THE AG CENSUS COUNTS

2022 CENSUS OF AGRICULTURE

United States Department of Agriculture
National Agricultural Statistics Service

2022 Census of Agriculture
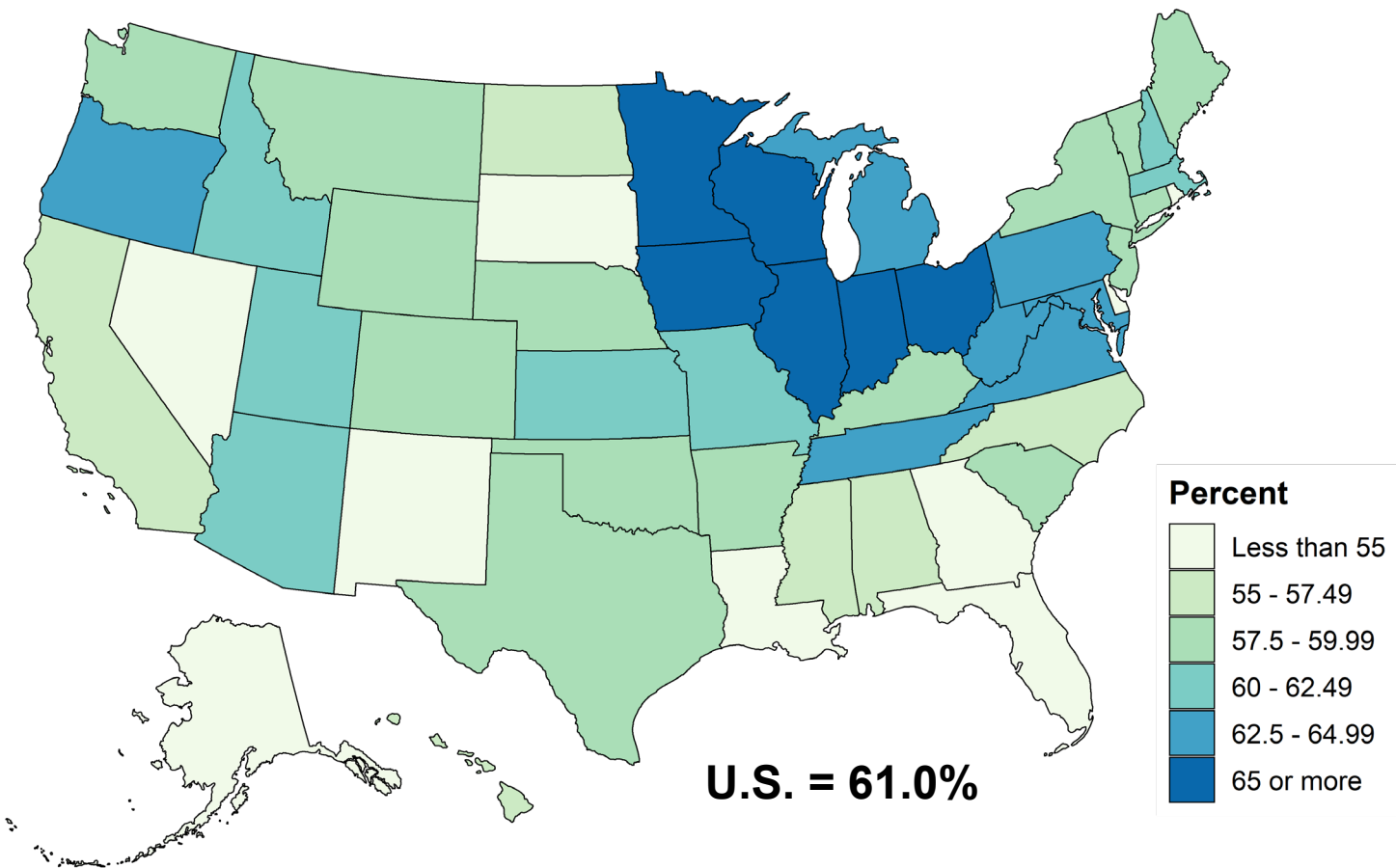EPA – Chesapeake Bay Program – April 18, 2024

nass.usda.gov/AgCensus

Agenda

- Census Data Collection
- Farms and Ranches
- Economics
- Demographics
- State Highlights
- Future Census Products

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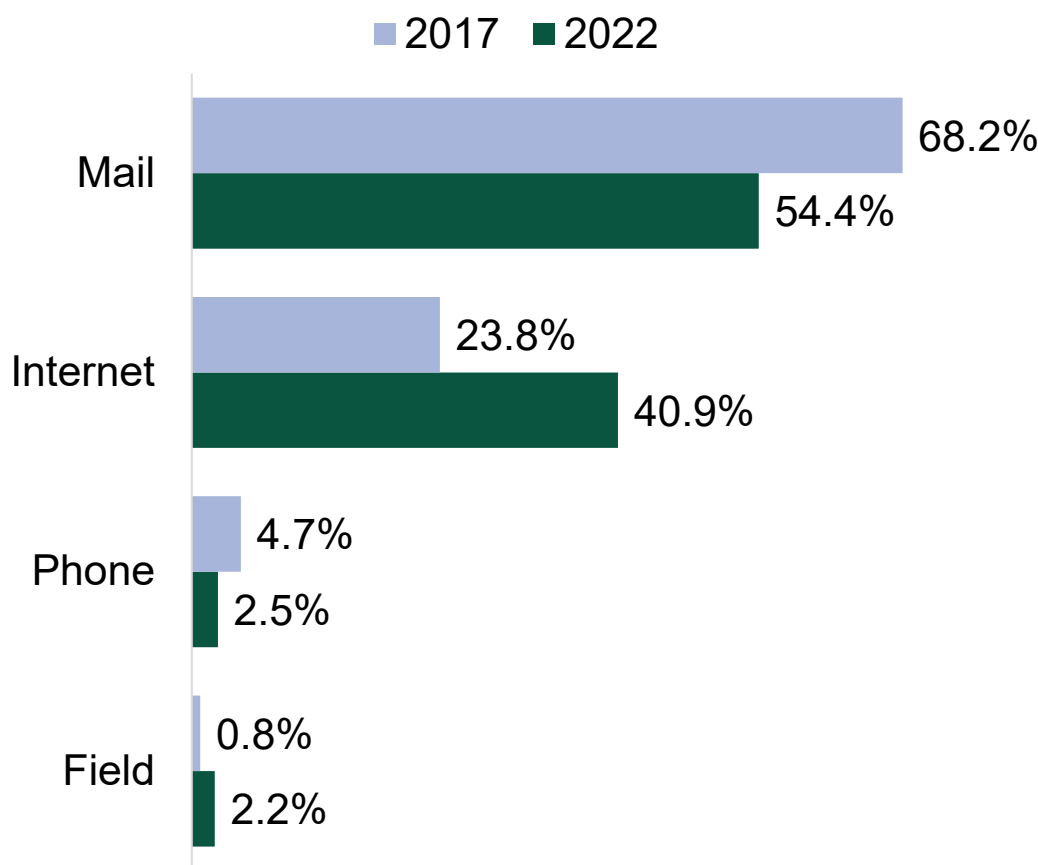
History of the Census of Agriculture

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

- 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).

- Data are available for:
  - National, state, and county levels
  - Congressional districts, watersheds, and zip codes

United States Department of Agriculture
National Agricultural Statistics Service

Census Data Collection

Response Rate by State, 2022

U.S. = 61.0%

Percent
- Less than 55
- 55 - 57.49
- 57.5 - 59.99
- 60 - 62.49
- 62.5 - 64.99
- 65 or more

Return Rate by Mode, 2017 and 2022
(percent of returns)

2017 2022

Mode	2017	2022
Mail	68.2%	54.4%
Internet	23.8%	40.9%
Phone	4.7%	2.5%
Field	0.8%	2.2%

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USDA AGRICULTURE COUNTS

United States Department of Agriculture
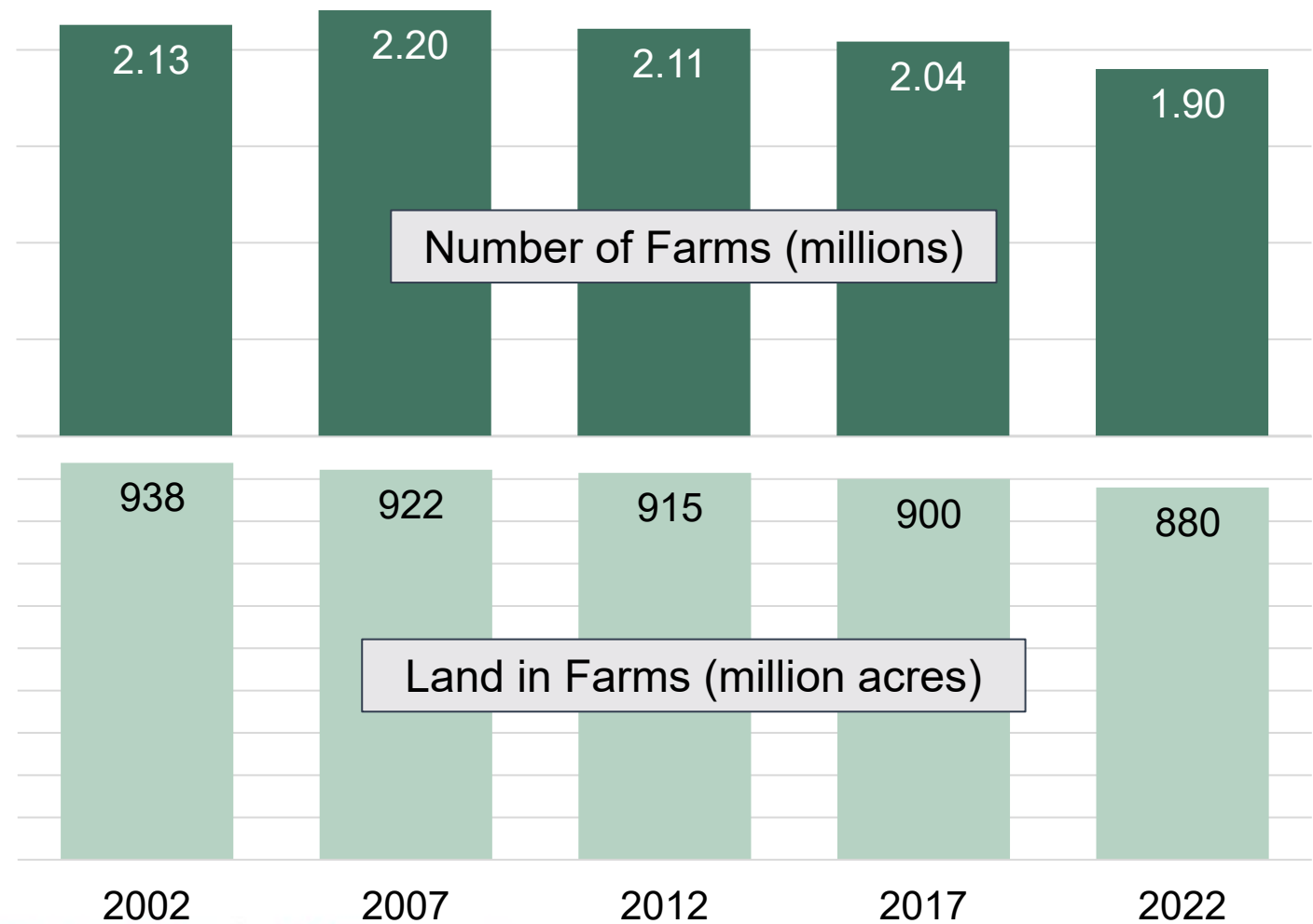National Agricultural Statistics Service

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."
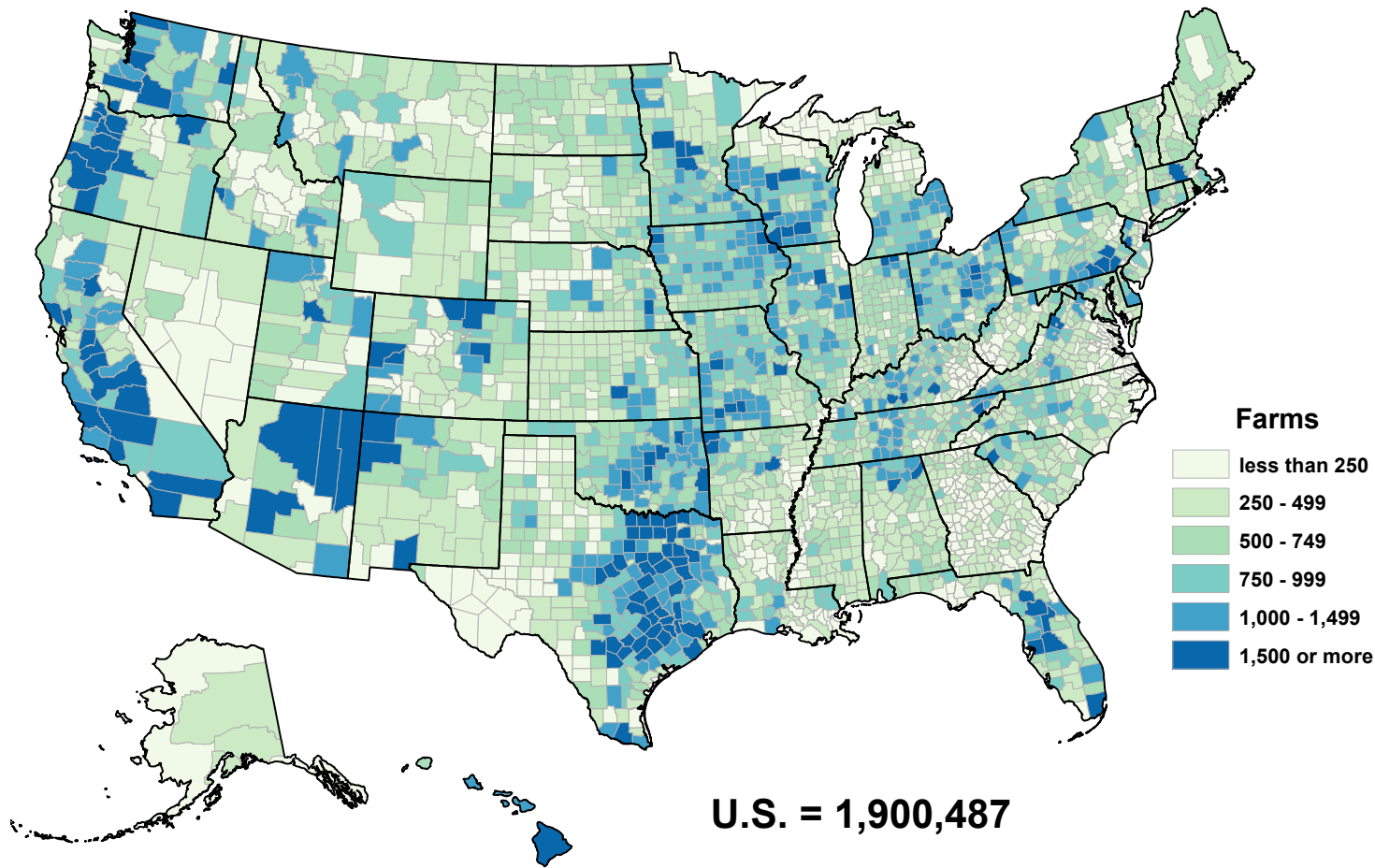
Number of Farms and Land in Farms, 2002 - 2022

