



2017 Census of Agriculture Data Release

April 11, 2019

Citation Request

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USDA National Agricultural Statistics Service, *2017 Census of Agriculture*. Complete data available at www.nass.usda.gov/AgCensus.

If space is limited, use:

USDA NASS, 2017 Census of Agriculture.

Agenda

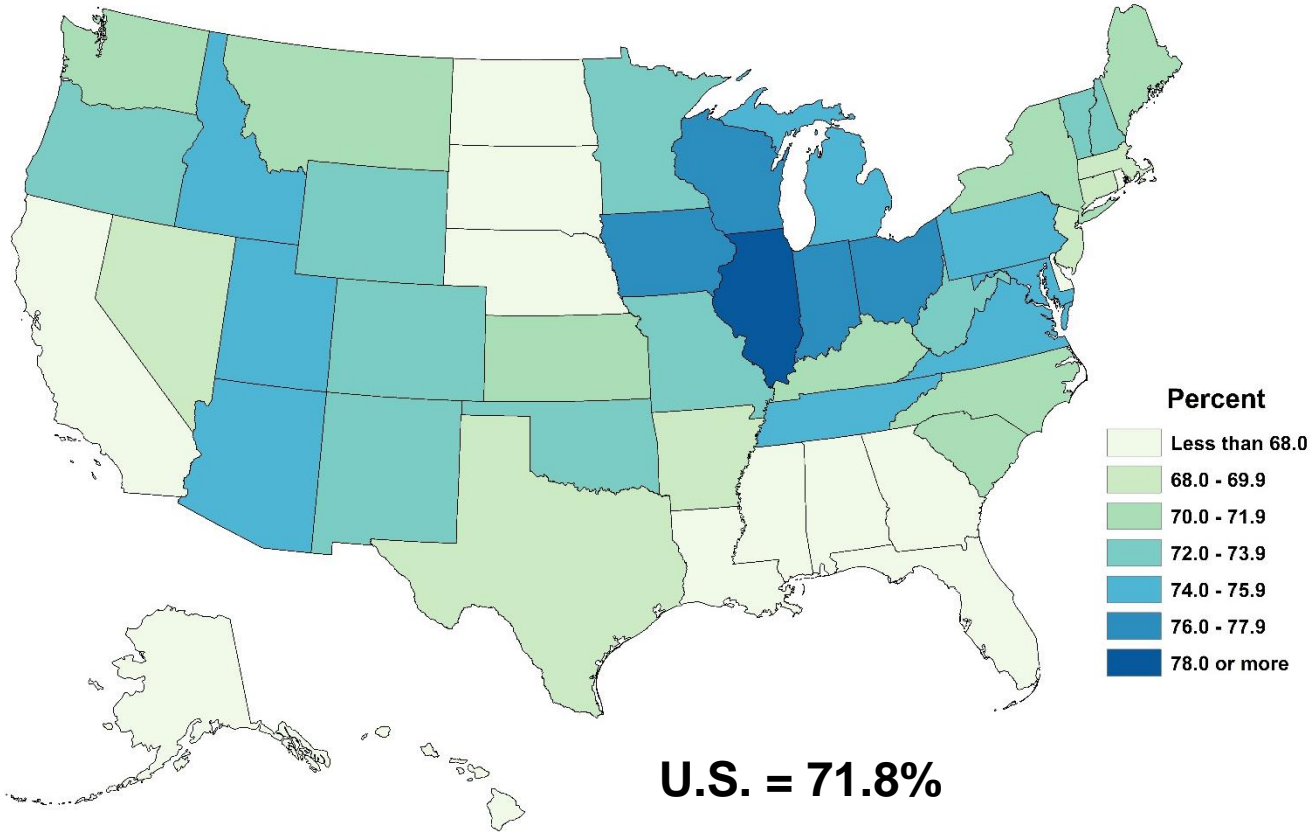
- Census Data Collection
- Farms and Ranches
- Economics
- Demographics
- Future Census Products

History of the Census of Agriculture

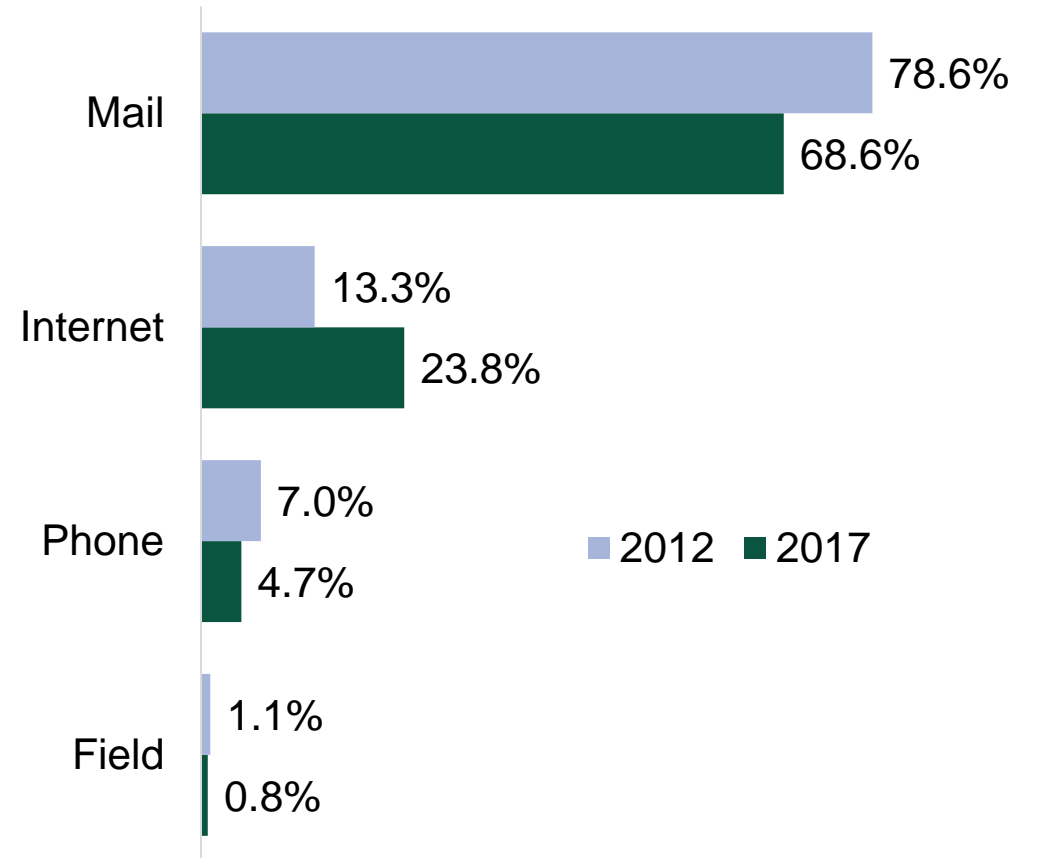
- The first Census of Agriculture was conducted in 1840 in 26 states and the District of Columbia
- 175 years later:
 - The 2017 Census of Agriculture is the 29th in the series, and the 5th conducted by NASS
 - In 1997 the Census was transferred from the Census Bureau to NASS
 - The Census encompasses 50 states, Puerto Rico, and outlying areas
- Data are available for:
 - National, state, and county levels
 - Congressional districts, watersheds, and zip codes

Census Data Collection

Response Rate by State, 2017



Return Rate by Mode, 2012 and 2017 (percent of returns)

