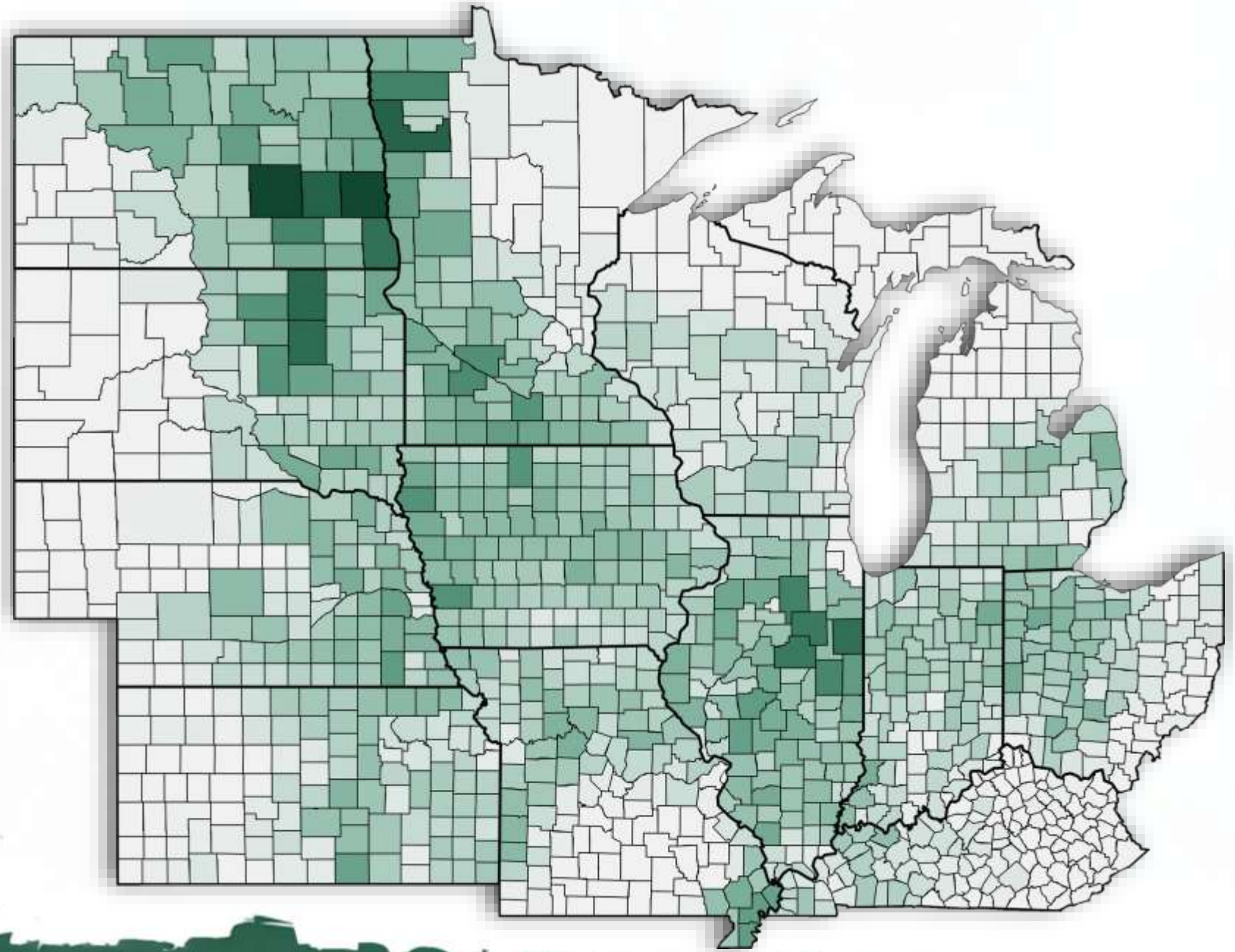
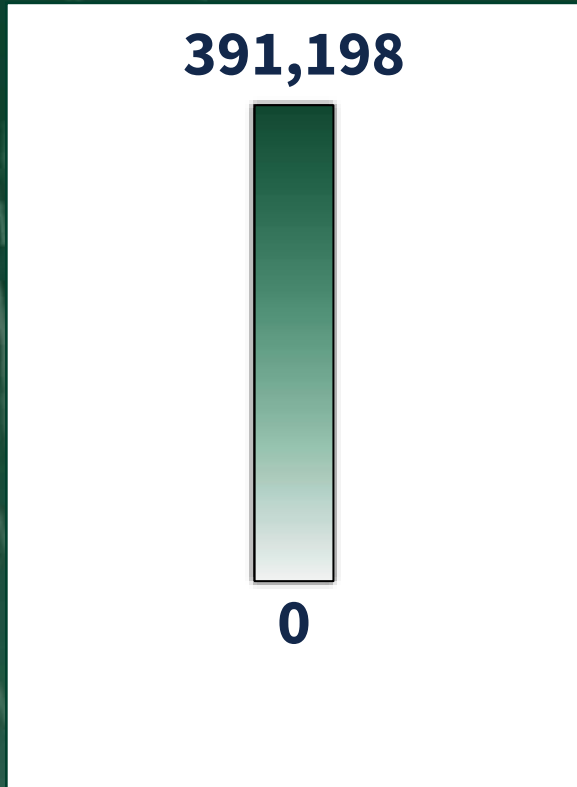