Number of Farms (millions)

Year	Value
2002	2.13
2007	2.20
2012	2.11
2017	2.04
2022	1.90

Land in Farms (million acres)

Year	Value
2002	938
2007	922
2012	915
2017	900
2022	880

	2017	2022	% change
Number of farms	2,042,220	1,900,487	-6.9
Land in farms (acres)	900,217,576	880,100,848	-2.2
Average farm size (acres)	441	463	+5.0

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Number of Farms, 2022
By County

U.S. = 1,900,487

Farms
- less than 250
- 250 - 499
- 500 - 749
- 750 - 999
- 1,000 - 1,499
- 1,500 or more

Top 10 States	2022
Texas	230,662
Missouri	87,887
Iowa	86,911
Ohio	76,009
Illinois	71,123
Oklahoma	70,378
Kentucky	69,425
Minnesota	65,531
California	63,134
Tennessee	63,105

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Land in Farms, 2022
As a Percent of Total, by County

Percent

	less than 10
	10 - 29
	30 - 49
	50 - 69
	70 - 89
	90 or more

U.S. = 38.9%
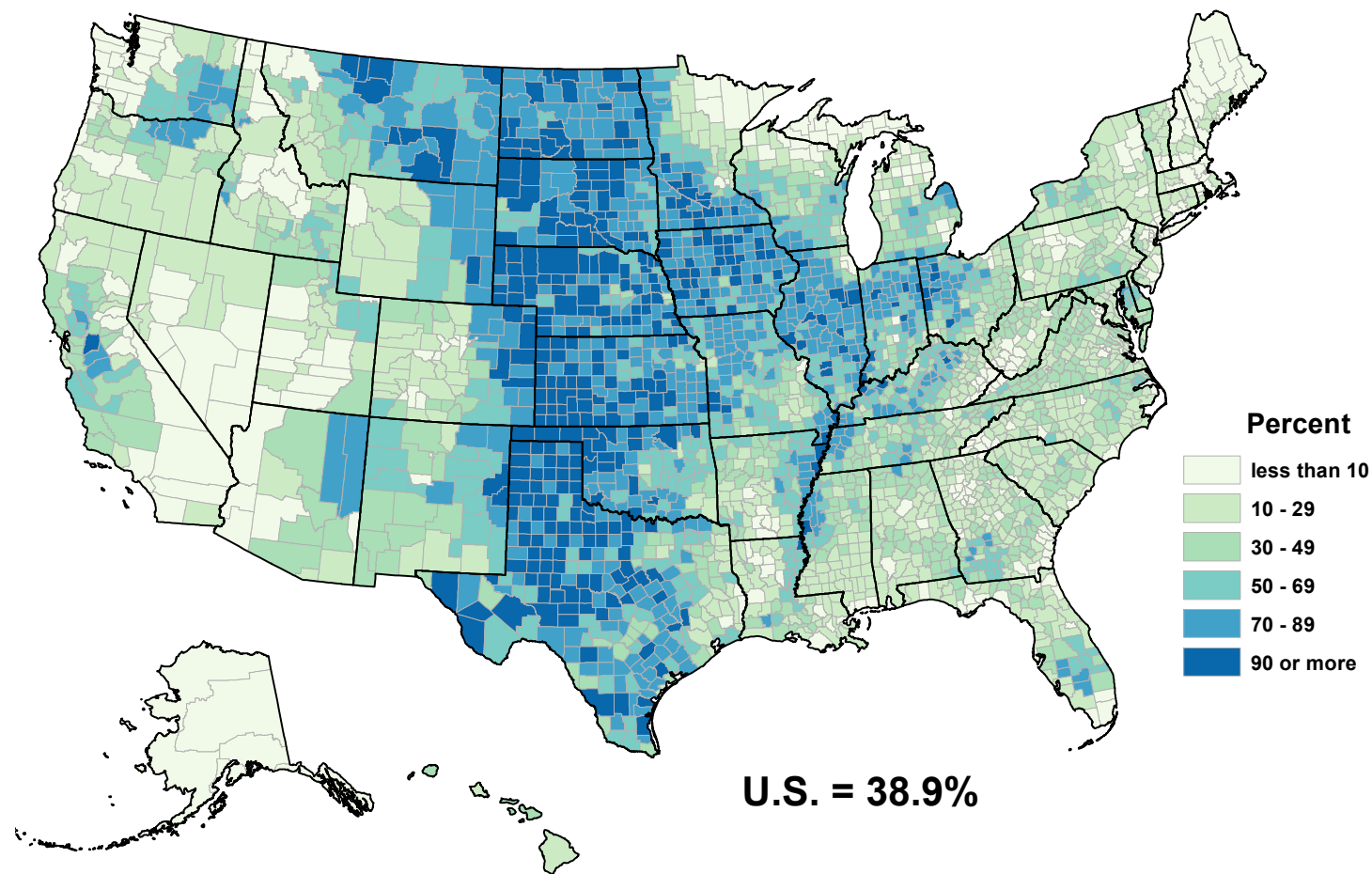
Type of Use	Acres (*millions*)
Total	880
Permanent Pasture	393
Cropland	382
Harvested Cropland	*301*
Woodland	72
Other	33

Number of Farms, by Size Class, 2017 and 2022 *(thousands)*

Size of Farm (acres)
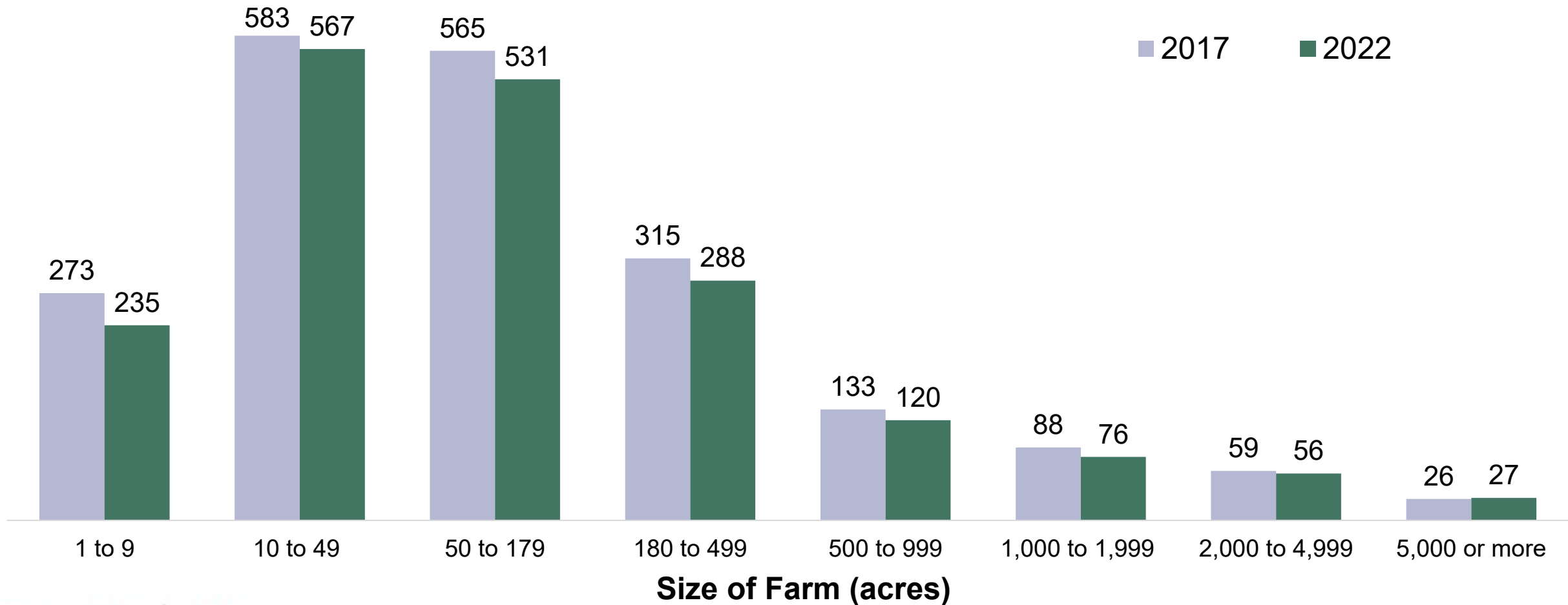
Farms and Land in Farms, by Size Class, 2022

Number of Farms (*thousands*)

Size Class	Number
5,000 acres or more	27
2,000 to 4,999 acres	56
1,000 to 1,999 acres	76
500 to 999 acres	120
180 to 499 acres	288
50 to 179 acres	531
10 to 49 acres	567
1 to 9 acres	235

U.S. Farms = 1,900

Land in Farms (*million acres*)

Size Class	Land
5,000 acres or more	367.7
2,000 to 4,999 acres	169.1
1,000 to 1,999 acres	105.2
500 to 999 acres	83.7
180 to 499 acres	85.7
50 to 179 acres	53.3
10 to 49 acres	14.2
1 to 9 acres	1.1

U.S. Land = 880.1
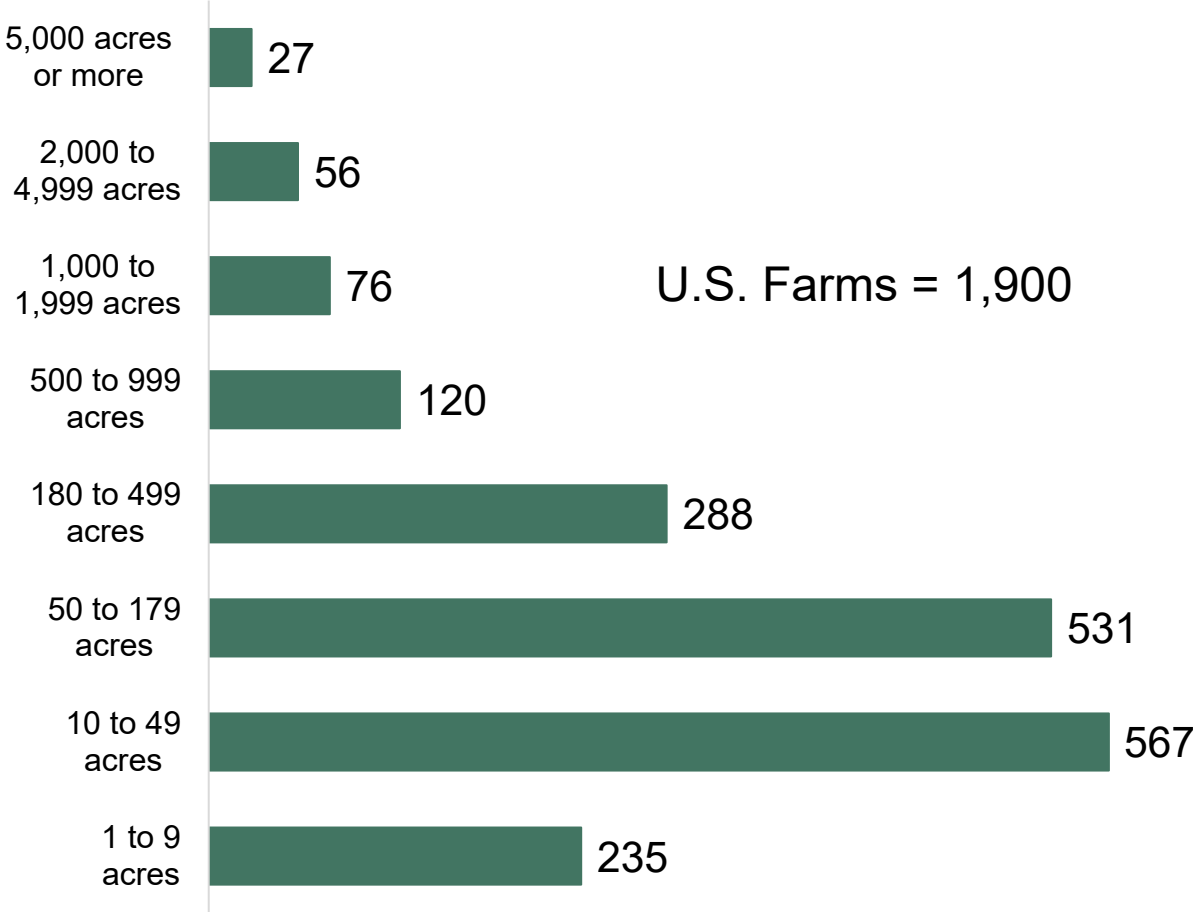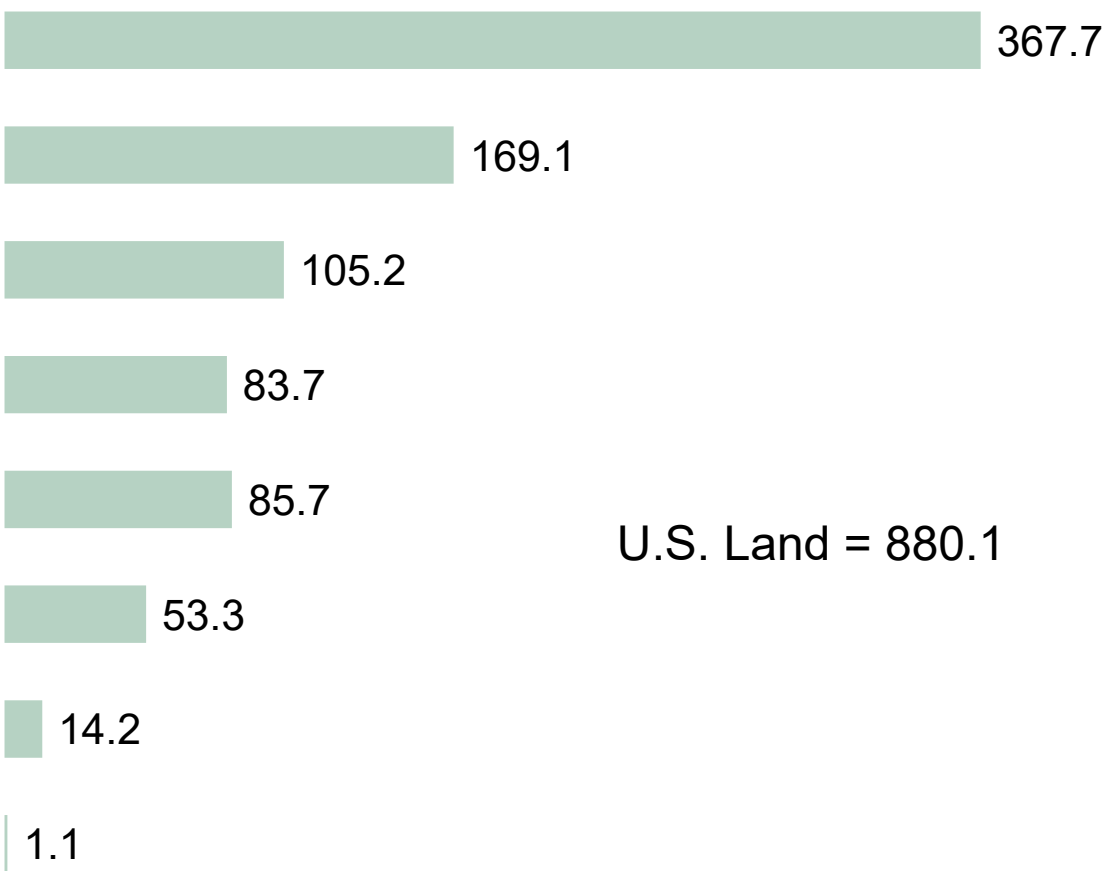
Economics