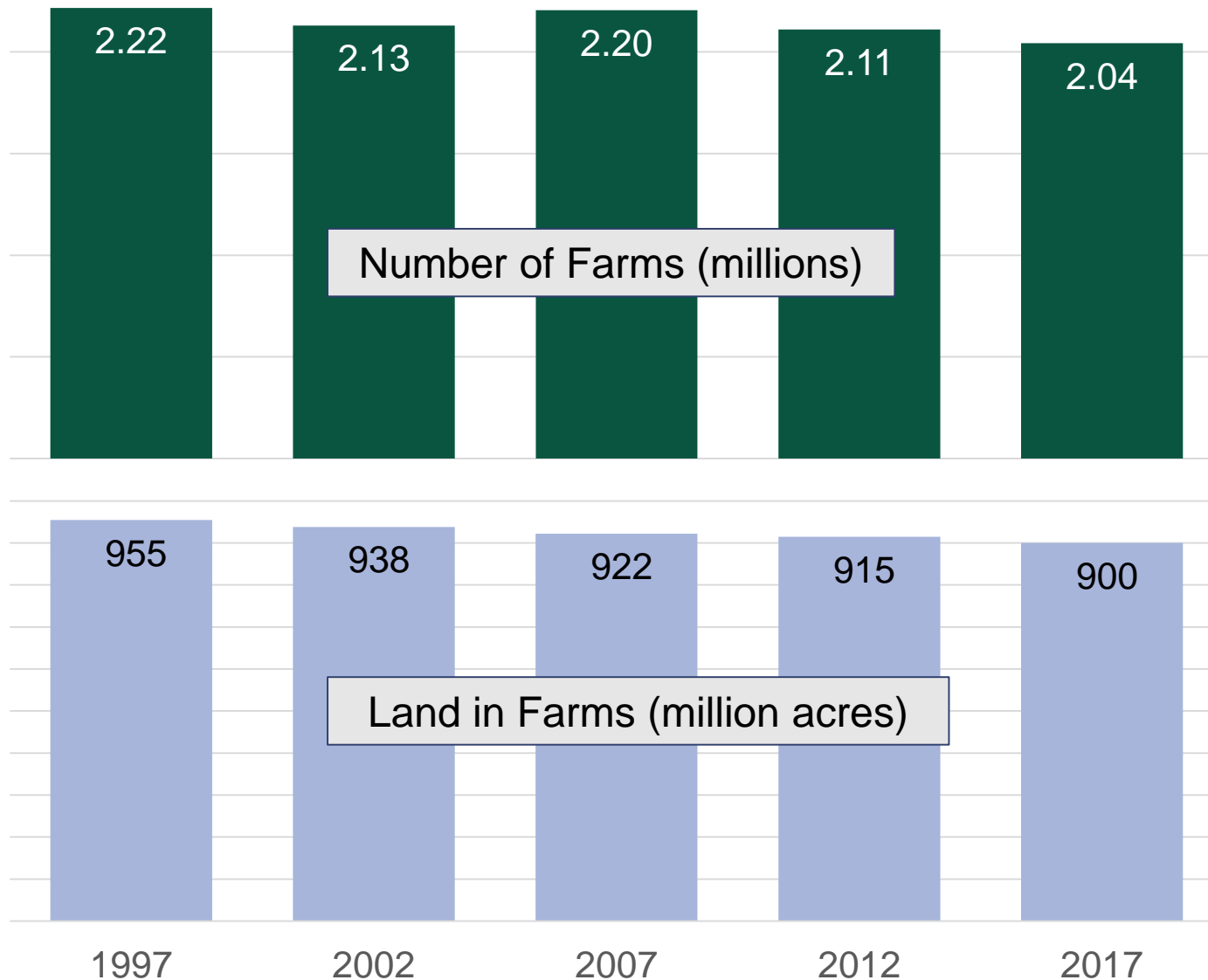


Farms and Land in Farms

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.”

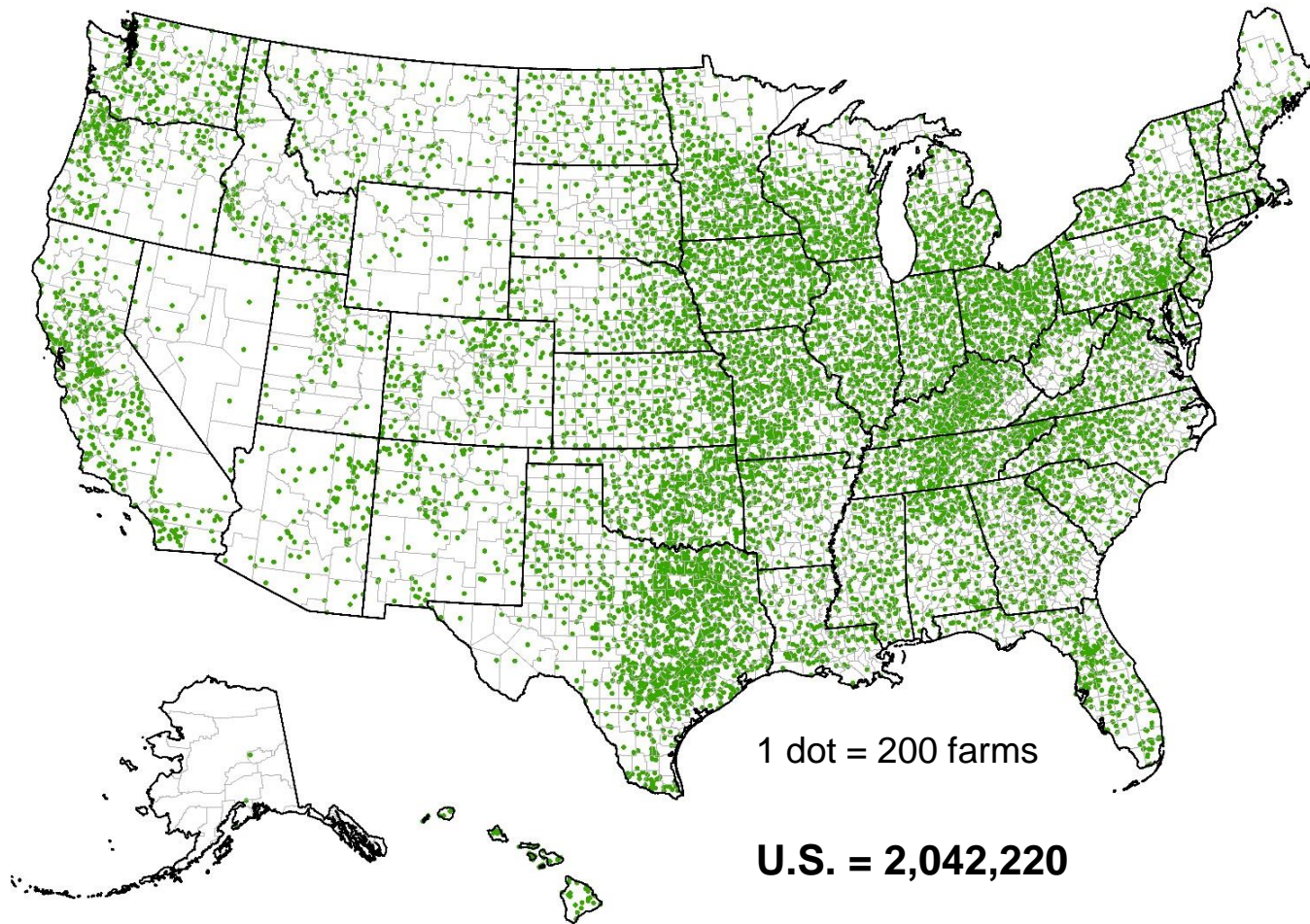
Number of Farms and Land in Farms, 1997-2017



	2012	2017	% change
Number of farms			
	2,109,303	2,042,220	-3.2
Land in farms (acres)			
	914,527,657	900,217,576	-1.6
Average farm size (acres)			
	434	441	+1.6