Soybean acres as % of ag land

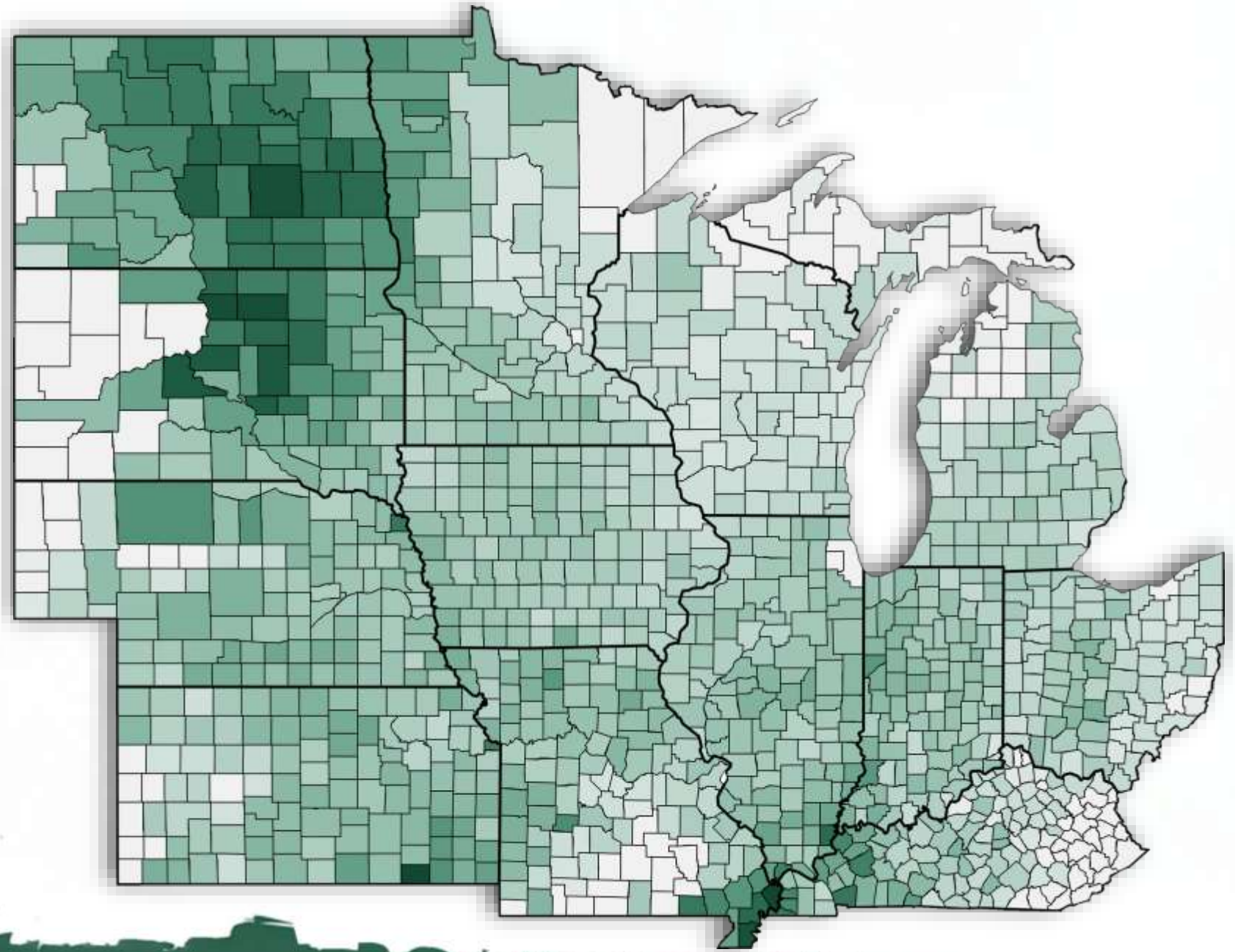
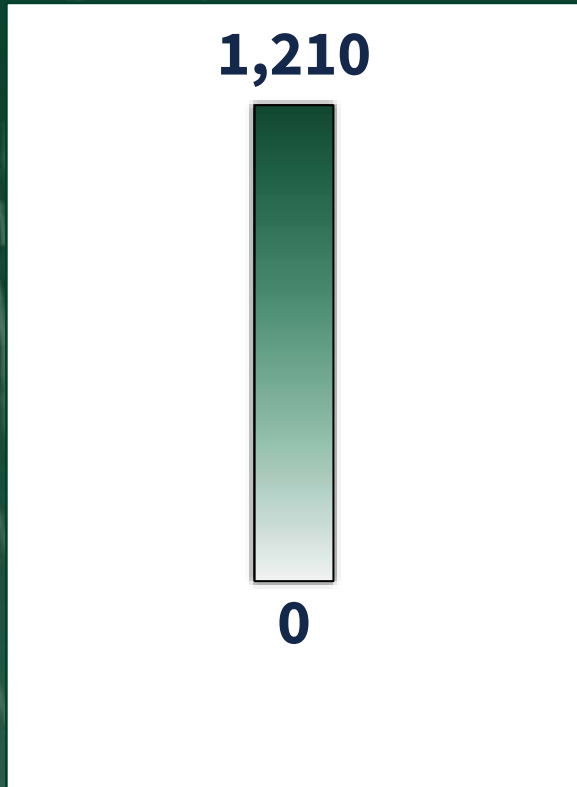
1	Indiana	38.9%
2	Illinois	38.8%
3	Ohio	35.4%
4	Delaware	33.6%
5	Iowa	31.7%
6	Minnesota	29.9%
7	Maryland	26.9%
8	Michigan	24.8%
11	Missouri	21.3%
14	Wisconsin	15.6%
15	Kentucky	15.5%
18	North Dakota	14.5%
19	Nebraska	12.3%
20	South Dakota	11.5%
21	Kansas	10.2%