- Total Value of Agricultural Production
- Crop and Livestock Sales
- Farm Income

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Number of Farms, by Sales Class, 2017 and 2022 *(thousands)*
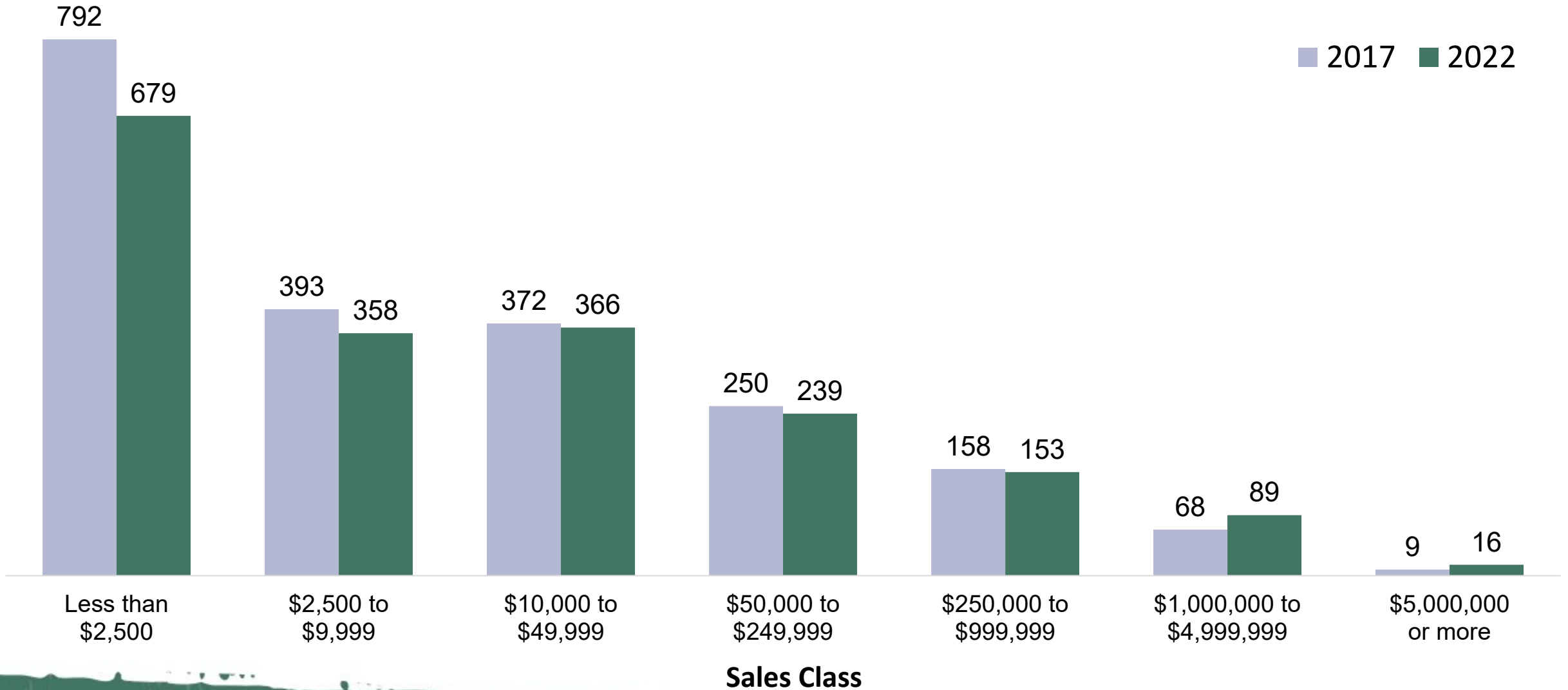
Farms and Value of Production, by Sales Class, 2022
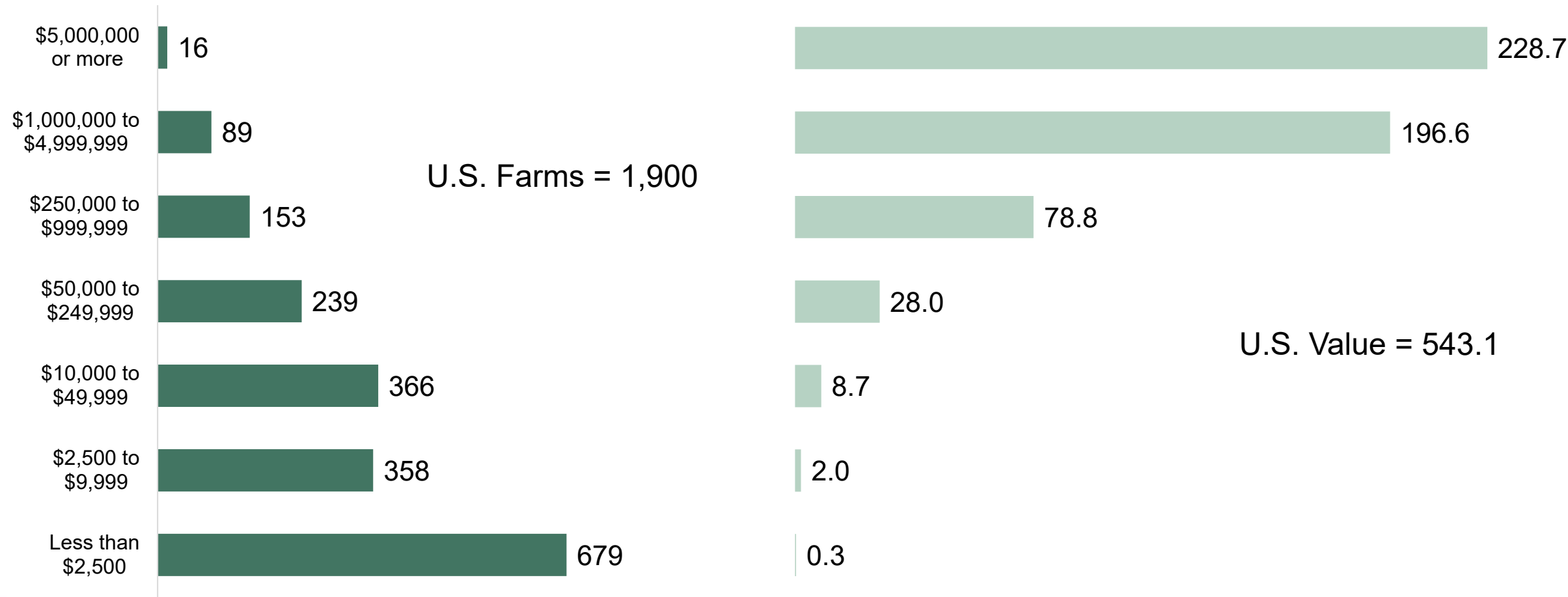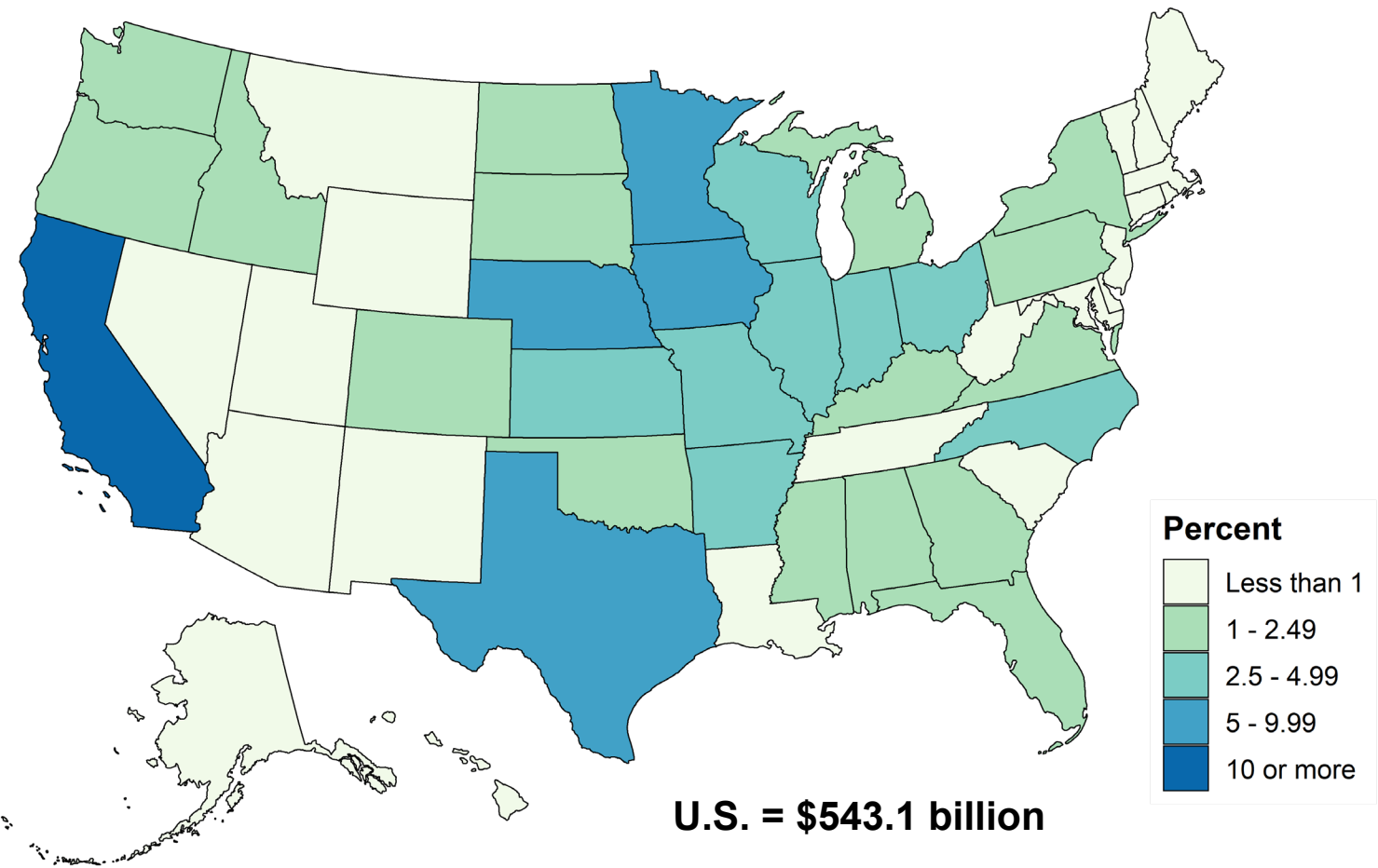
Number of Farms *(thousands)*

Sales Class	Number of Farms
$5,000,000 or more	16
$1,000,000 to $4,999,999	89
$250,000 to $999,999	153
$50,000 to $249,999	239
$10,000 to $49,999	366
$2,500 to $9,999	358
Less than $2,500	679

U.S. Farms = 1,900

Value of Production *($ billions)*

Sales Class	Value of Production
$5,000,000 or more	228.7
$1,000,000 to $4,999,999	196.6
$250,000 to $999,999	78.8
$50,000 to $249,999	28.0
$10,000 to $49,999	8.7
$2,500 to $9,999	2.0
Less than $2,500	0.3

U.S. Value = 543.1

Total Value of Agricultural Production, 2022
As a Percent of U.S. Total

Percent

	Less than 1
	1 - 2.49
	2.5 - 4.99
	5 - 9.99
	10 or more

U.S. = $543.1 billion

Top 10 States	TVP *($ billions)*
California	59.0
Iowa	43.9
Texas	32.2
Nebraska	29.4
Minnesota	28.5
Illinois	26.4
Kansas	24.0
North Carolina	18.7
Indiana	18.0
Wisconsin	16.7