Number of Farms, 2017

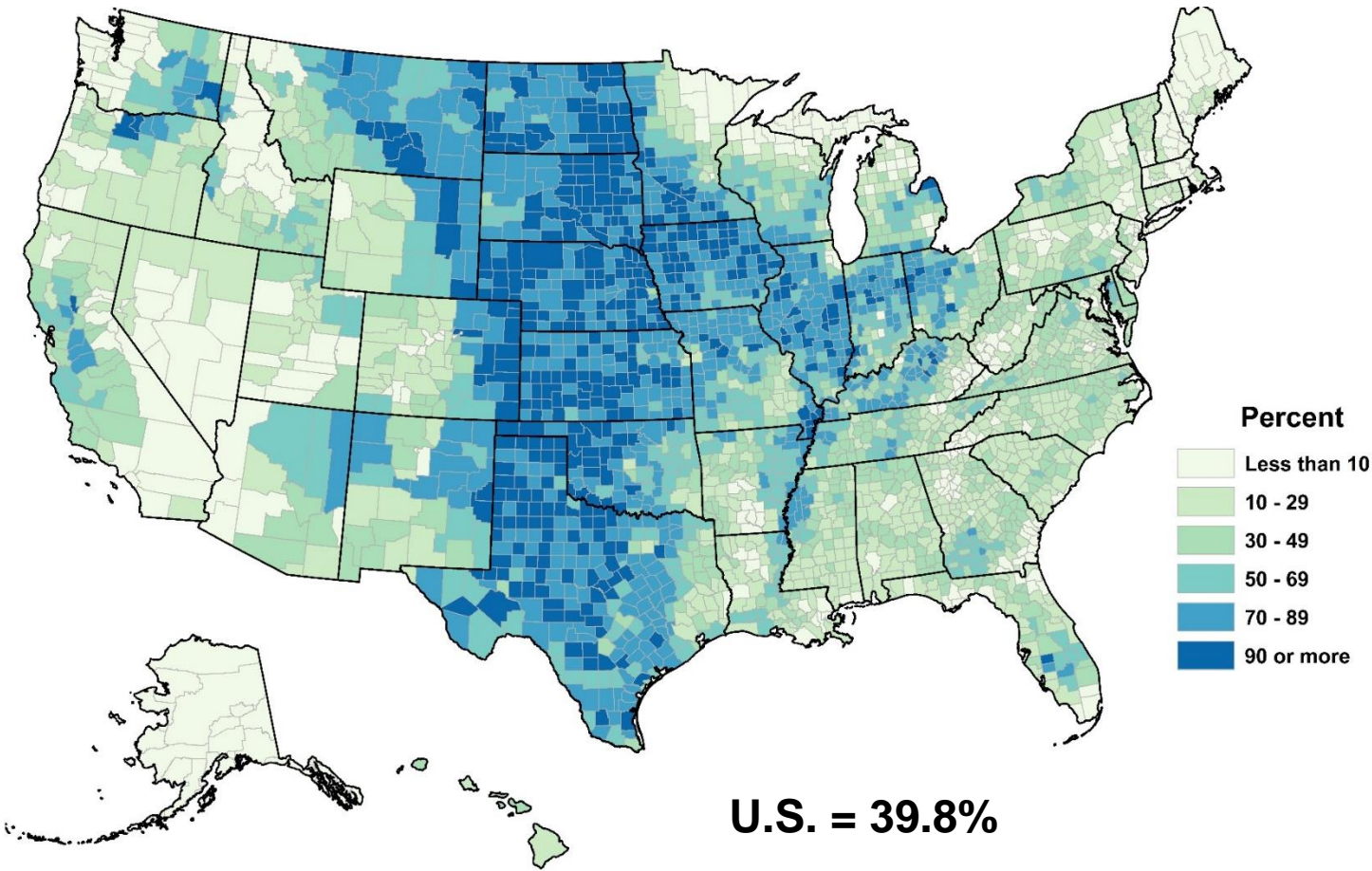
By County



Top 10 States	2017
Texas	248,416
Missouri	95,320
Iowa	86,104
Oklahoma	78,531
Ohio	77,805
Kentucky	75,966
Illinois	72,651
California	70,521
Tennessee	69,983
Minnesota	68,822

Land in Farms, 2017

As a Percent of Total, by County

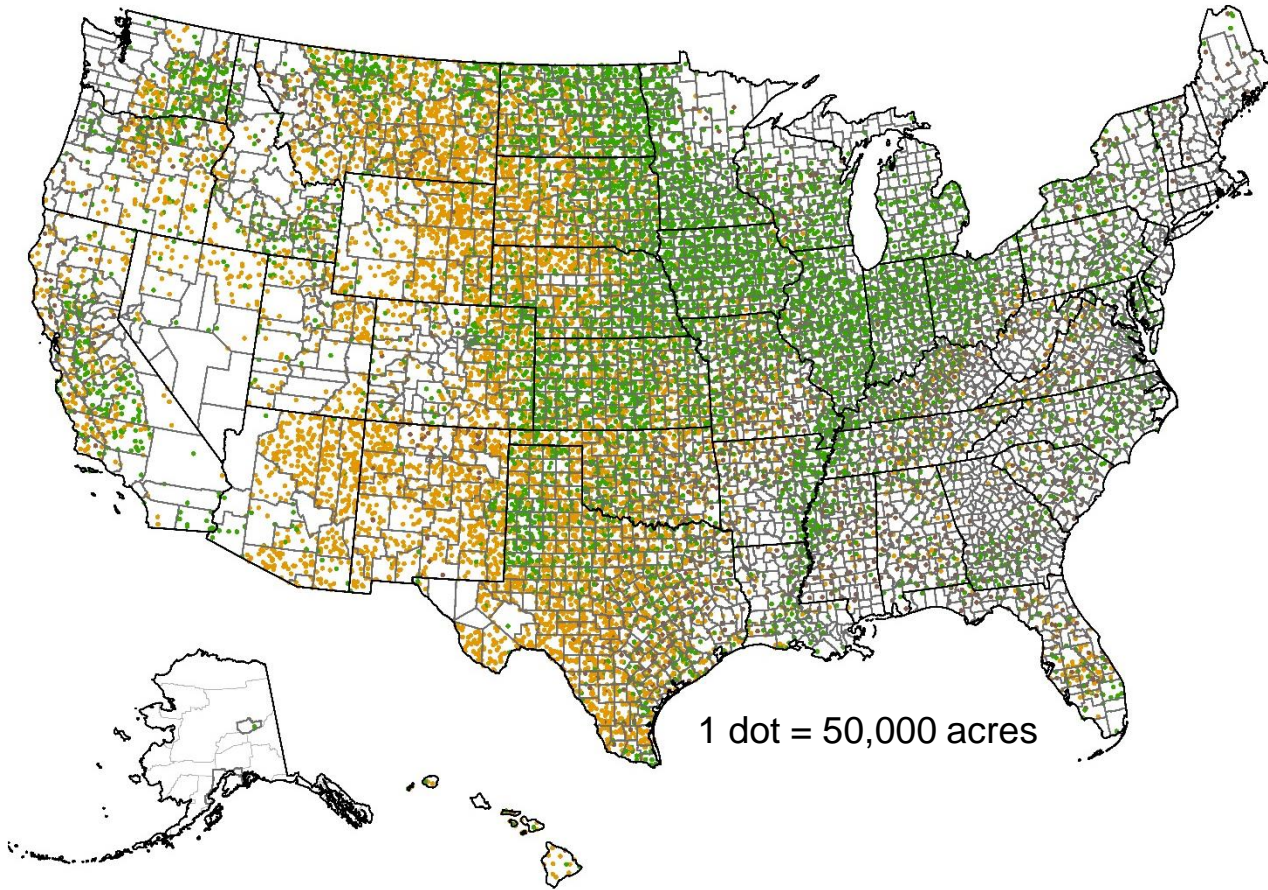


Type of Use	Acres (<i>millions</i>)
Total	900
Permanent Pasture	401
Cropland	396
<i>Harvested Cropland</i>	320
Woodland	73
Other*	30