Soybeans - acres harvested

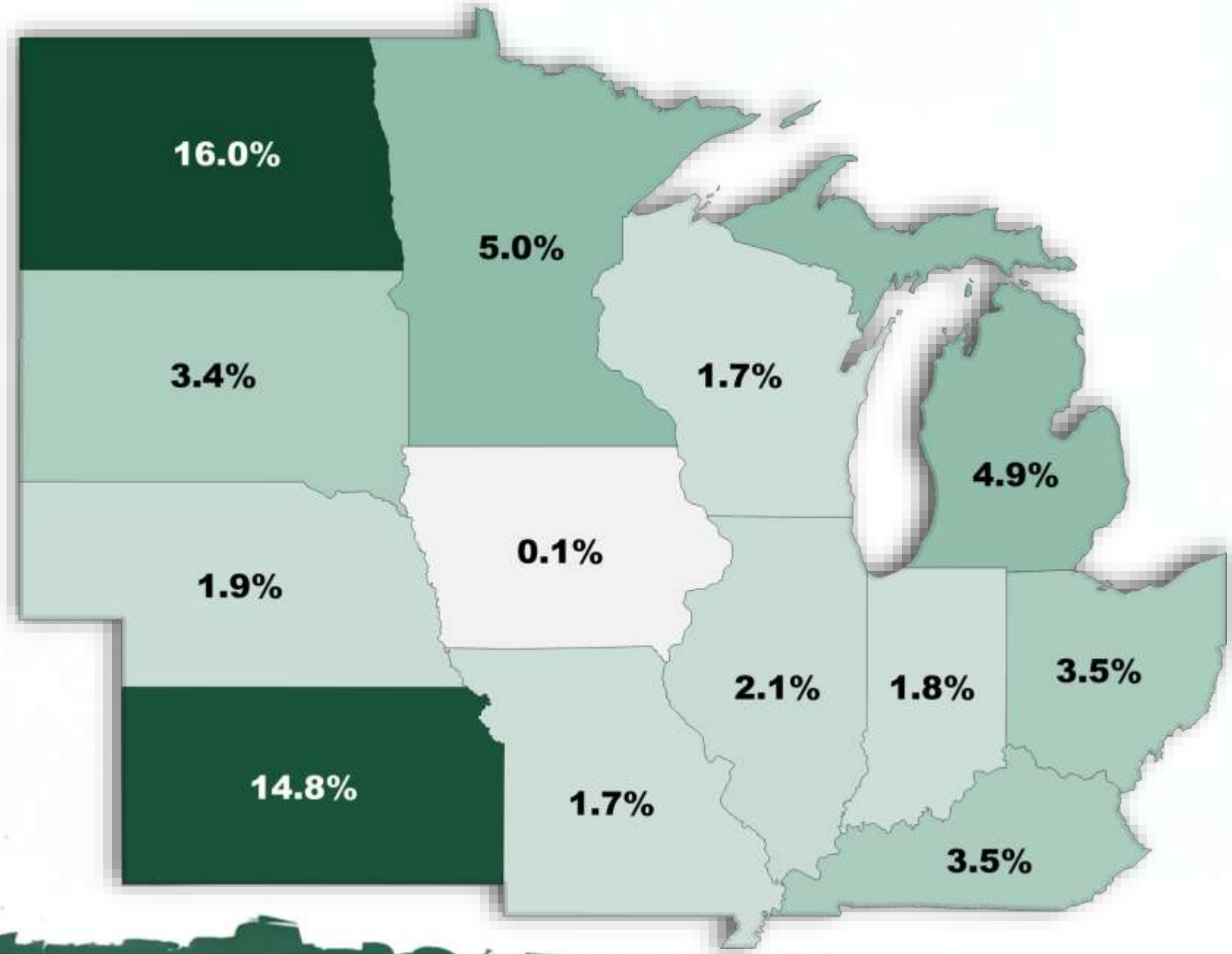


Avg soybean acres per operation

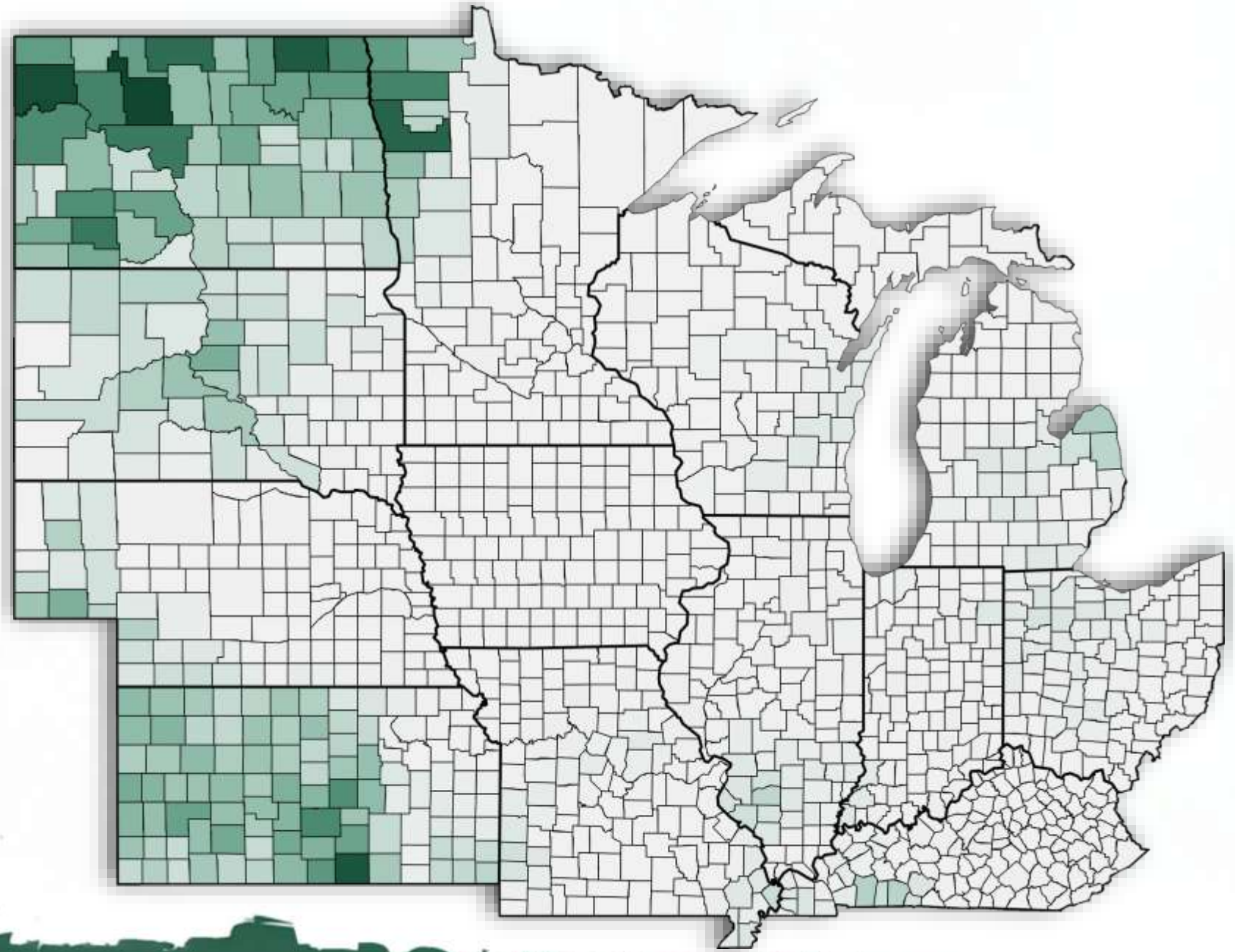
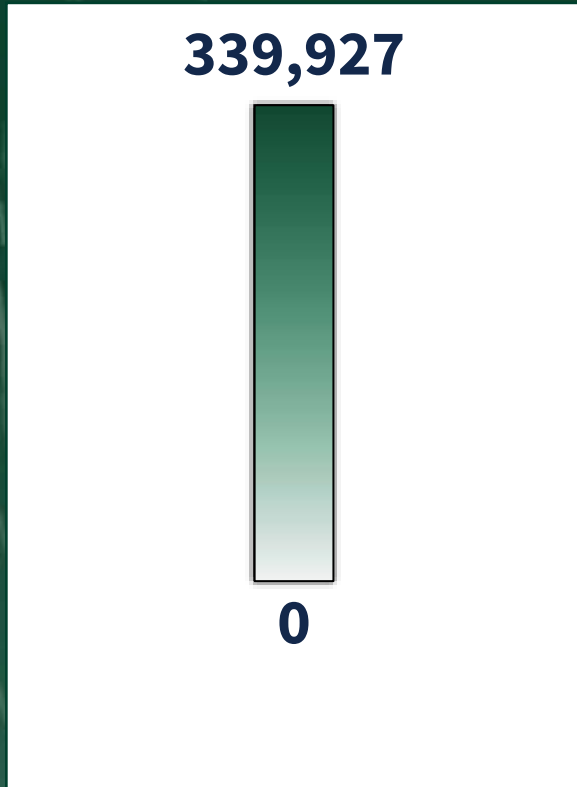