Total Value of Agricultural Production, 2022
By County

Million Dollars
- less than 25
- 25 - 49
- 50 - 99
- 100 - 249
- 250 - 499
- 500 or more

U.S. = $543.1 billion
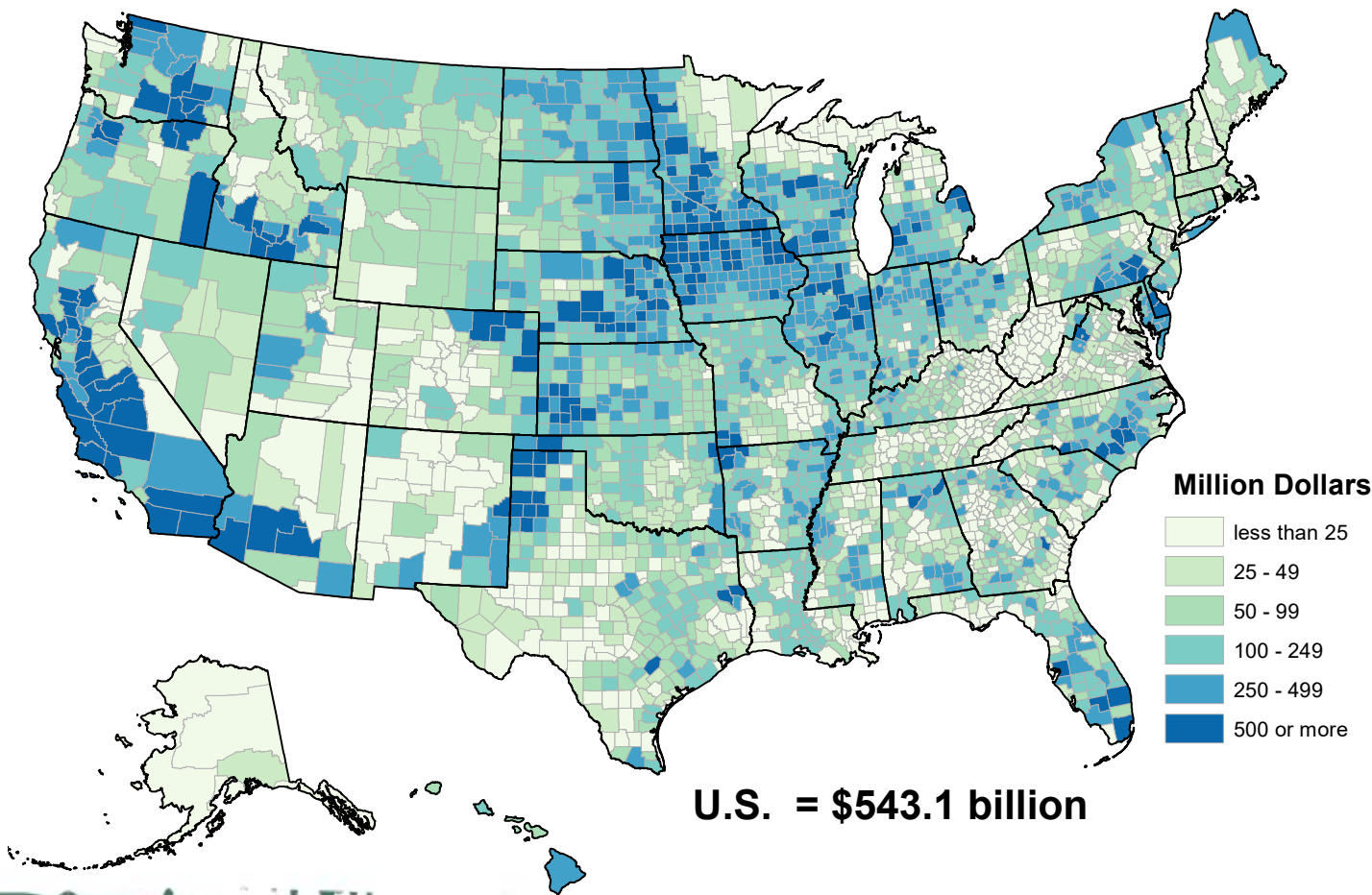
Top 10 Counties	TVP *($ billions)*
Fresno, CA	7.0
Tulare, CA	6.4
Monterey, CA	5.5
Kern, CA	5.0
Merced, CA	4.0
Imperial, CA	3.0
San Joaquin, CA	3.0
Stanislaus, CA	2.9
Santa Barbara, CA	2.6
Grant, WA	2.6

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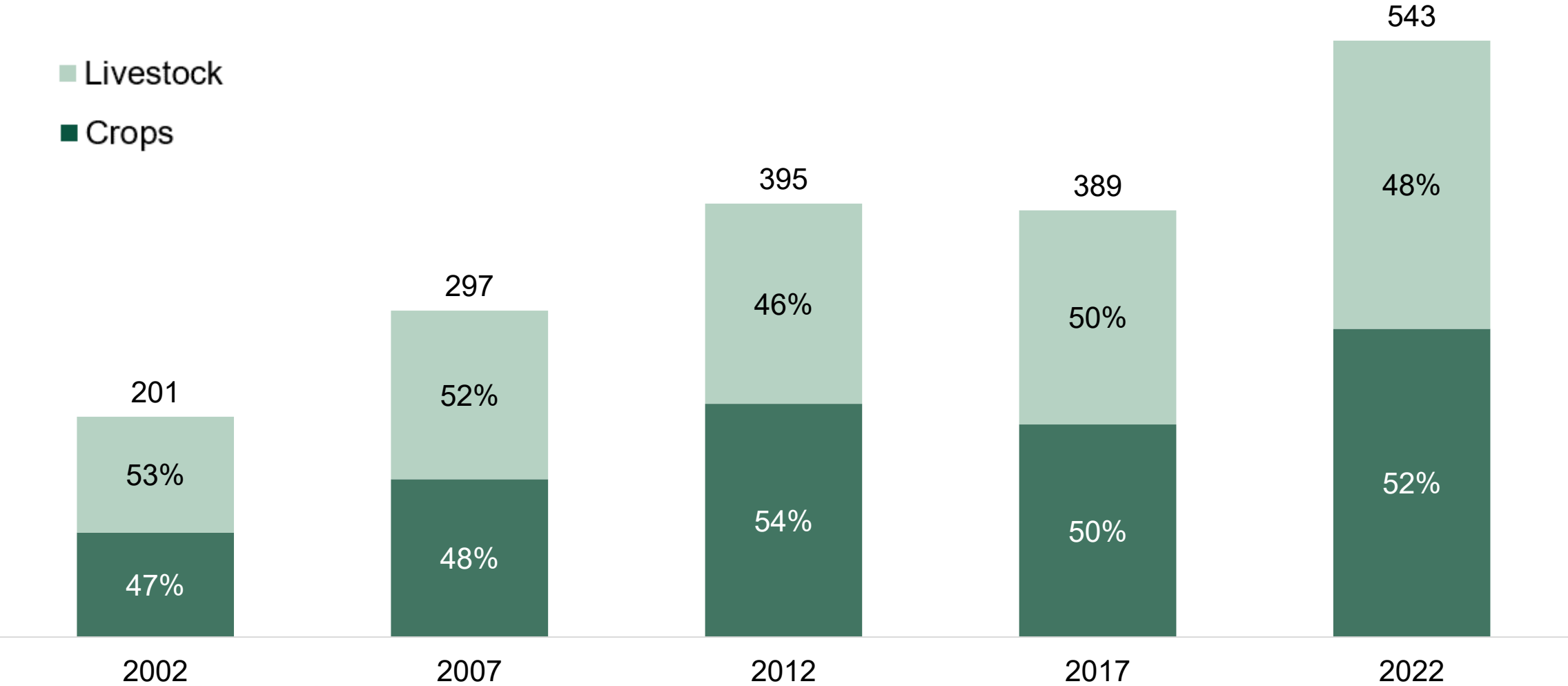
Value of Crop Production by Category, 2022

Value *($ billions)*

Category	Value
Grains and oilseeds	168.7
Fruits, tree nuts, berries	34.2
Vegetables	28.2
Nursery, greenhouse, floriculture, sod	21.3
Other crops and hay	20.1
Cotton	6.5
Tobacco	1.0
Christmas trees and woody crops	0.6

U.S. = 280.6
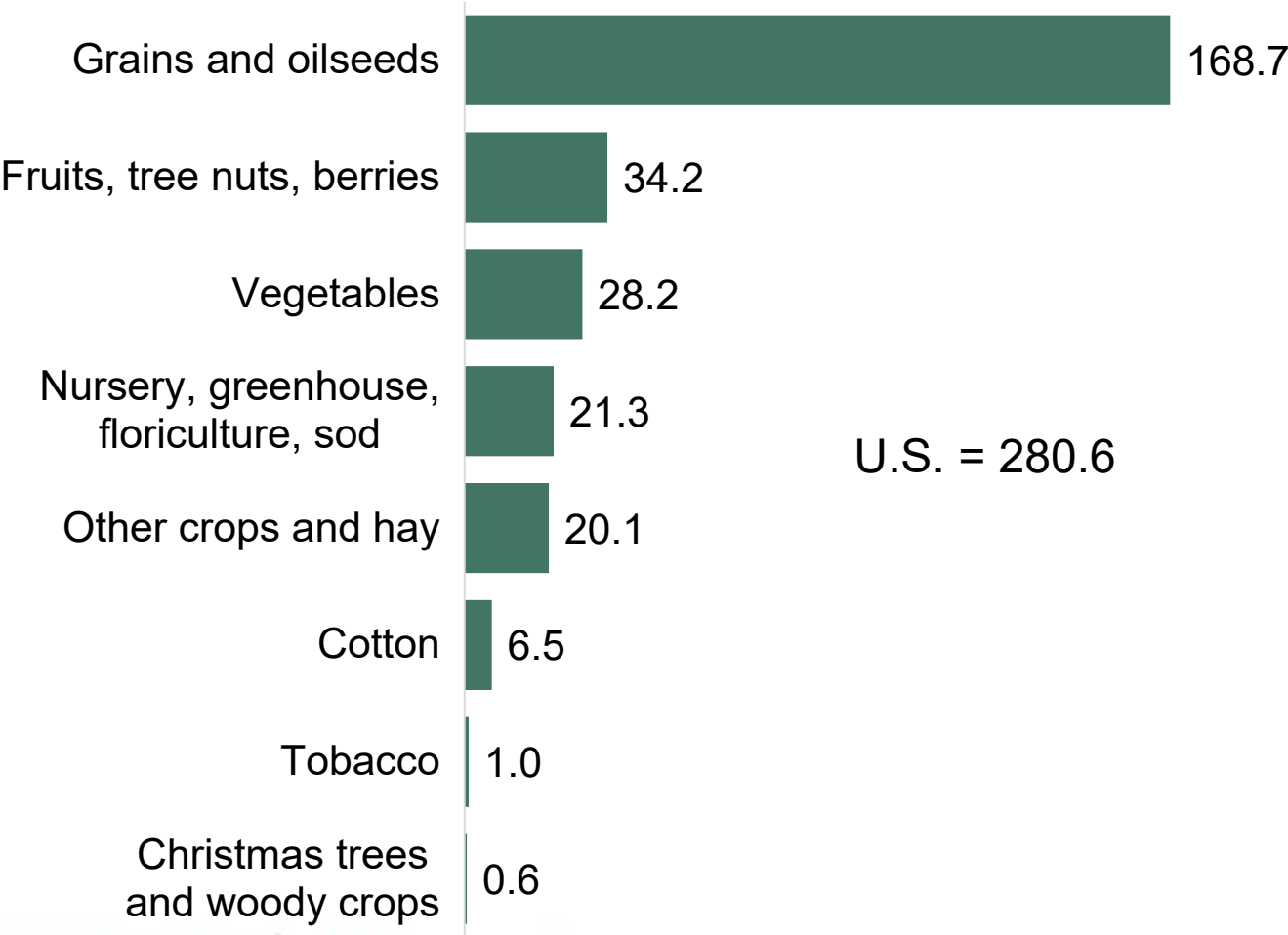
	Top State	% of U.S.
Grains and oilseeds	Iowa	14
Fruits, tree nuts, berries	California	68
Vegetables	California	41
Nursery, greenhouse, floriculture, sod	California	18
Other crops and hay	California	12
Cotton	Texas	22
Tobacco	North Carolina	51
Christmas trees and woody crops	Oregon	30

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Value of Livestock Production by Category, 2022

Value *($ billions)*

Category	Value
Cattle and calves	89.4
Poultry and eggs	76.5
Milk	52.8
Hogs and pigs	36.4
Aquaculture	2.3
Horses, ponies, and mules	2.3
Other animals and animal products	1.7
Sheep, goats, wool, mohair, milk	1.1