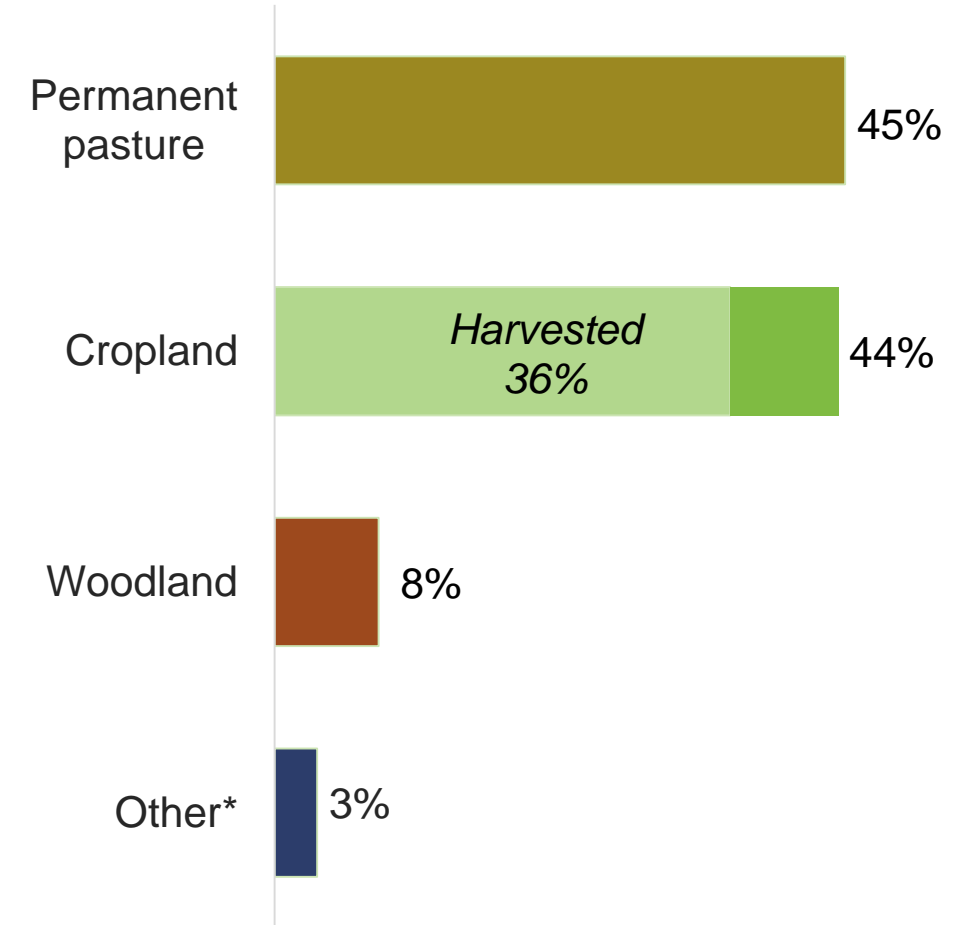
* Statistically significant difference from 2012

Land in Farms, 2017

Agricultural Land Use by Location

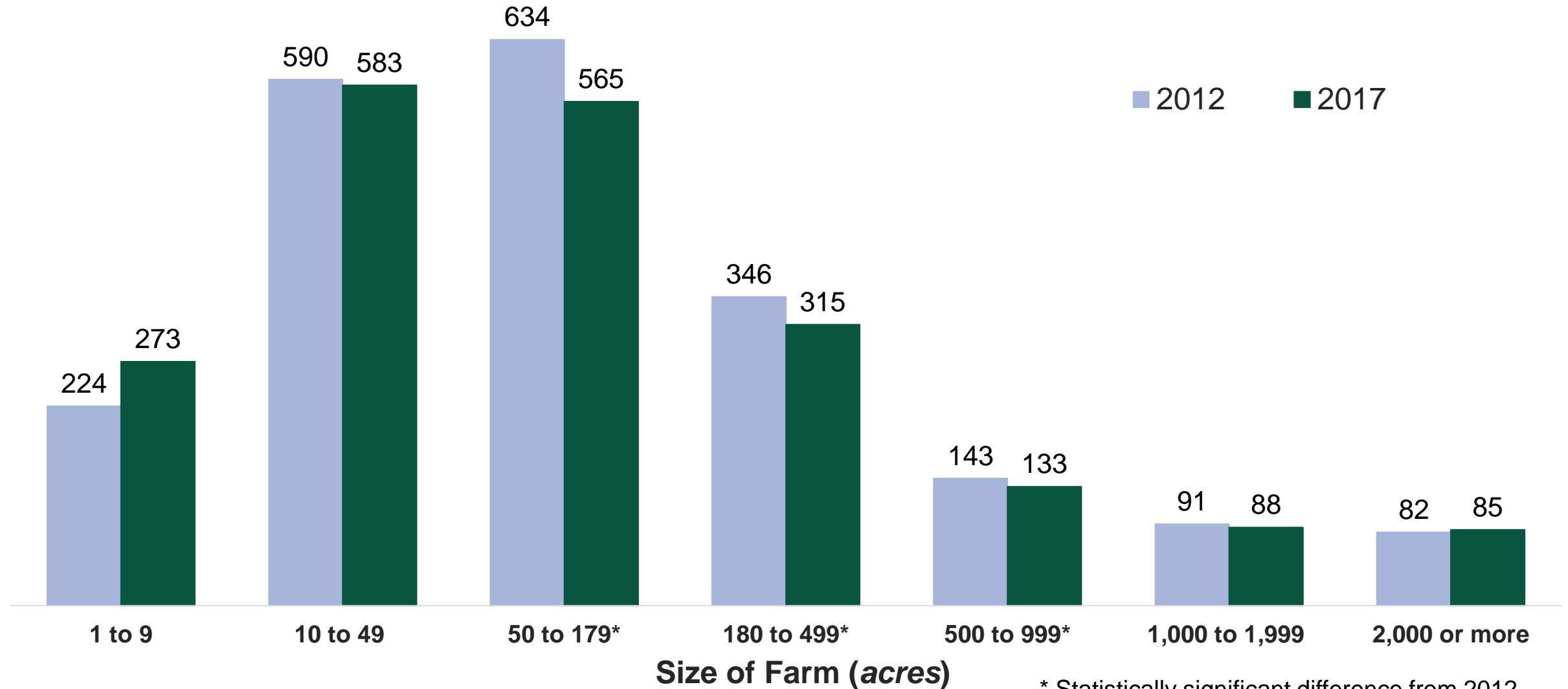


Land Use as Percent of Land in Farms



* Statistically significant difference from 2012

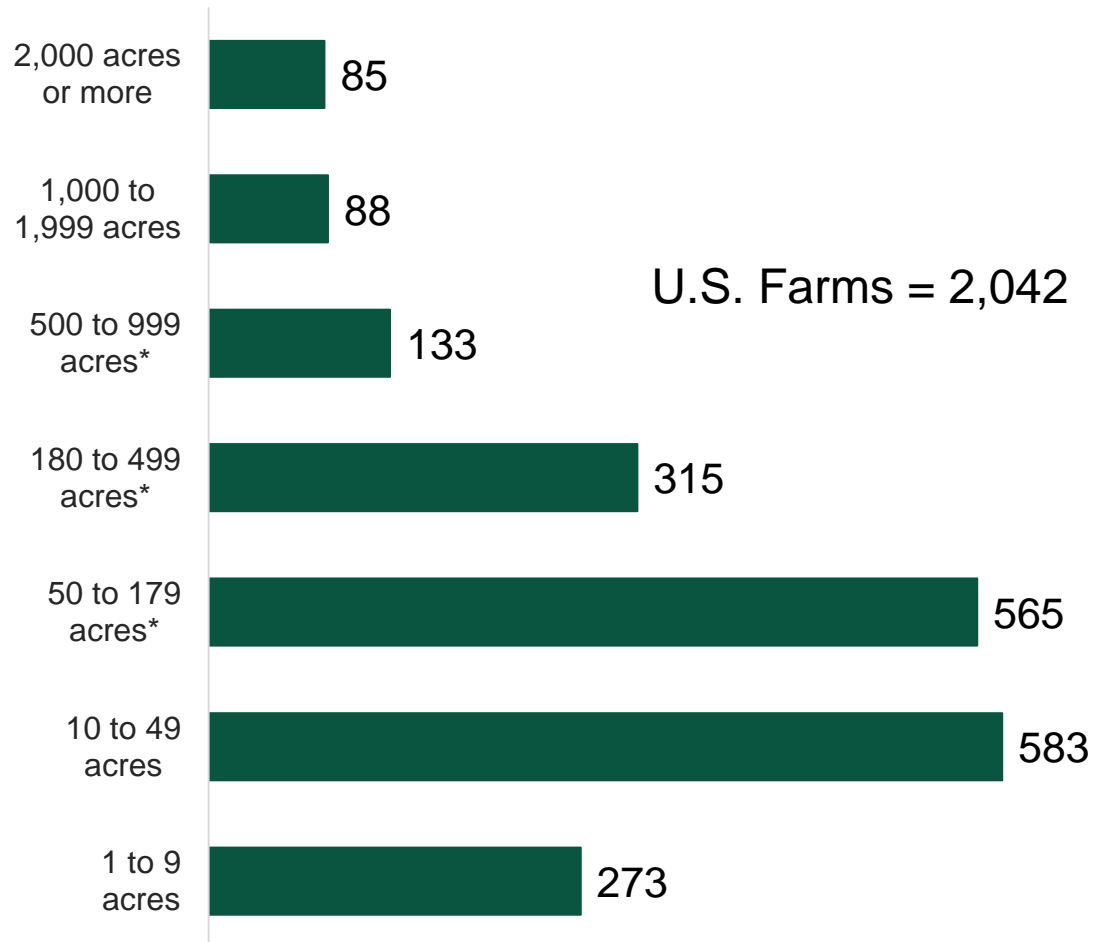
Number of Farms, by Size Category, 2012 and 2017 (*thousands*)