Wheat acres as % of ag land

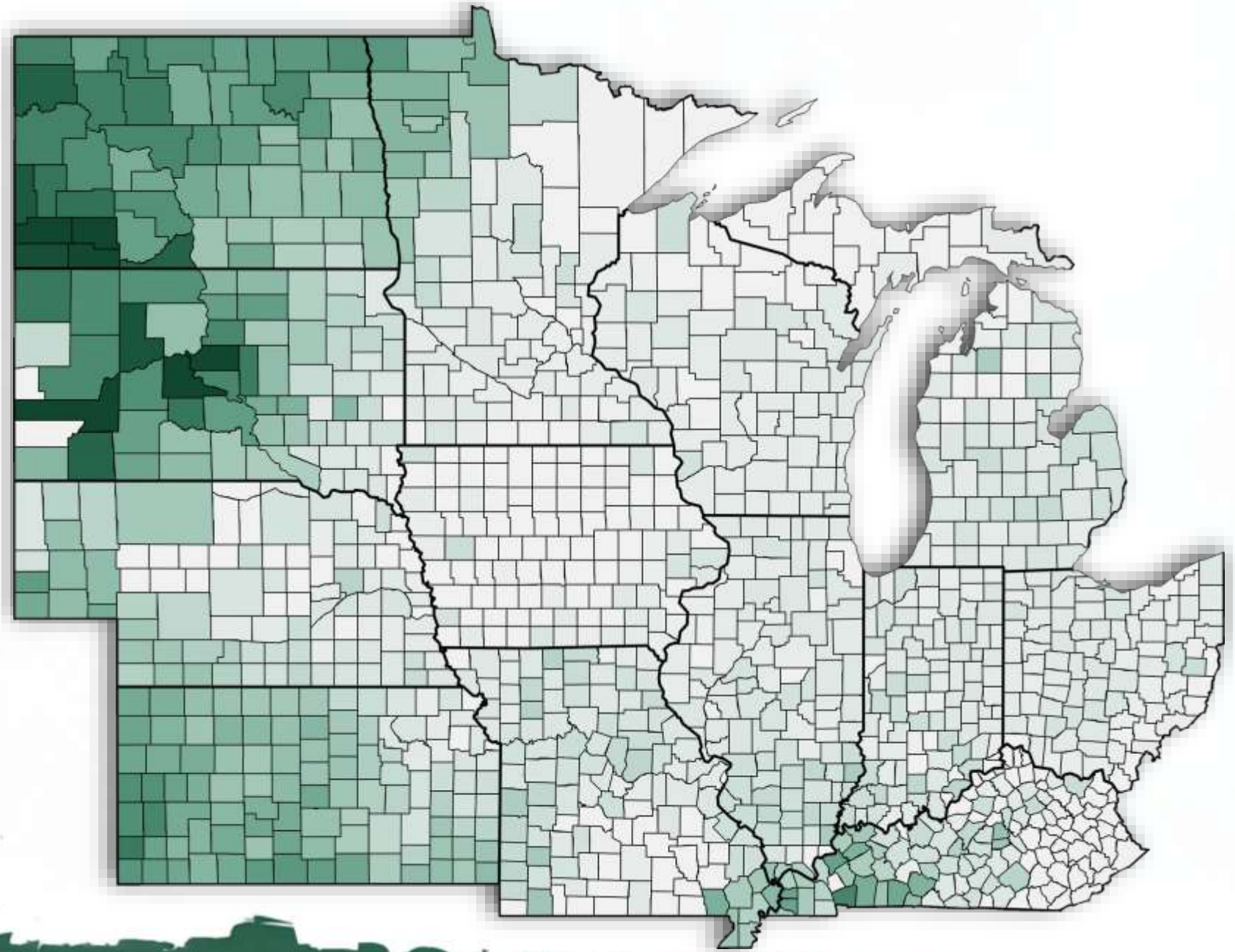
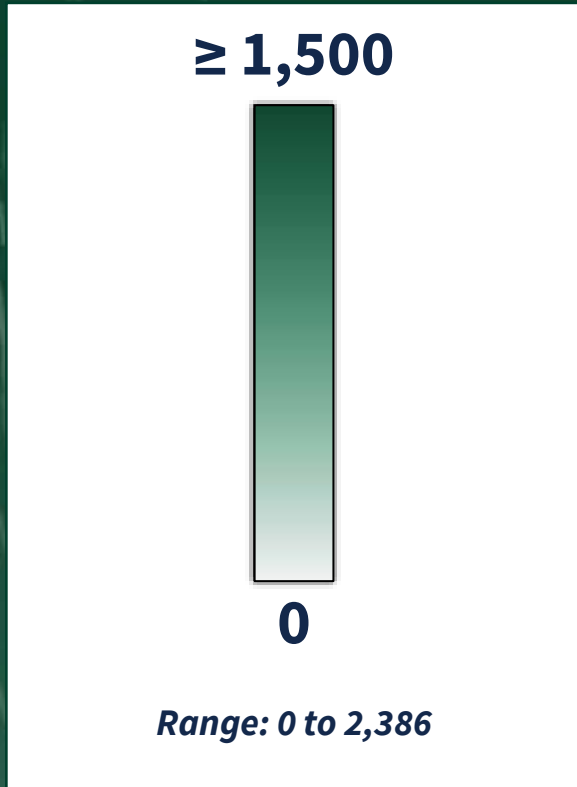
1	Washington	17.1%
2	North Dakota	16.0%
3	Kansas	14.8%
11	Minnesota	5.0%
12	Michigan	4.9%
14	Ohio	3.5%
15	Kentucky	3.5%
16	South Dakota	3.4%
22	Illinois	2.1%
23	Nebraska	1.9%
24	Indiana	1.8%
25	Missouri	1.7%
26	Wisconsin	1.7%
44	Iowa	0.1%