U.S. = 262.5
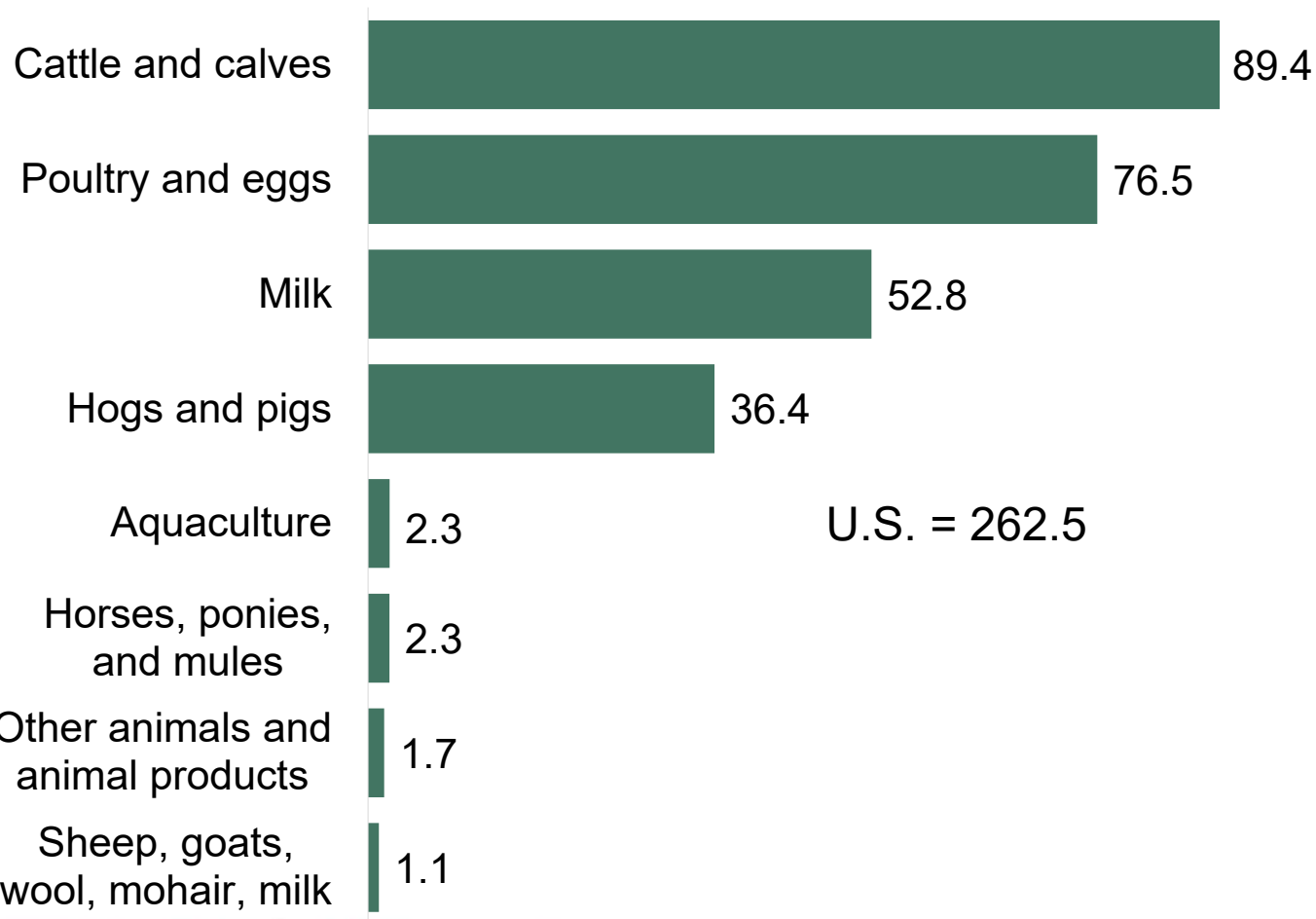
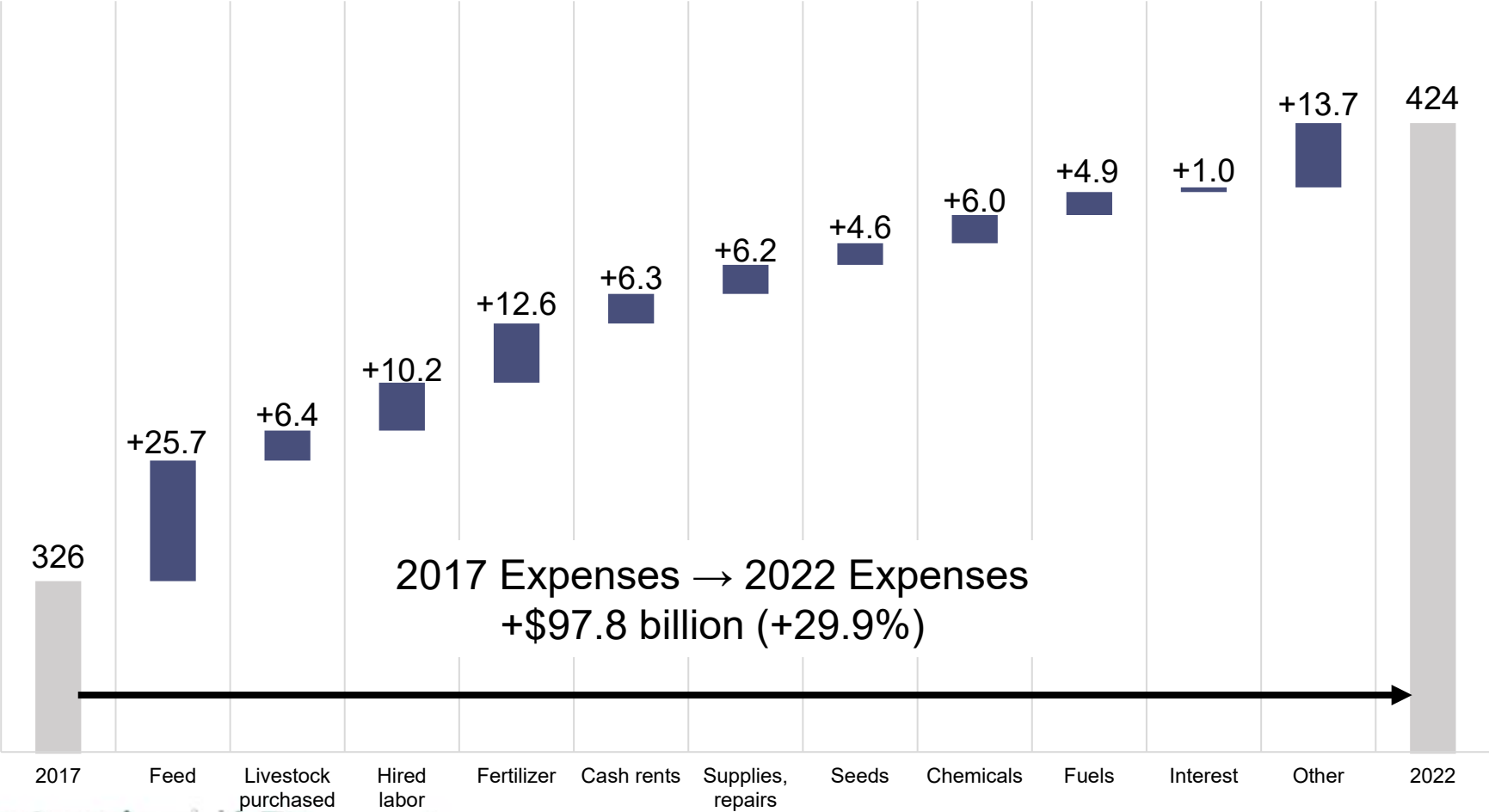|	Top State	% of U.S.
Cattle and calves	Texas	17
Poultry and eggs	North Carolina	12
Milk	California	18
Hogs and pigs	Iowa	32
Aquaculture	Washington	13
Horses, ponies, mules	Kentucky	33
Other animals and animal products	Texas	10
Sheep, goats, wool, mohair, milk	Texas	15

Value of Production, Top 10 Commodities, 2022 *($ billions)*
Change in Value, 2017 to 2022
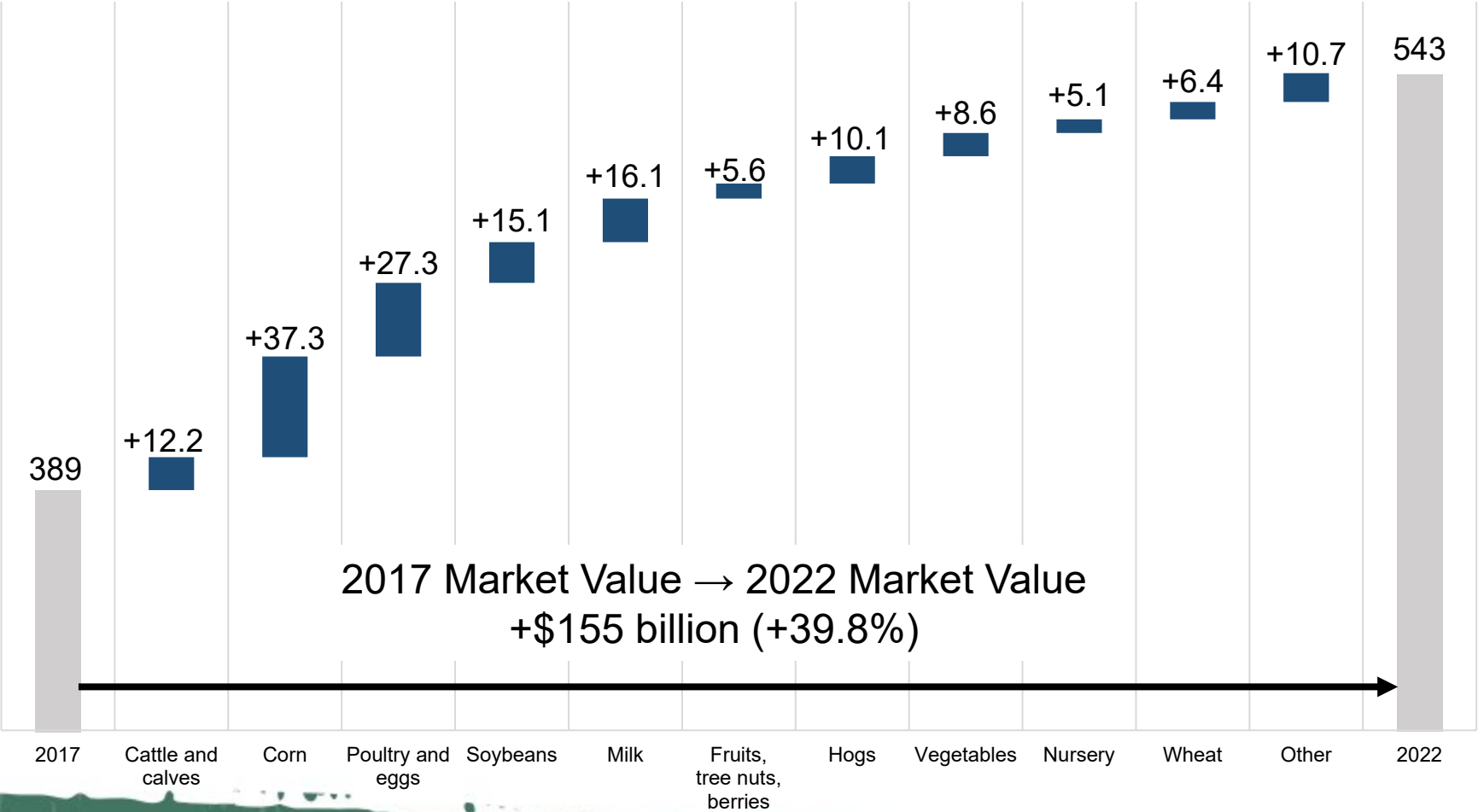
Commodity	TVP
Cattle and calves	89.4
Corn	88.5
Poultry and eggs	76.5
Soybeans	55.4
Milk	52.8
Hogs and pigs	36.4
Fruits, tree nuts, berries	34.2
Vegetables	28.2
Nursery, greenhouse, floriculture, sod	21.3
Wheat	14.3
Other	46.1

2017 Market Value → 2022 Market Value
+$155 billion (+39.8%)

389 → 543

+12.2 Cattle and calves
+37.3 Corn
+27.3 Poultry and eggs
+15.1 Soybeans
+16.1 Milk
+5.6 Fruits, tree nuts, berries
+10.1 Hogs
+8.6 Vegetables
+5.1 Nursery
+6.4 Wheat
+10.7 Other

2017 · Cattle and calves · Corn · Poultry and eggs · Soybeans · Milk · Fruits, tree nuts, berries · Hogs · Vegetables · Nursery · Wheat · Other · 2022

Farm Production Expenses, 2022 *($ billions)*

Change in Value, 2017 to 2022

2017 Expenses → 2022 Expenses
+$97.8 billion (+29.9%)

Waterfall chart values (2017 to 2022):
- 2017: 326
- Feed: +25.7
- Livestock purchased: +6.4
- Hired labor: +10.2
- Fertilizer: +12.6
- Cash rents: +6.3
- Supplies, repairs: +6.2
- Seeds: +4.6
- Chemicals: +6.0
- Fuels: +4.9
- Interest: +1.0
- Other: +13.7
- 2022: 424

Farm Expenses	
Feed	88.4
Livestock purchased	51.4
Hired labor	41.8
Fertilizer	36.1
Cash rents	27.3
Supplies and repairs	25.9
Seeds	25.6
Chemicals	23.6
Fuels	18.4
Interest	13.4
Other	72.2

Farm Income and Expenses, 2017 and 2022 *($ billions)*

	2017	2022	% change
Value of ag products sold	388.5	543.1	+40
Government payments	8.9	10.4	+17
Farm-related income	16.8	22.3	+32
Production expenses	326.4	424.1	+30
Net income	87.9	151.6	+72
Per farm average net income (dollars)	$43,053	$79,790	+85

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Farms with Internet Access
As a Percent of Total, by County, 2022