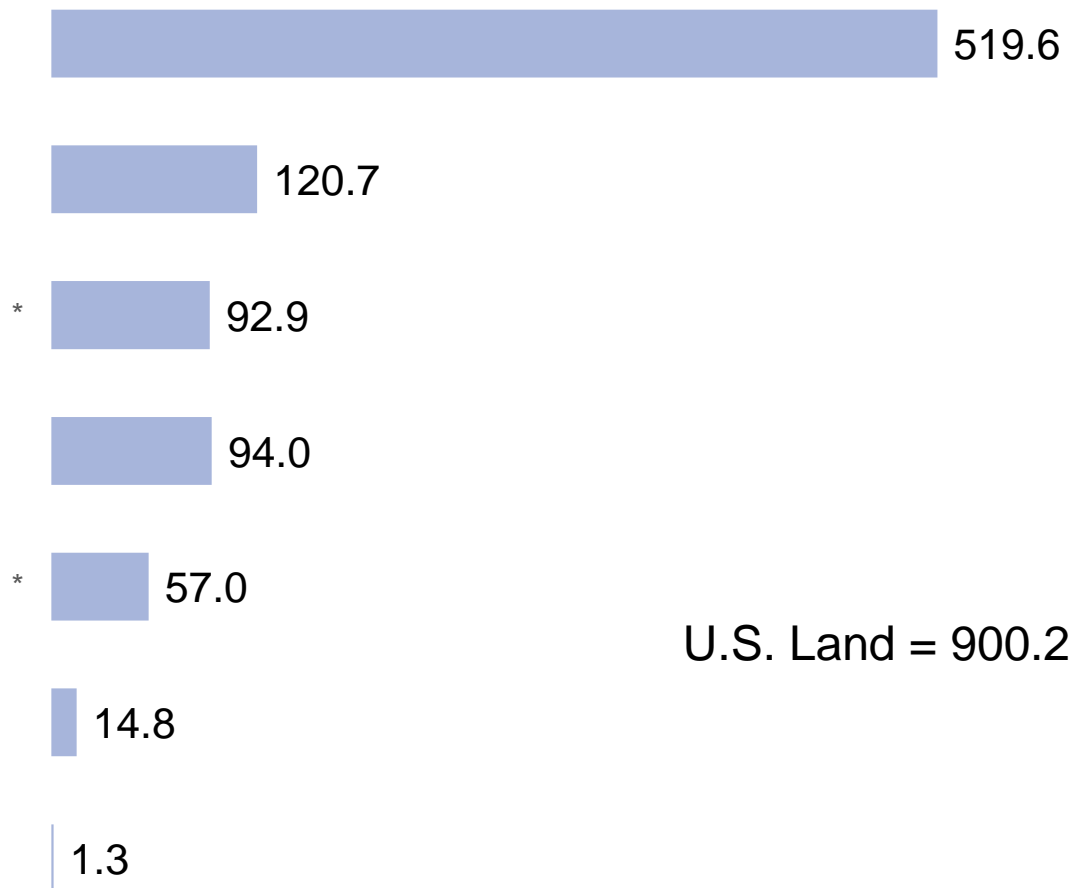
* Statistically significant difference from 2012

Number of Farms and Land in Farms, by Size Category, 2017

Number of Farms (*thousands*)



Land in Farms (*million acres*)



* Statistically significant difference from 2012 12

Economics

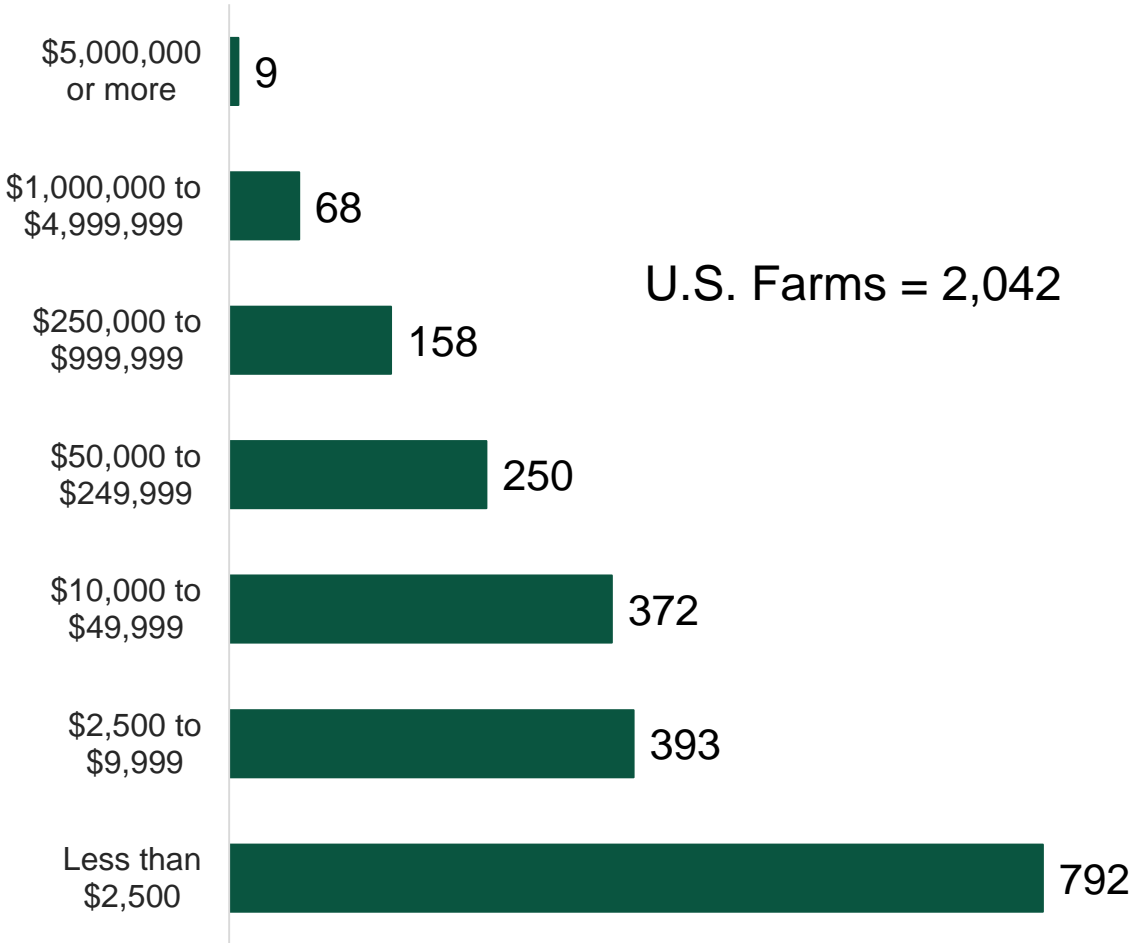
- Total Value of Agricultural Production
- Crop and Livestock Sales
- Farm Income