Wheat - acres harvested

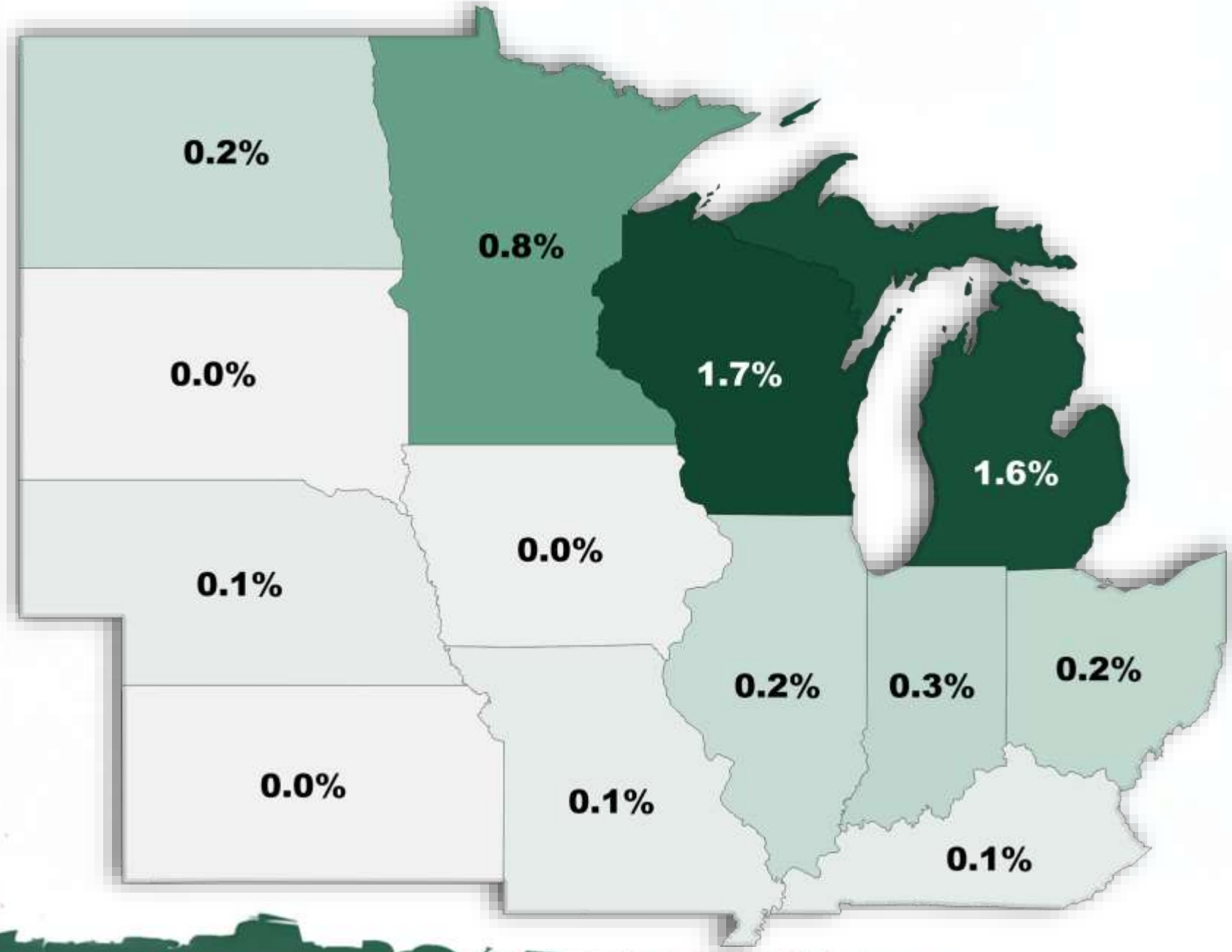


Avg Wheat Acres per operation

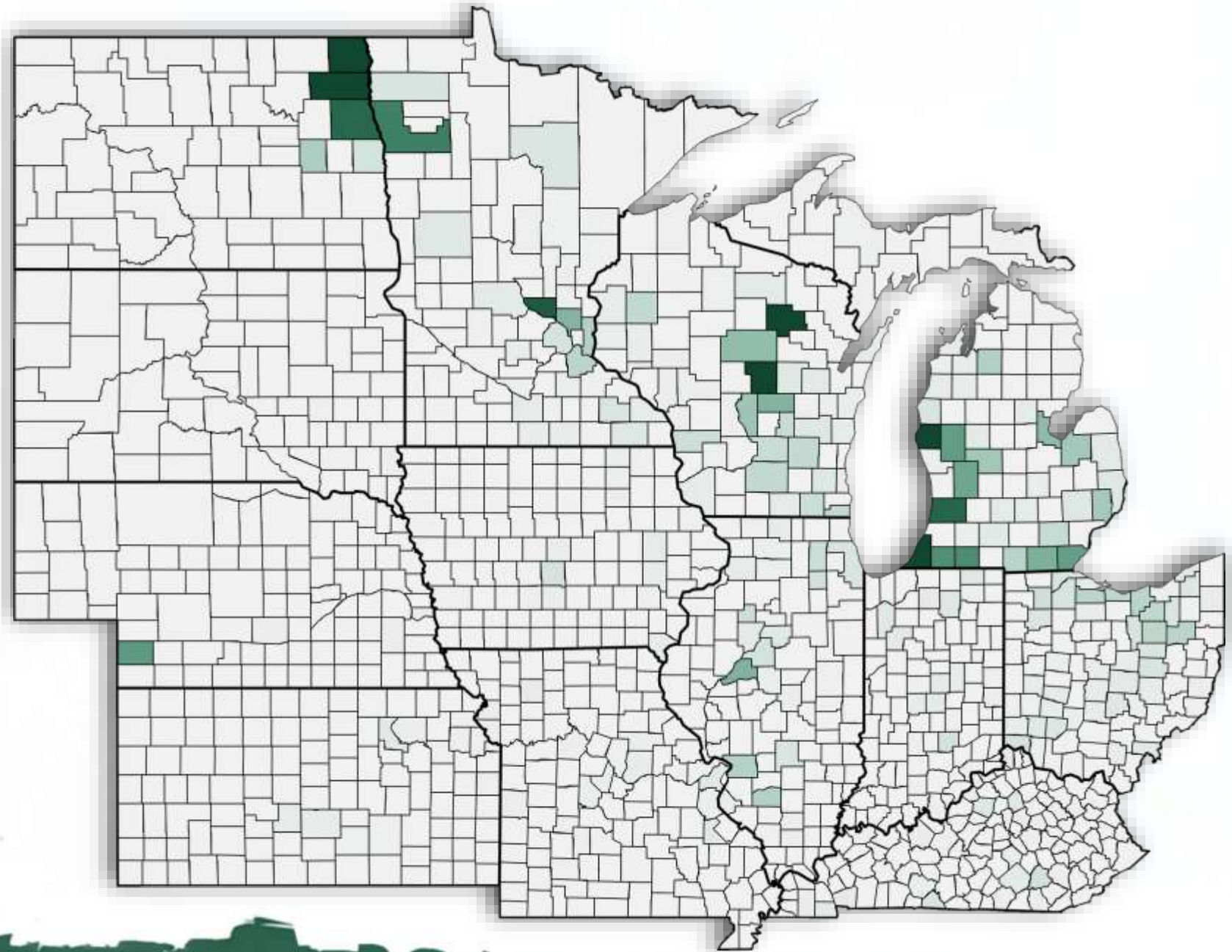
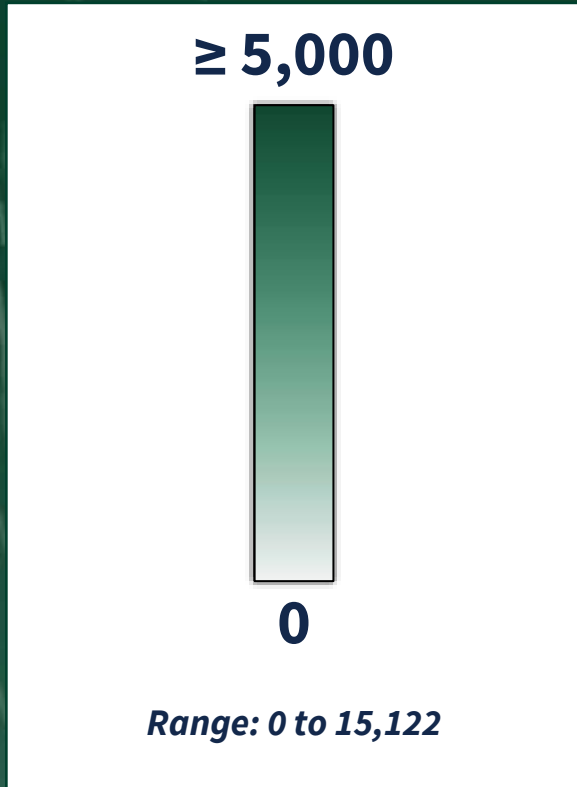


Vegetables acres as % of ag land

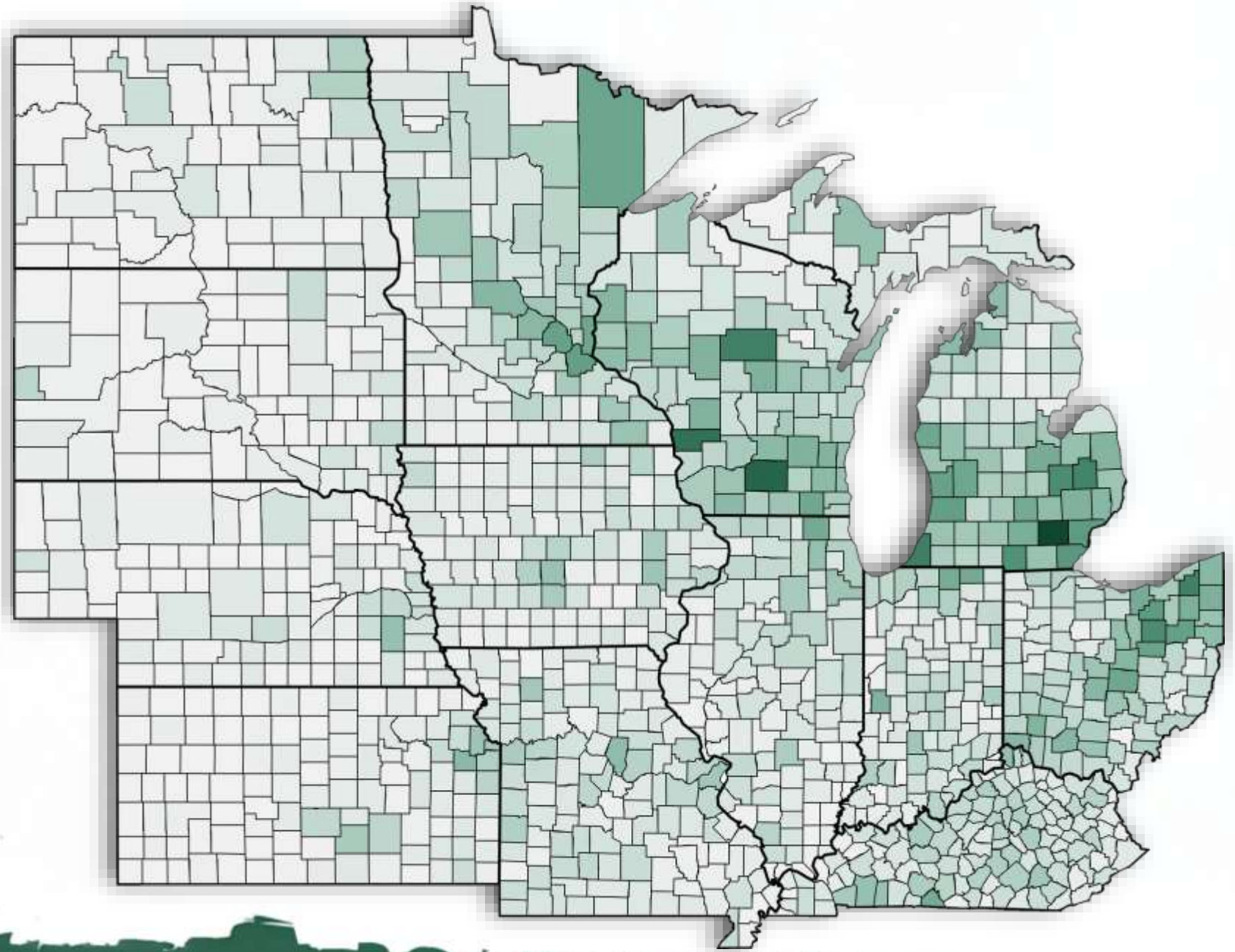