By Type, 2022 *(percent)*

Percent
- less than 60
- 60 - 69
- 70 - 79
- 80 - 84
- 85 - 89
- 90 or more

U.S. = 79%

Mobile — 62%
Broadband — 55%
Satellite — 19%
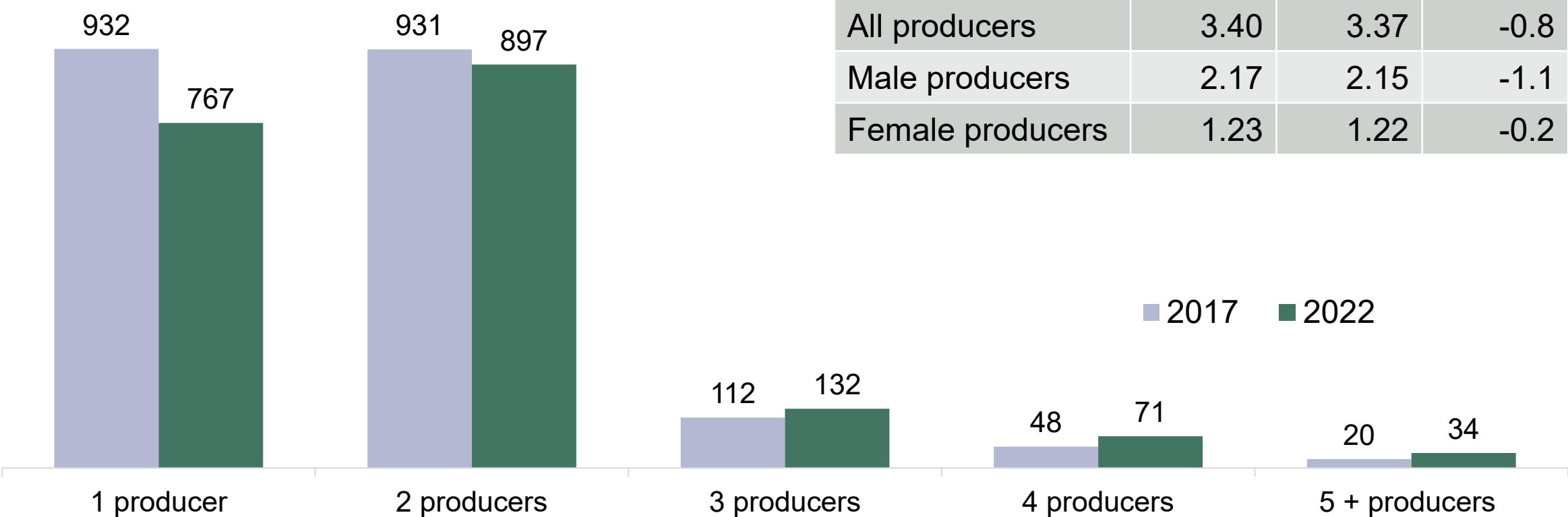Dial-Up — 3%
Other Internet Service — 1%
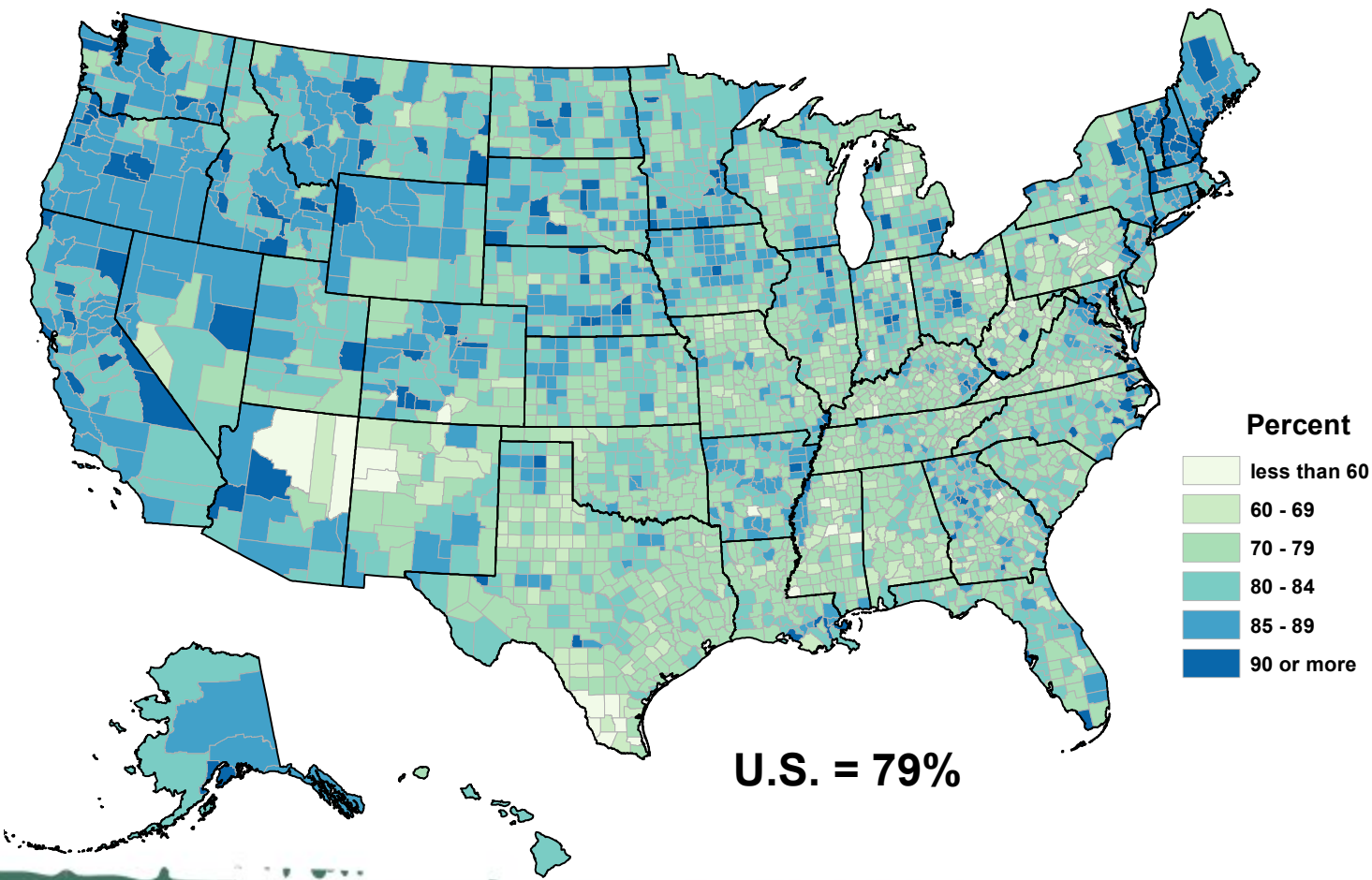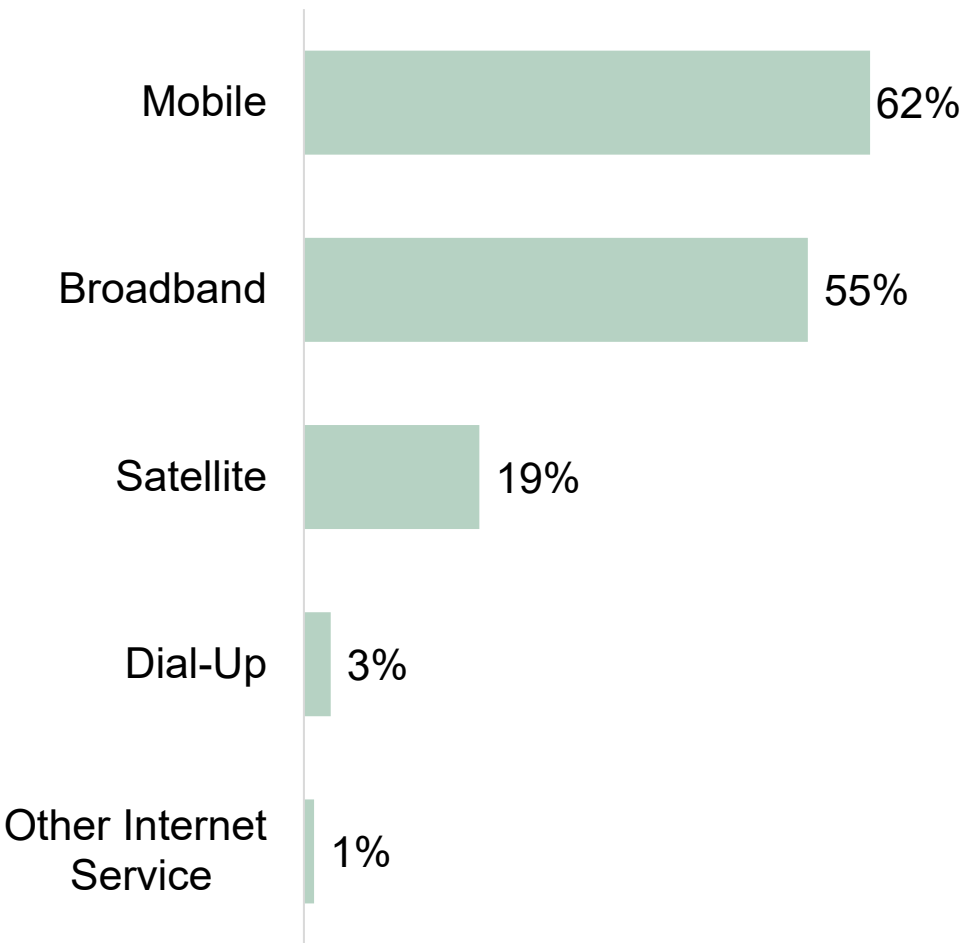
Demographics of Farm Producers

- Farm Producer Characteristics by Sex

- Average Age of Producers

- Young Producers

- New and Beginning Producers

- Farm and Producer Characteristics by Race and Ethnicity

- Producers with Military Service

# Farm Structure, 2017 and 2022

Farms by Number of Producers *(thousands)*

Producers by Sex *(millions)*

	2017	2022	% change
All producers	3.40	3.37	-0.8
Male producers	2.17	2.15	-1.1
Female producers	1.23	1.22	-0.2

Legend: ■ 2017 ■ 2022

Category	2017	2022
1 producer	932	767
2 producers	931	897
3 producers	112	132
4 producers	48	71
5 + producers	20	34

Producers by Sex, 2022

Female Producers by Percent of All Producers, by County

Percent

- less than 30
- 30 - 34
- 35 - 39
- 40 - 44
- 45 or more

U.S. = 36%
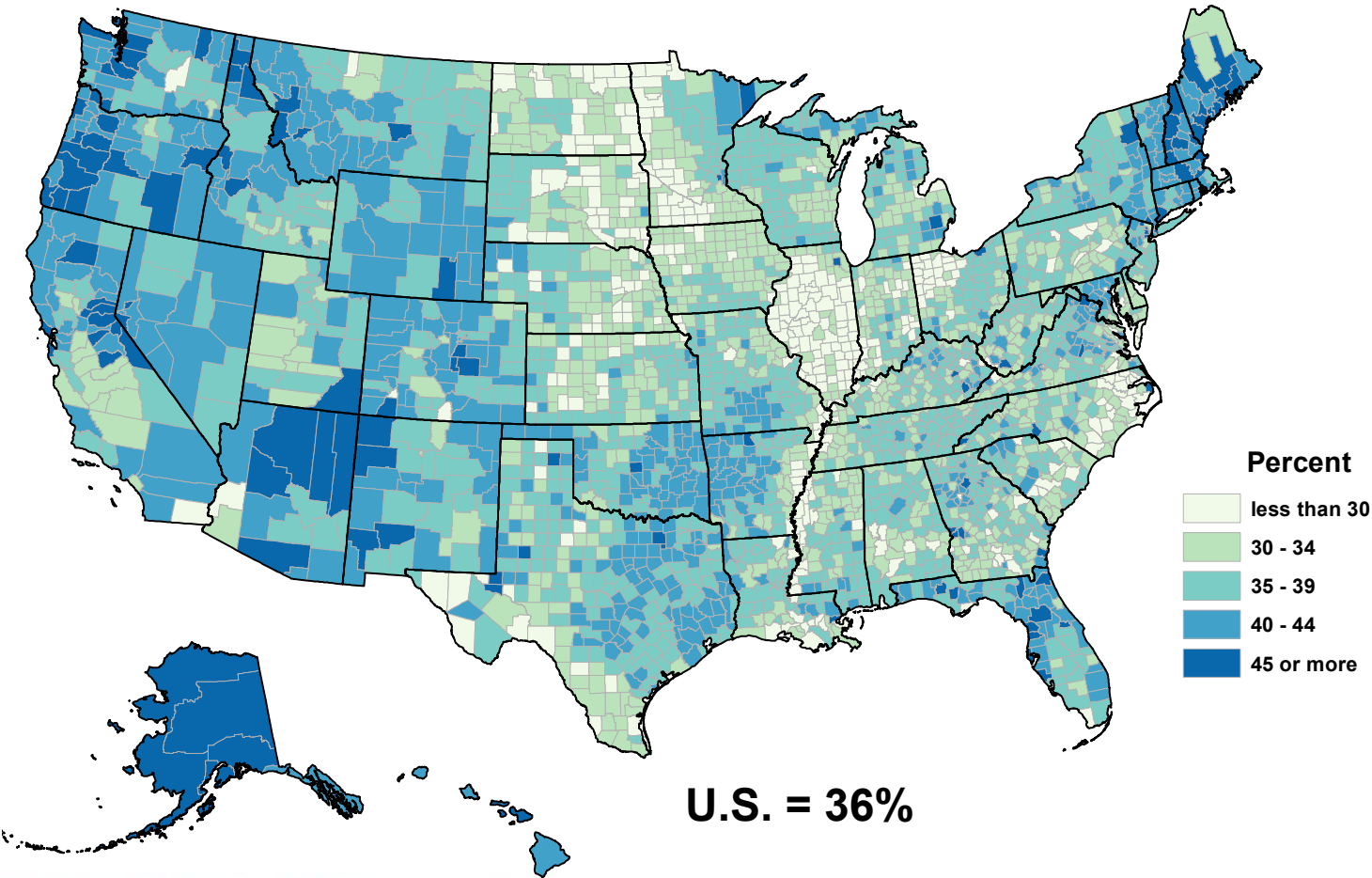
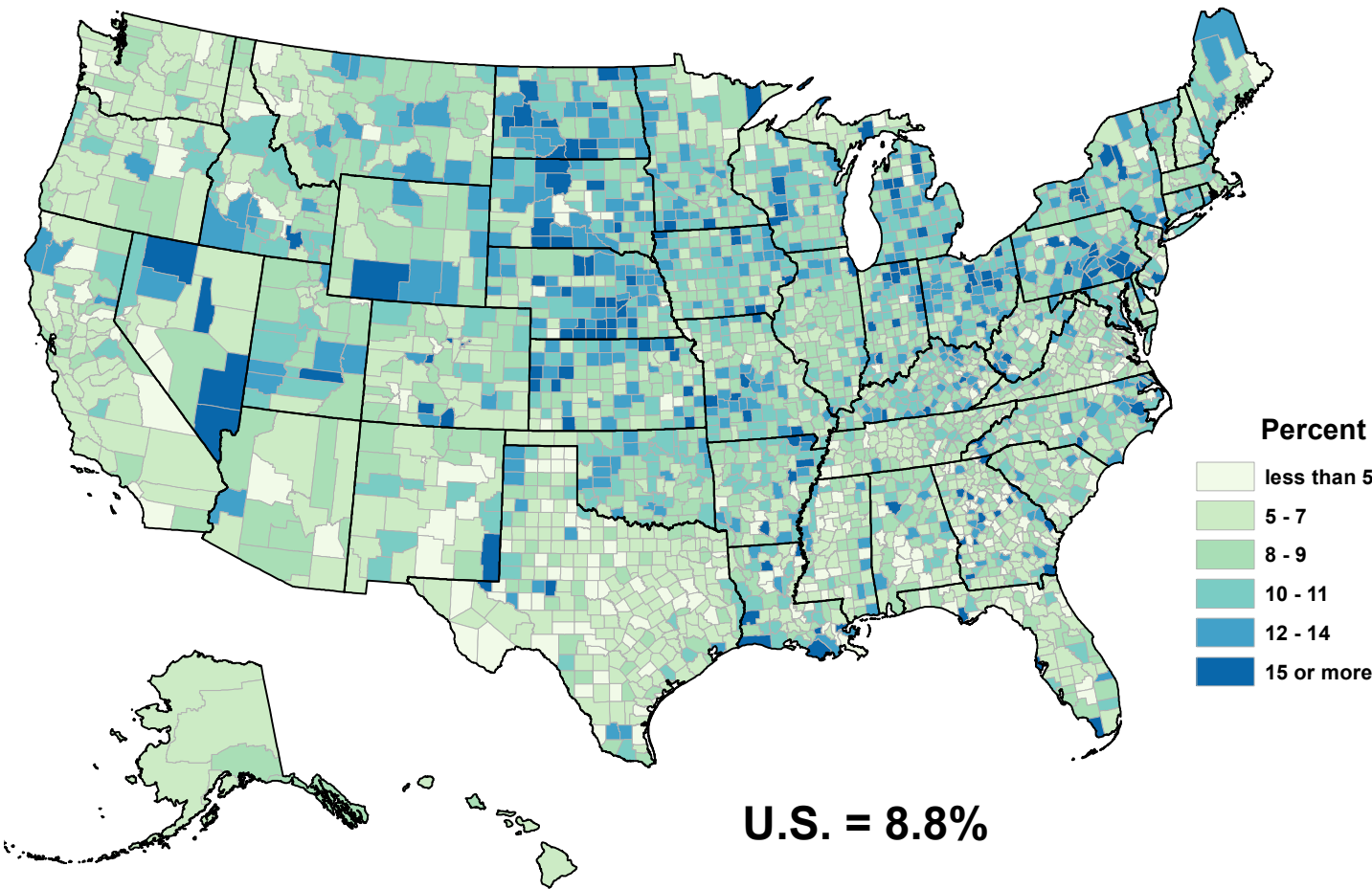| Producers	Female	Male
Number	1,224,726	2,149,318
Average age	57.8	58.3
Farms		
Number	1,110,546	1,757,655
Average farm size (acres)	367	481
Average Total Value of Production	$199,959	$303,148