Number of Farms, by Sales Category, 2012 and 2017 (thousands)

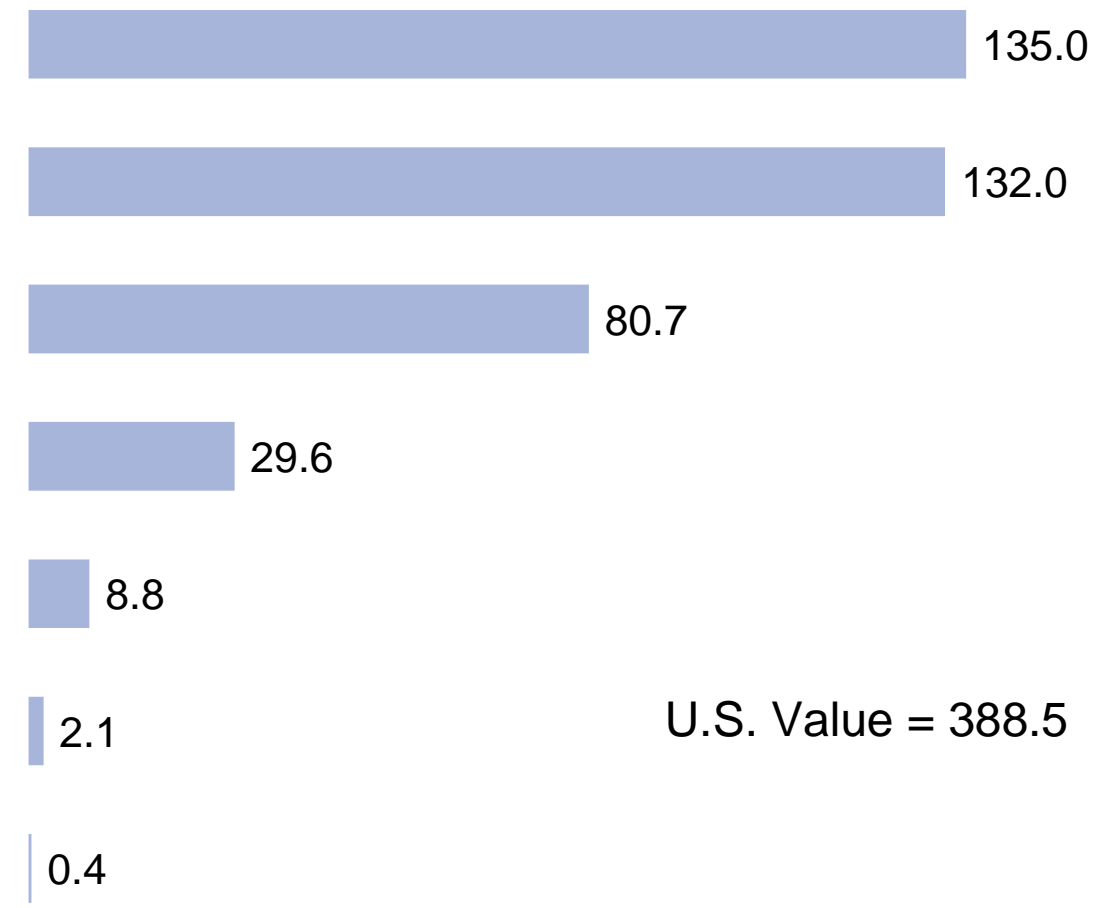


Farms and Value of Production, by Sales Category, 2017

Number of Farms (*thousands*)

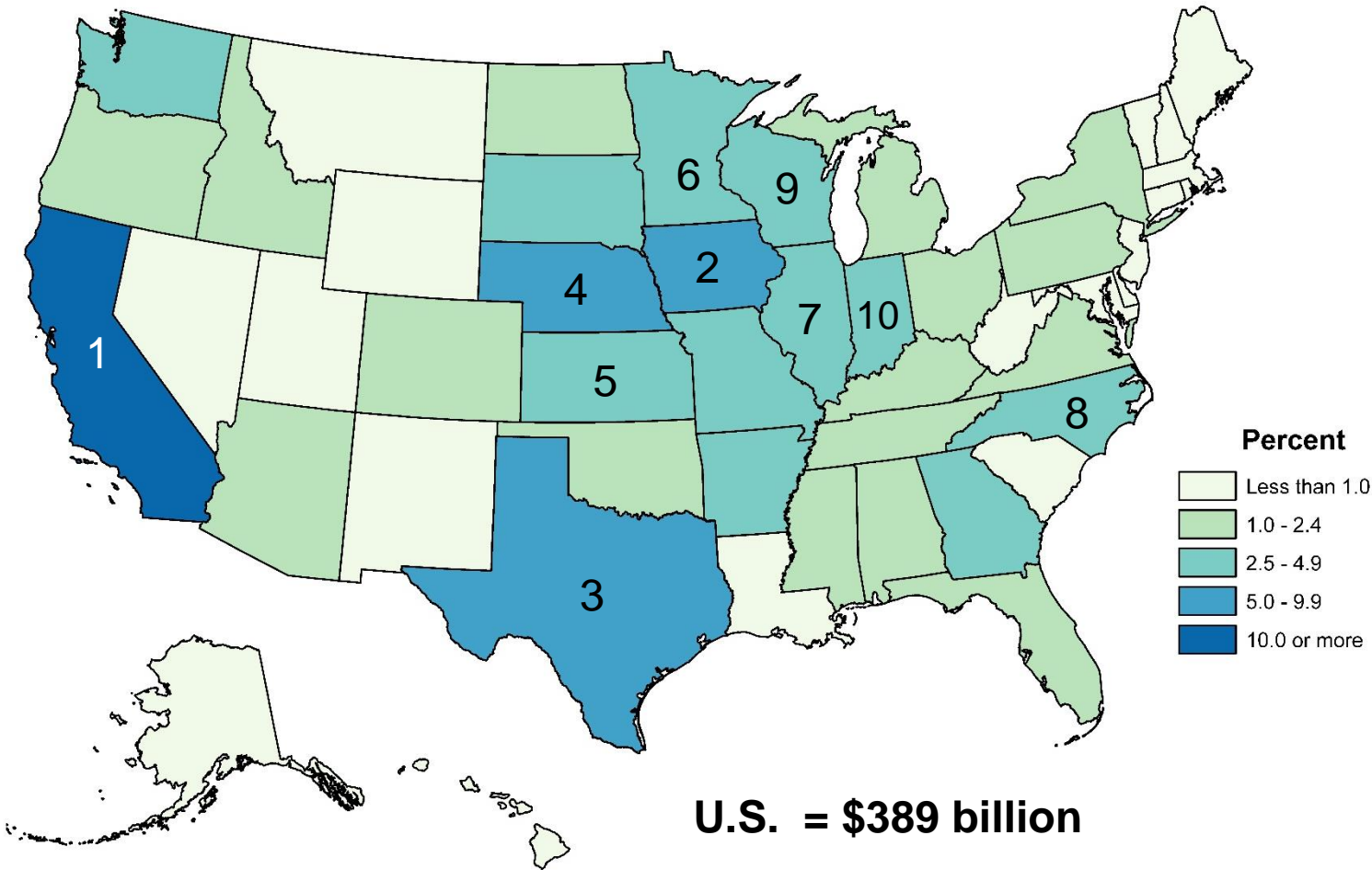


Value of Production (*\$ billions*)