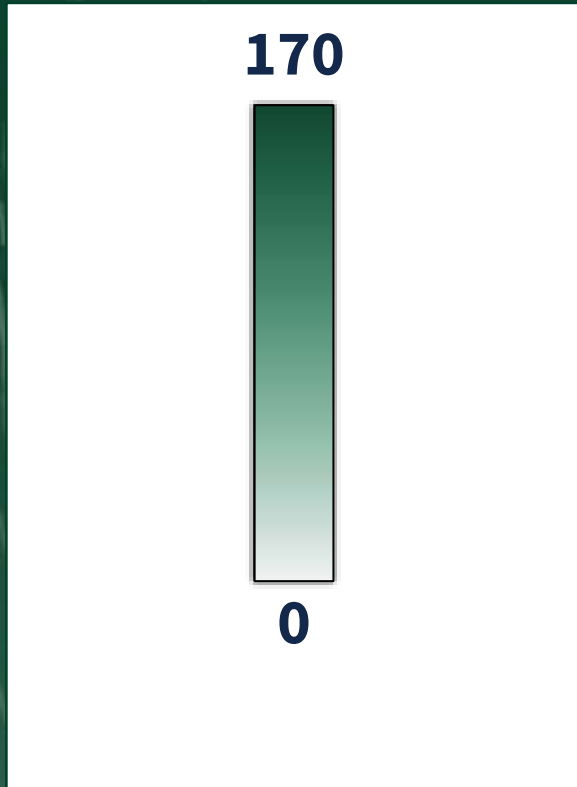
1	New Jersey	6.0%
2	Maine	5.4%
3	California	4.9%
4	Delaware	4.4%
<hr/>		
12	Wisconsin	1.7%
14	Michigan	1.6%
19	Minnesota	0.8%
<hr/>		
27	Indiana	0.3%
29	Ohio	0.2%
31	Illinois	0.2%
33	North Dakota	0.2%
<hr/>		
41	Kentucky	0.1%
42	Missouri	0.1%