Average Age of Producers

By County, 2022

Average Age

- under 56
- 56.0 - 56.9
- 57.0 - 57.9
- 58.0 - 58.9
- 59.0 - 59.9
- 60.0 or more

U.S. = 58.1
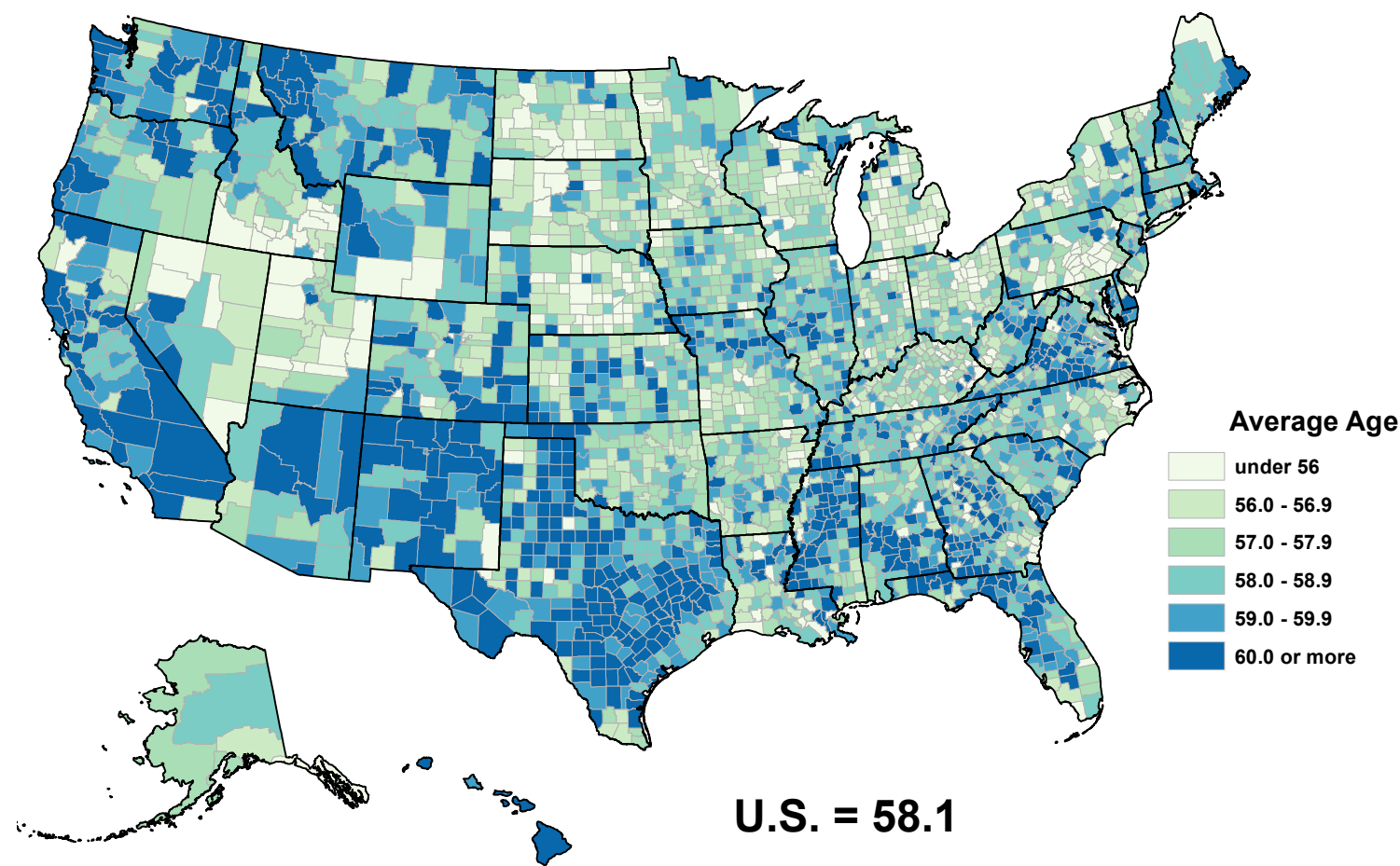
All Producers, 2002 - 2022	
2002	53.2
2007	54.9
2012	56.3
2017	57.5
2022	58.1

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Young Producers (Under 35 years), 2022

As a Percent of All Producers, by County

Percent
- less than 5
- 5 - 7
- 8 - 9
- 10 - 11
- 12 - 14
- 15 or more

U.S. = 8.8%

Producers	Young	All
Number	296,480	3,374,044
Average age	28.6	58.1
Farms		
Number	221,233	1,900,487
Average farm size (acres)	475	463
Average Total Value of Production	$363,592	$285,762

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Young Producers, 2022 *(thousands)*
As a Percent Change 2017 to 2022, by State

U.S. = +3.9%

Percent Change
- Less than -5
- -5 to -1.01
- -1 to 1
- 1.01 to 4.99
- 5 or more
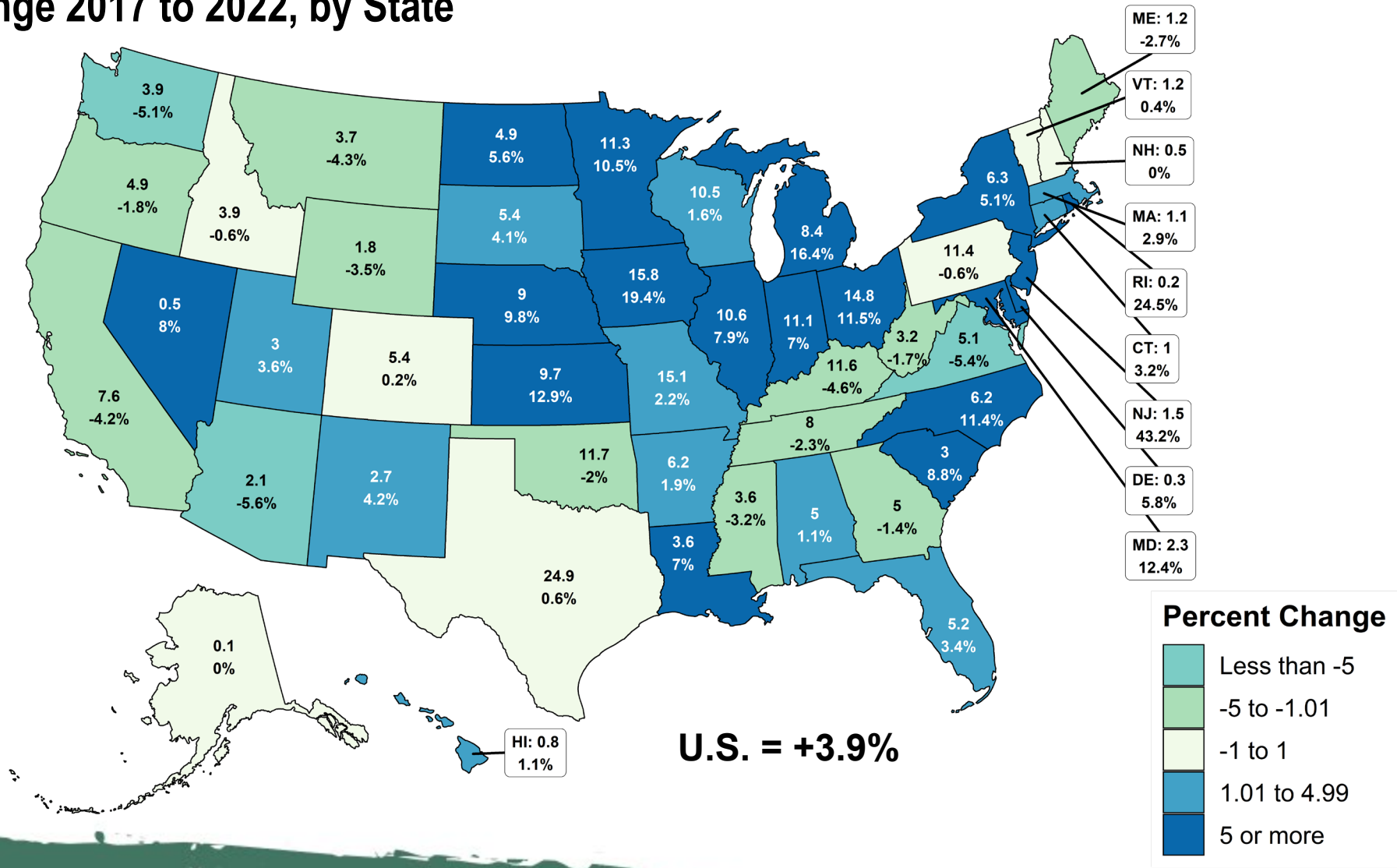
New and Beginning Producers (10 years or less on any farm), 2022
As a Percent of All Producers, by County

Percent
- less than 25
- 25 - 29
- 30 - 34
- 35 - 39
- 40 - 44
- 45 or more

U.S. = 30%
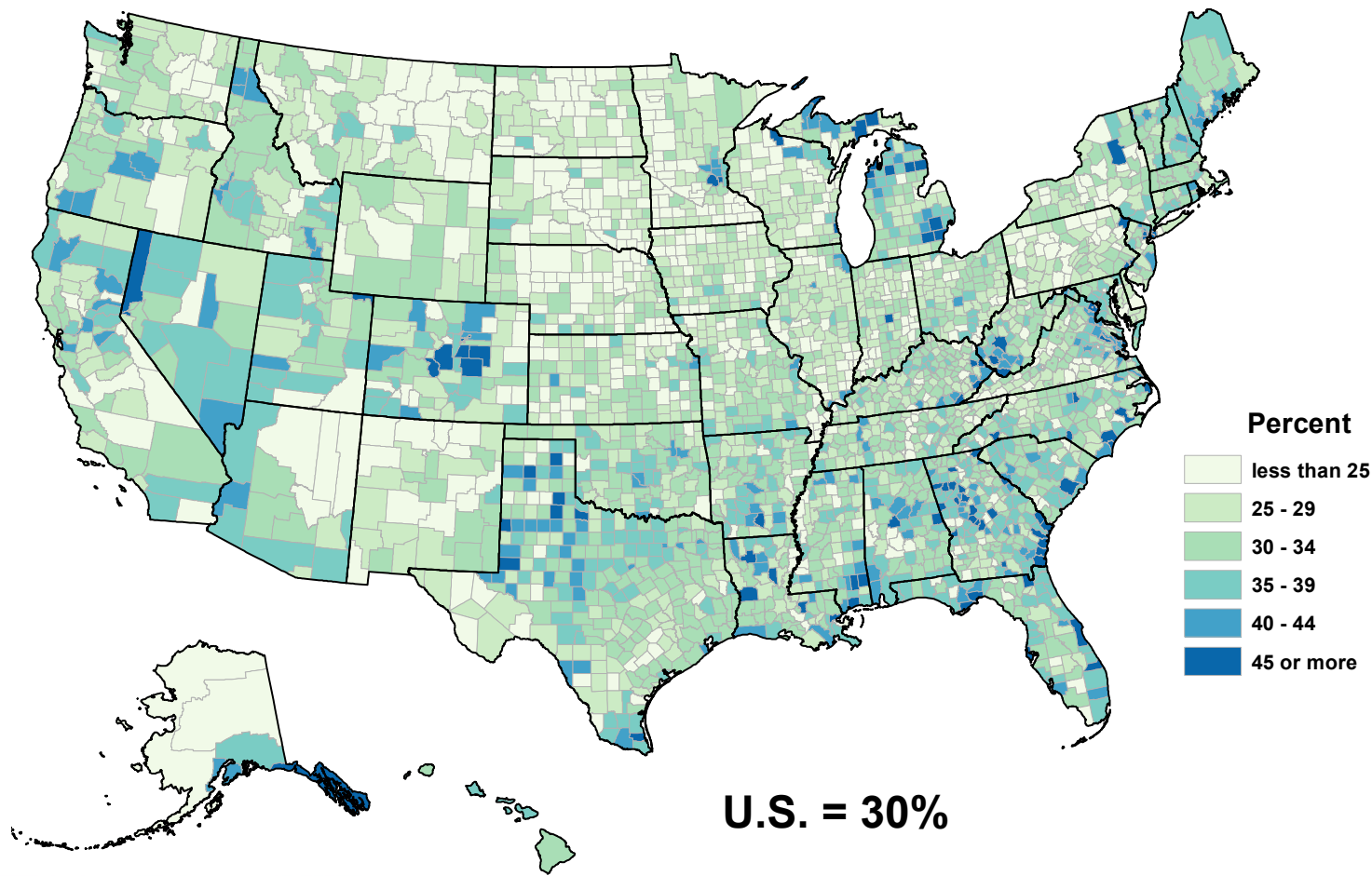
Producers

	New and Beginning	All
Number	1,011,715	3,374,044
Average age	47.1	58.1

Farms

	New and Beginning	All
Number	630,116	1,900,487
Average farm size (acres)	312	463
Average Total Value of Production	$194,342	$285,762