Total Value of Agricultural Production by Location, 2017

TVP by State as Percent of U.S. Total

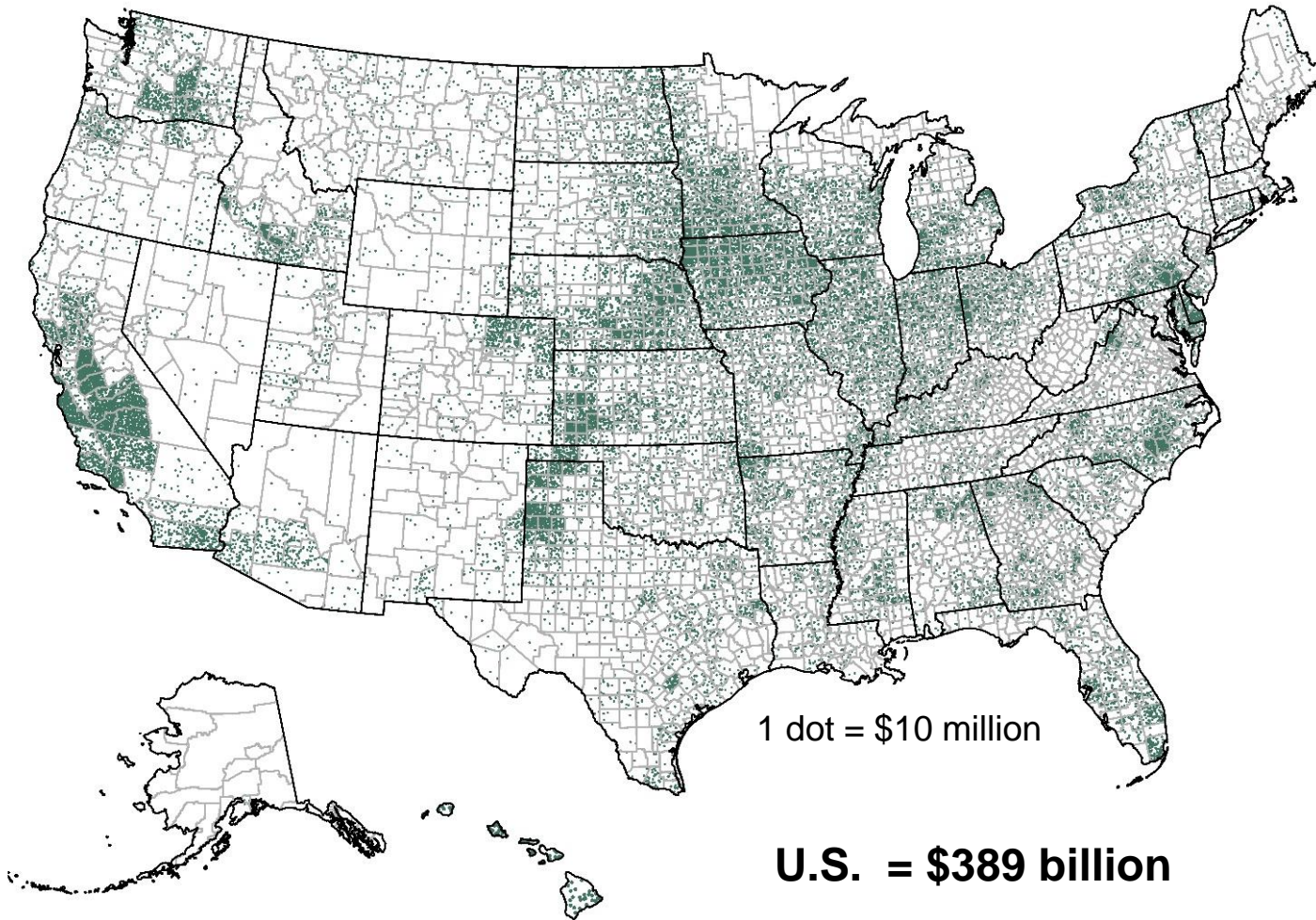


Top 10 States	TVP (\$ billions)
California	45.2
Iowa*	29.0
Texas	24.9
Nebraska	22.0
Kansas	18.8
Minnesota*	18.4
Illinois	17.0
North Carolina	12.9
Wisconsin	11.4
Indiana	11.1

* Statistically significant difference from 2012 16

Total Value of Agricultural Production by Location, 2017

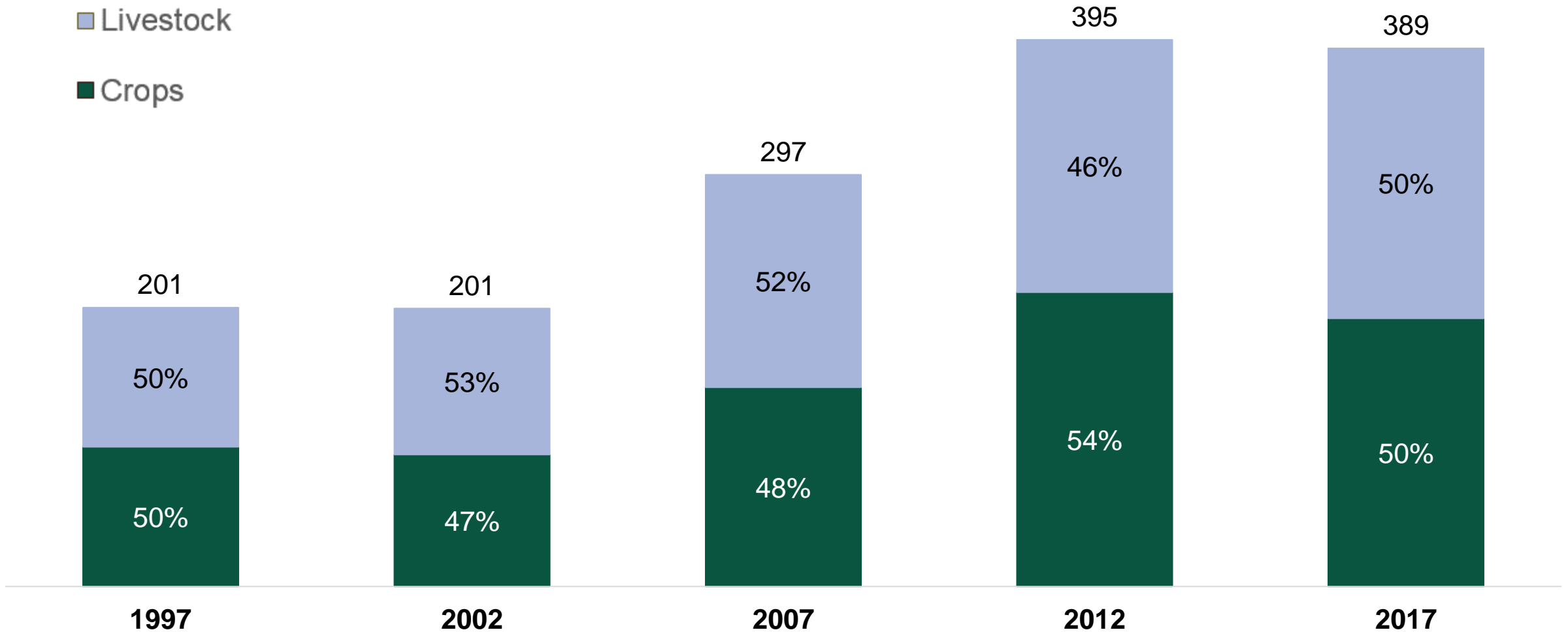
TVP by County



Top 10 Counties	TVP (\$ billions)
Fresno, CA	5.7
Tulare, CA	4.5
Monterey, CA*	4.1
Kern, CA	4.1
Merced, CA	2.9
Stanislaus, CA	2.5
San Joaquin, CA	2.2
Weld, CO	2.0
Yakima, WA	2.0
Grant, WA	1.9