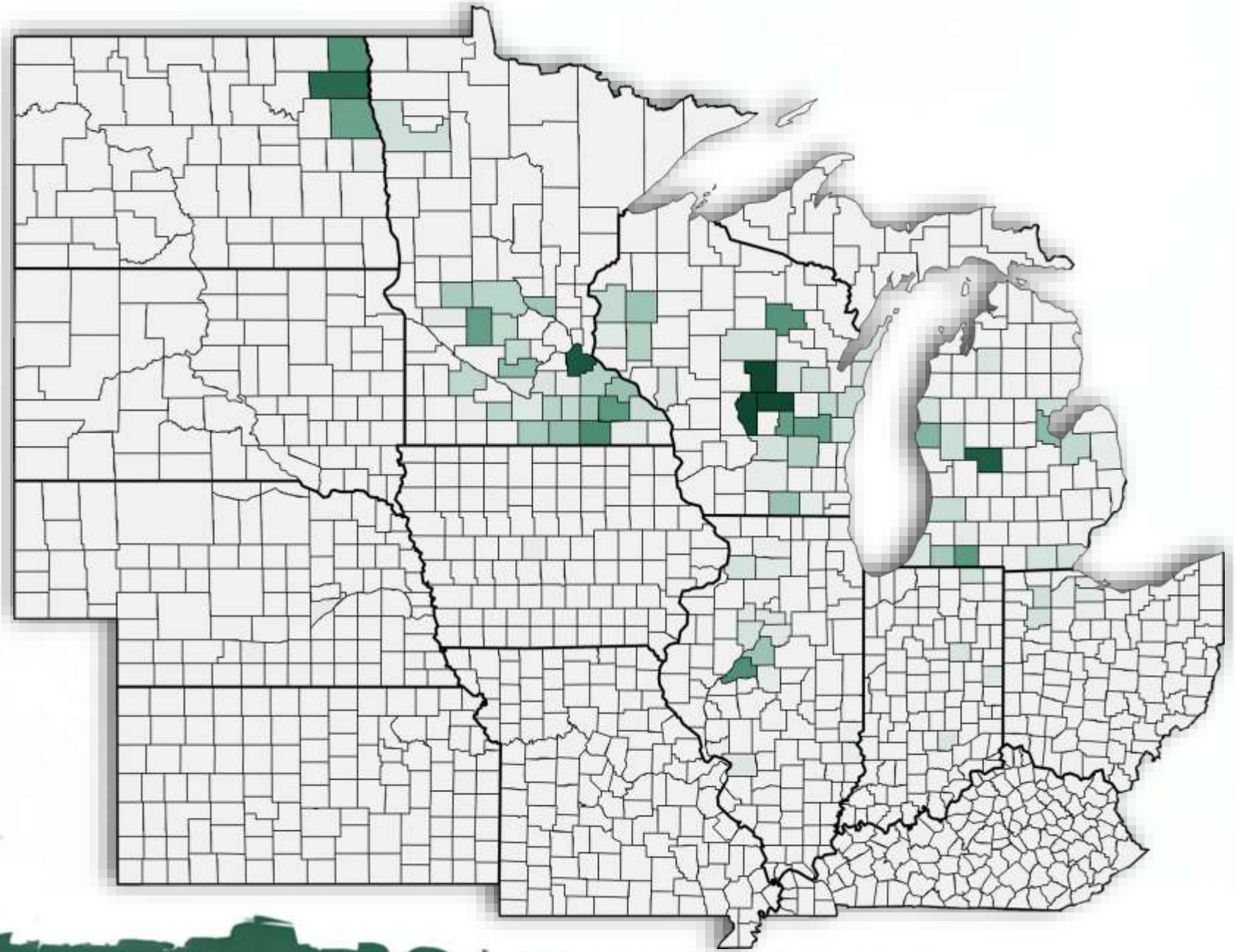
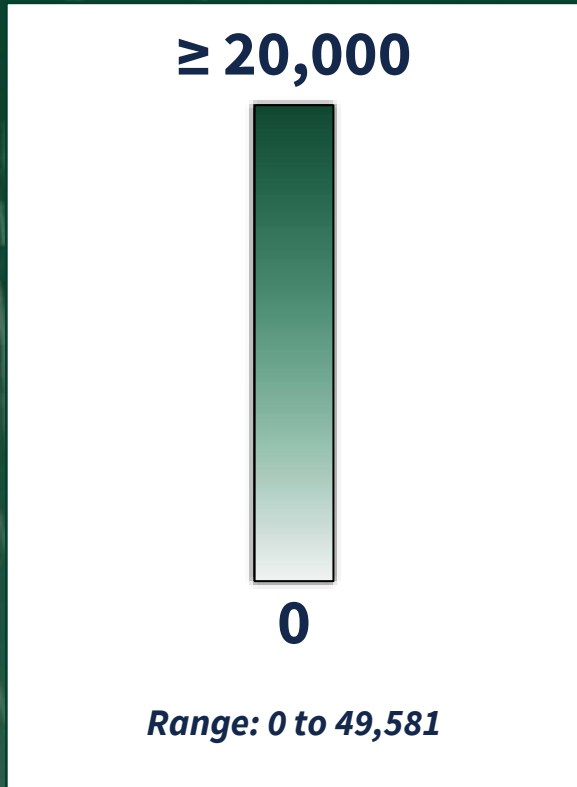
Vegetable totals, in the open, fresh market - acres harvested