Producers with Military Service, 2022
As a Percent of All Producers, by County

Percent

- less than 7.5
- 7.5 - 9.9
- 10.0 - 12.4
- 12.5 - 14.9
- 15.0 or more

U.S. = 9.1%
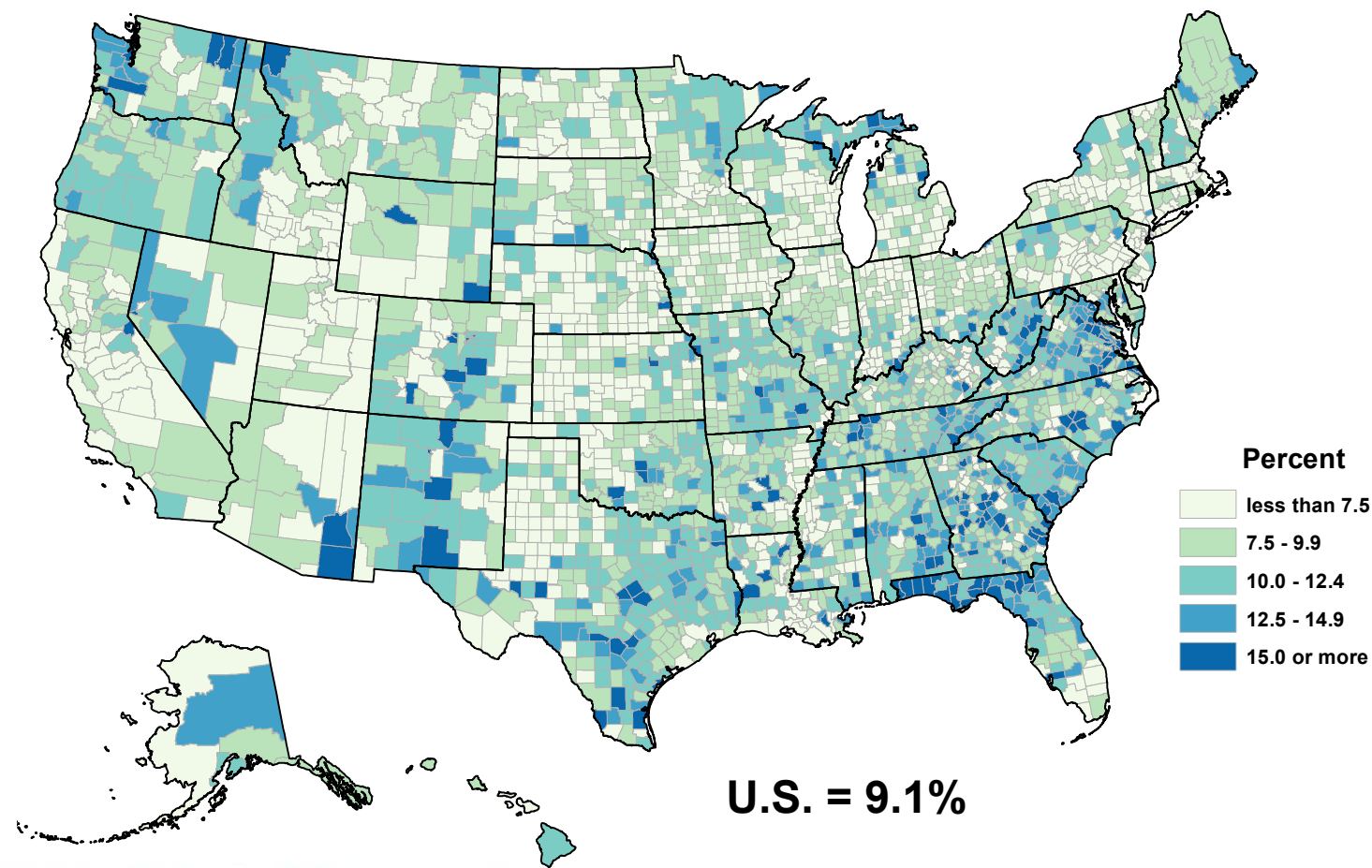
Producers	With Military Service	All
Number	305,753	3,374,044
Average age	68.2	58.1

Farms	With Military Service	All
Number	289,372	1,900,487
Average farm size (acres)	373	463
Average Total Value of Production	$169,548	$285,762

New York – 21.6% of Total Land in Agriculture

4.1 Million Acres in Cropland

Number of farms	30,650
Land in farms (acres)	6,502,286
Average size of farm (acres)	212

Top Crops in Acres	
Forage (hay/haylage), all	1,655,850
Corn for grain	603,642
Corn for silage/greenchop	501,938
Soybeans for beans	341,509
Vegetables harvested, all	109,617

Livestock Inventory

December 31, 2022	
Broilers & other meat-type chickens	460,277
Cattle & calves	1,380,585
Goats	29,673
Hogs & pigs	42,889
Horses & ponies	62,404
Layers	6,388,603
Pullets	1,693,479
Sheep & lambs	72,574
Turkeys	(D)

Pennsylvania – 24.6% of Total Land in Agriculture

4.4 Million Acres in Cropland

Number of farms	49,053
Land in farms (acres)	7,058,325
Average size of farm (acres)	144

Top Crops in Acres	
Forage (hay/haylage), all	1,481,905
Corn for grain	998,267
Soybeans for beans	692,804
Corn for silage/greenchop	267,678
Wheat for grain, all	189,934

Livestock Inventory

December 31, 2022	
Broilers & other meat-type chickens	39,986,947
Cattle & calves	1,335,451
Goats	57,052
Hogs & pigs	1,342,066
Horses & ponies	80,869
Layers	26,859,709
Pullets	13,800,765
Sheep & lambs	102,055
Turkeys	2,721,982

West Virginia – 23.1% of Total Land in Agriculture

877,701 Acres in Cropland

Number of farms	22,787
Land in farms (acres)	3,549,104
Average size of farm (acres)	156

Top Crops in Acres	
Forage (hay/haylage), all	604,221
Corn for grain	34,882
Soybeans for beans	25,189
Corn for silage/greenchop	9,033
Wheat for grain, all	3,411

Livestock Inventory

December 31, 2022	
Broilers & other meat-type chickens	10,796,272
Cattle & calves	367,634
Goats	19,115
Hogs & pigs	5,204
Horses & ponies	17,344
Layers	1,394,182
Pullets	776,077
Sheep & lambs	32,754
Turkeys	1,243,827

Maryland – 31.6% of Total Land in Agriculture

1.4 Million Acres in Cropland

Number of farms	12,550
Land in farms (acres)	1,978,036
Average size of farm (acres)	158

Top Crops in Acres	
Soybeans for beans	531,904
Corn for grain	422,129
Forage (hay/haylage), all	182,884
Wheat for grain, all	155,307
Corn for silage/greenchop	22,771

Livestock Inventory

December 31, 2022	
Broilers & other meat-type chickens	60,567,658
Cattle & calves	152,394
Goats	12,830
Hogs & pigs	20,219
Horses & ponies	26,115
Layers	2,459,130
Pullets	452,534
Sheep & lambs	18,912
Turkeys	100,789

Delaware – 41.9% of Total Land in Agriculture

425,973 Acres in Cropland

Number of farms	2,158
Land in farms (acres)	522,834
Average size of farm (acres)	242

Top Crops in Acres	
Corn for grain	187,785
Soybeans for beans	175,605
Wheat for grain, all	47,392
Vegetables harvested, all	22,819
Barley for grain	14,659

Livestock Inventory

December 31, 2022	
Broilers & other meat-type chickens	50,458,117
Cattle & calves	10,093
Goats	1,052
Hogs & pigs	2,935
Horses & ponies	3,819
Layers	(D)
Pullets	(D)
Sheep & lambs	1,288
Turkeys	1,512

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Virginia – 28.9% of Total Land in Agriculture

2.9 Million Acres in Cropland

Number of farms	38,995
Land in farms (acres)	7,309,687
Average size of farm (acres)	187

Top Crops in Acres	
Forage (hay/haylage), all	1,117,726
Soybeans for beans	610,605
Corn for grain	384,337
Wheat for grain, all	165,415
Cotton, all	91,073

Livestock Inventory

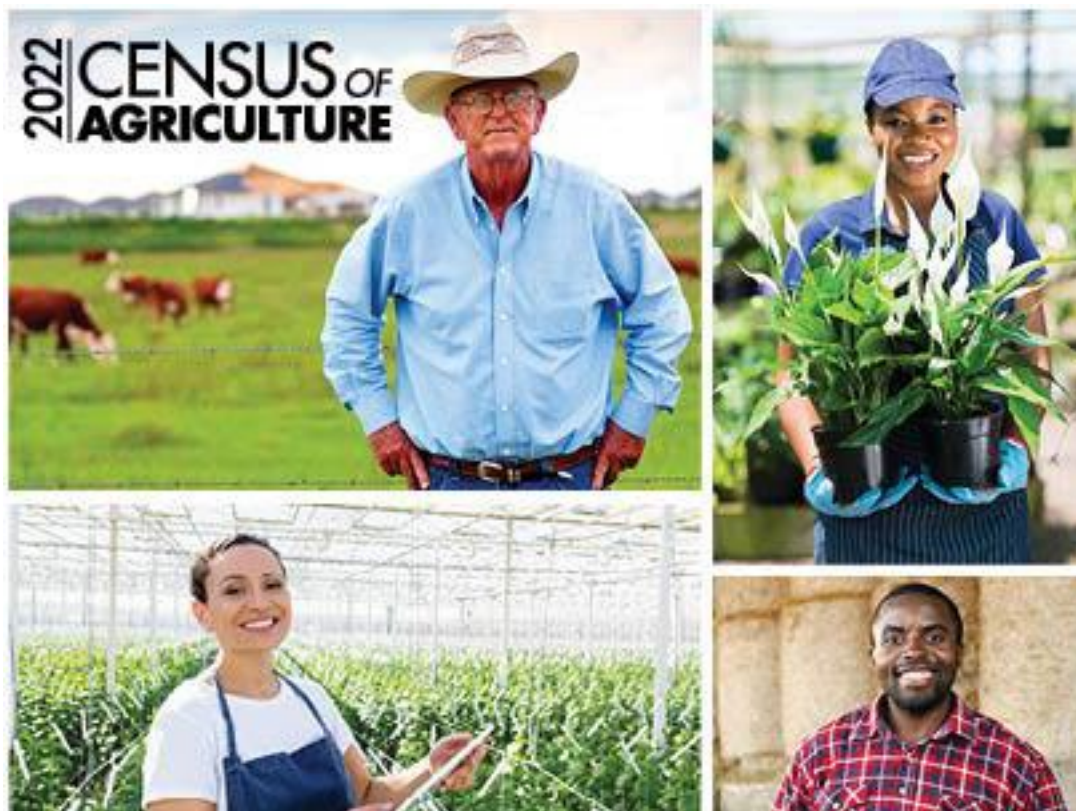| December 31, 2022	
Broilers & other meat-type chickens	55,500,718
Cattle & calves	1,273,665
Goats	40,952
Hogs & pigs	282,797
Horses & ponies	55,258
Layers	2,374,640
Pullets	1,191,467
Sheep & lambs	82,208
Turkeys	5,573,523

Other Data Available

- Direct marketing to consumers and retailers
  - 116,617 farms sold directly to consumers, with sales of $3.3 billion up 16% from 2017
  - 60,332 farms sold directly to retail outlets and institutions, with sales of $14 billion up 57% from 2017

- Land Use Practices
  - 38% of acres used no-till practices, up 1.1 percentage points from 2017
  - 35% used conservation tillage practices, up 0.6 percentage points from 2017
  - 27% used conventional tillage practices, down 1.7 percentage points from 2017
  - 18 million acres were planted to a cover crop, up 2.6 million acres from 2017

- Farms with renewable energy increased 15%
  - Farms with solar panels account for 76% of all farms with renewable energy producing systems

Key Summary Points

- Farm numbers and land in farms both have ongoing declines.

- The largest farms both in terms of dollars and acres increased in number while mid and small-sized farms decreased in number.

- Fewer farms account for the majority of ag products sold.

- The average age of producers continues to rise.

- The number of new and beginning producers increased and young farmers increased.

- There is an increased share of farms with internet access, especially via mobile.

2022 CENSUS OF AGRICULTURE

USDA
United States Department of Agriculture
National Agricultural Statistics Service

Upcoming Census Releases in 2024

Release Date	Release Title
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

2022 CENSUS OF AGRICULTURE

USDA AGRICULTURE COUNTS

United States Department of Agriculture
National Agricultural Statistics Service

All Reports Available at www.nass.usda.gov

For Questions

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