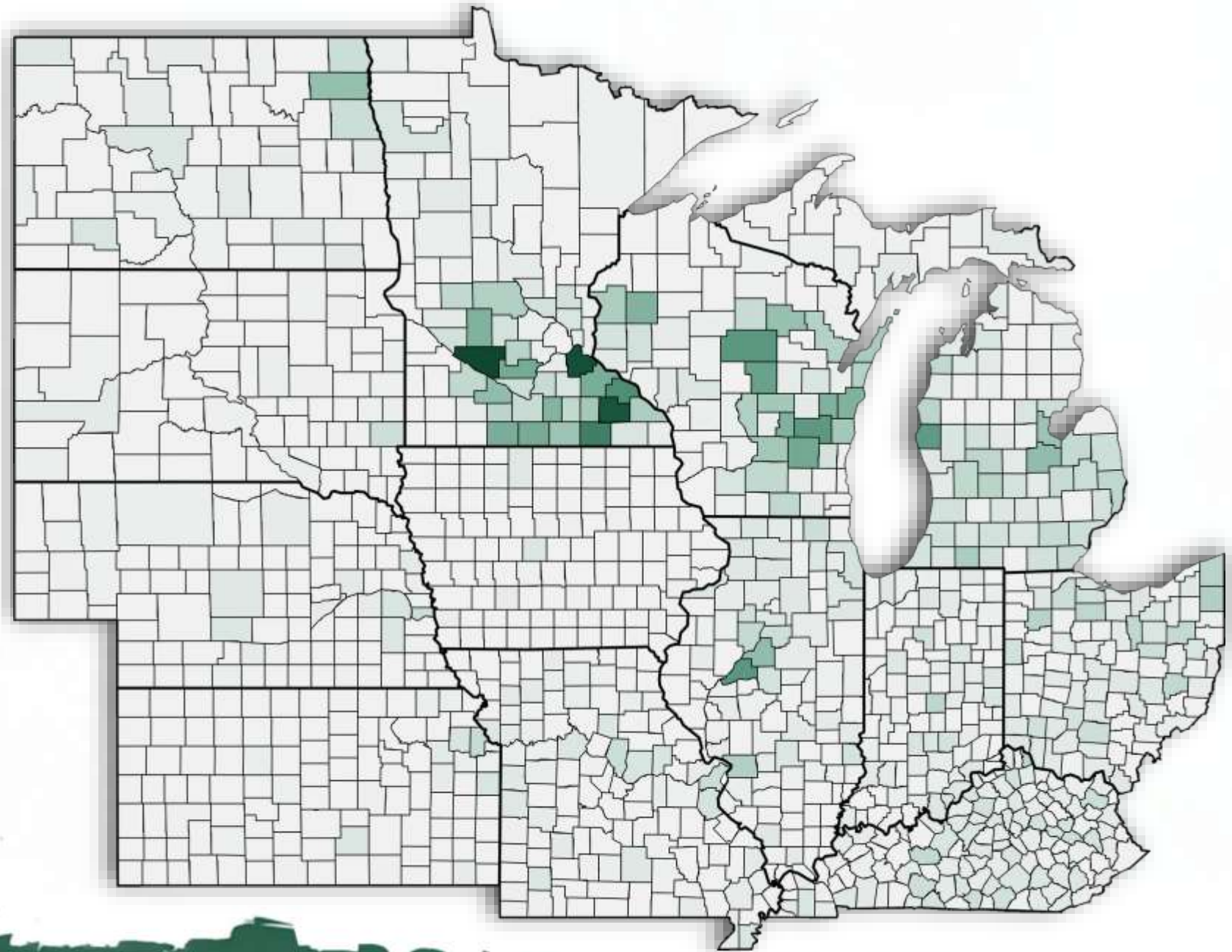
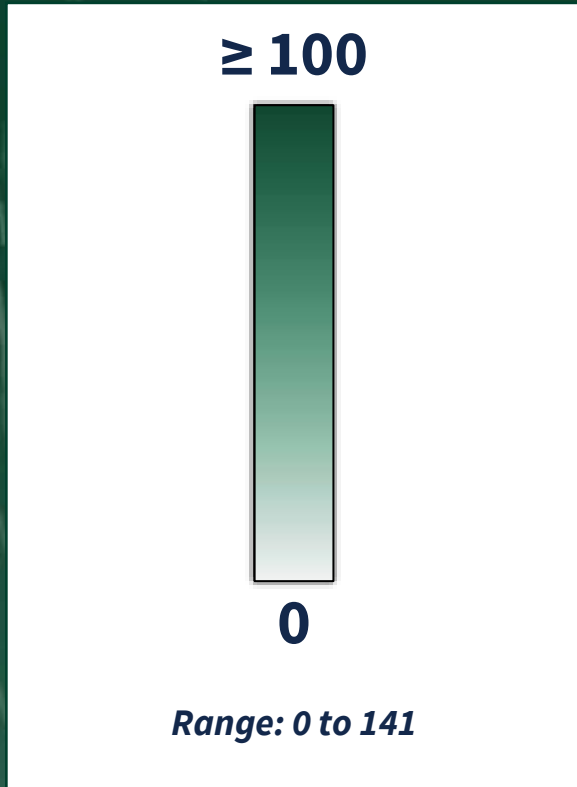
Vegetable totals, in the open, fresh market - operations with area harvested



Vegetable totals, in the open, processing acres harvested



Vegetable totals, in the open, processing - operations with area harvested



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.



**STAT
CHAT**
SERIES

**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.





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March 19, 2024

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