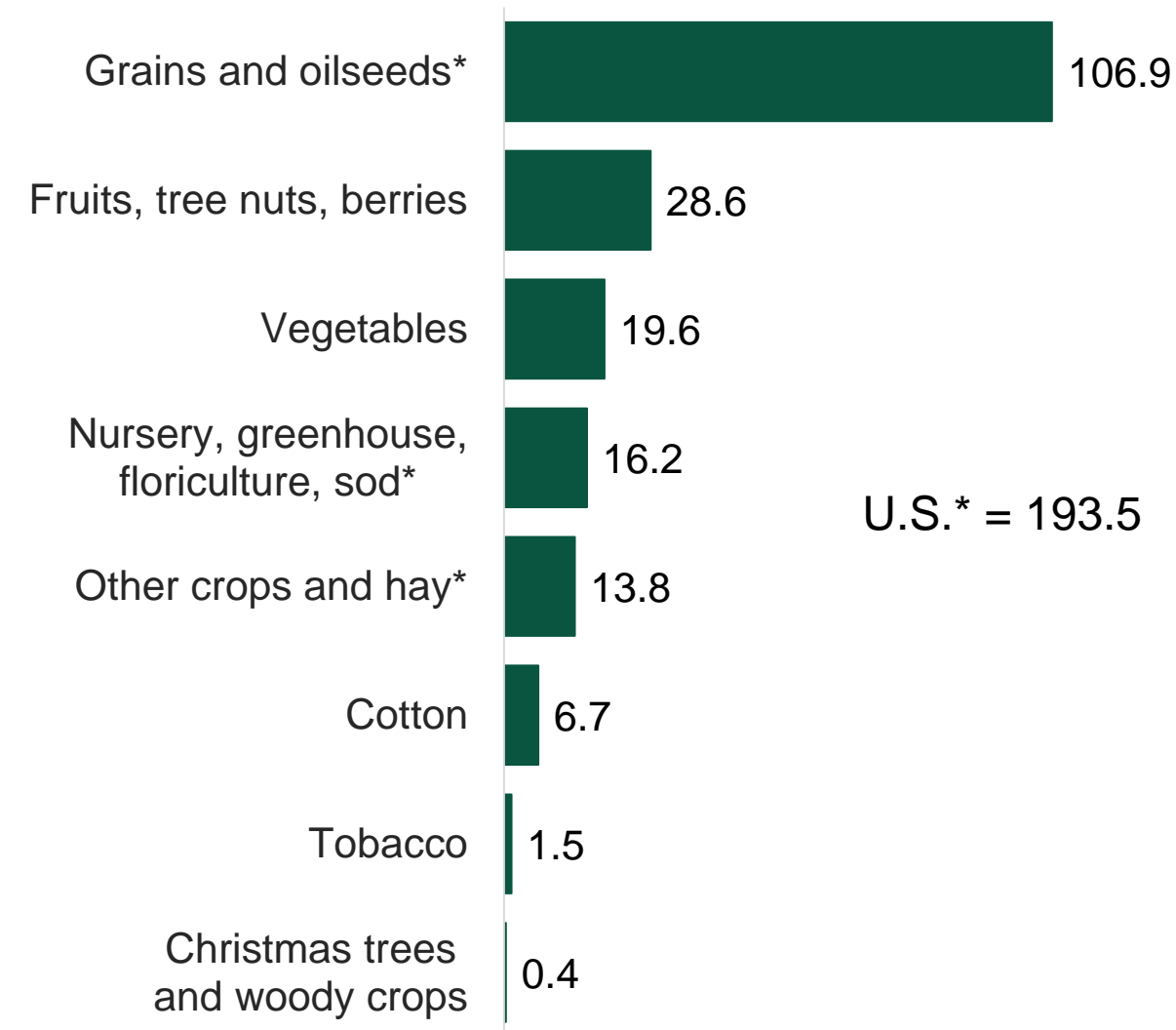
* Statistically significant difference from 2012 17

Value of Production, Crops and Livestock, 1997 - 2017 (\$ billions)



Value of Crop Production by Category, 2017

Value (\$ billions)



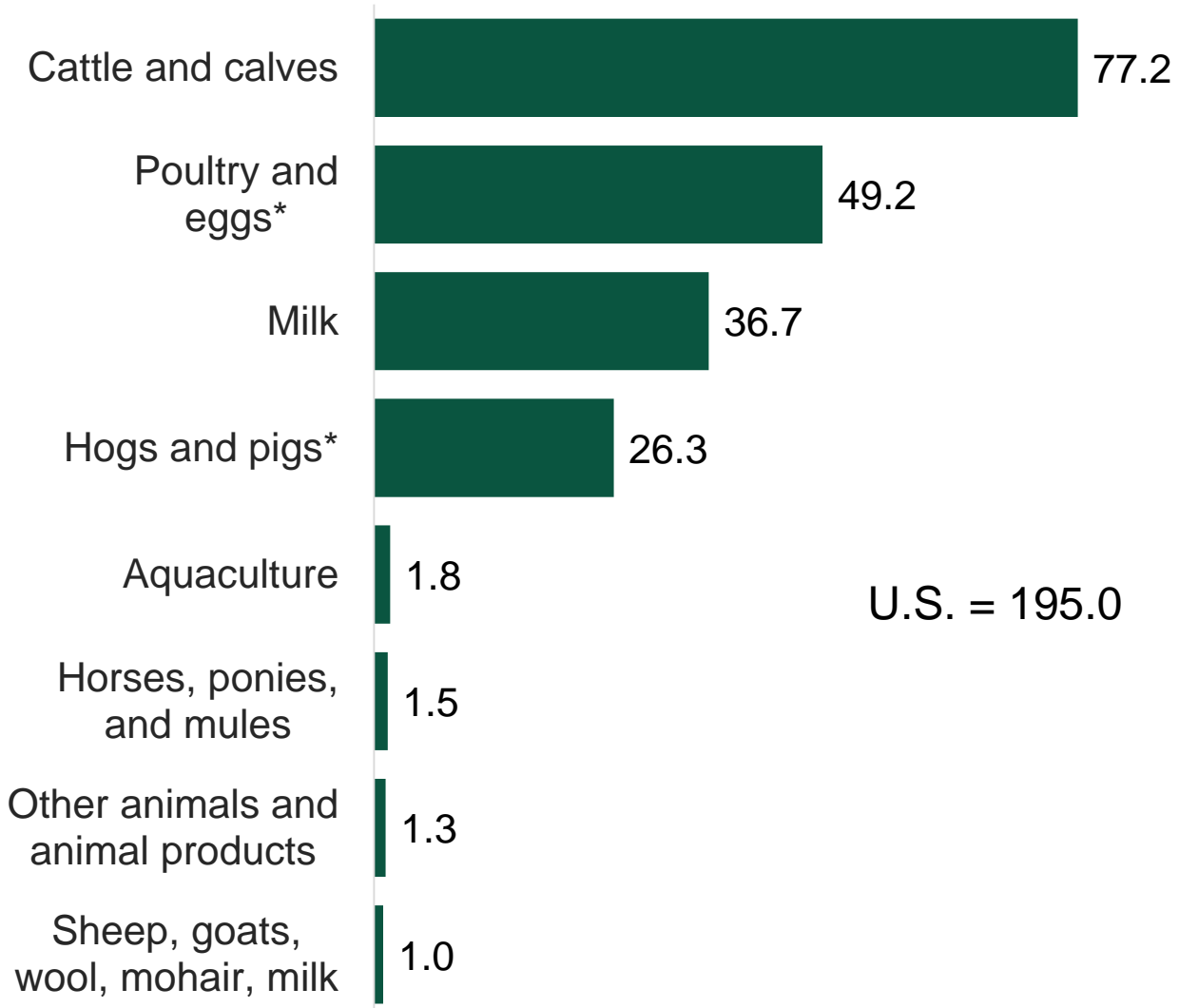
* Statistically significant difference from 2012

	Top State	% of U.S.
Grains and oilseeds	Iowa*	13
Fruits, tree nuts, berries	California	69
Vegetables	California	42
Nursery, greenhouse, floriculture, sod	California	18
Other crops and hay	California*	7
Cotton	Texas*	40
Tobacco	North Carolina	50
Christmas trees and woody crops	Oregon	31

Value of Livestock Production by Category, 2017

Value (\$ billions)

* Statistically significant difference from 2012



	Top State	% of U.S.
Cattle and calves	Texas	16
Poultry and eggs	Georgia	11
Milk	California	18
Hogs and pigs	Iowa*	30
Aquaculture	Mississippi*	13
Horses, ponies, mules	Kentucky*	31
Other animals and animal products	Texas	10
Sheep, goats, wool, mohair, milk	Colorado*	14

Value of Production, Top 10 Commodities, 2017 (\$ billions)

Change in Value, 2012 to 2017

* Statistically significant difference from 2012

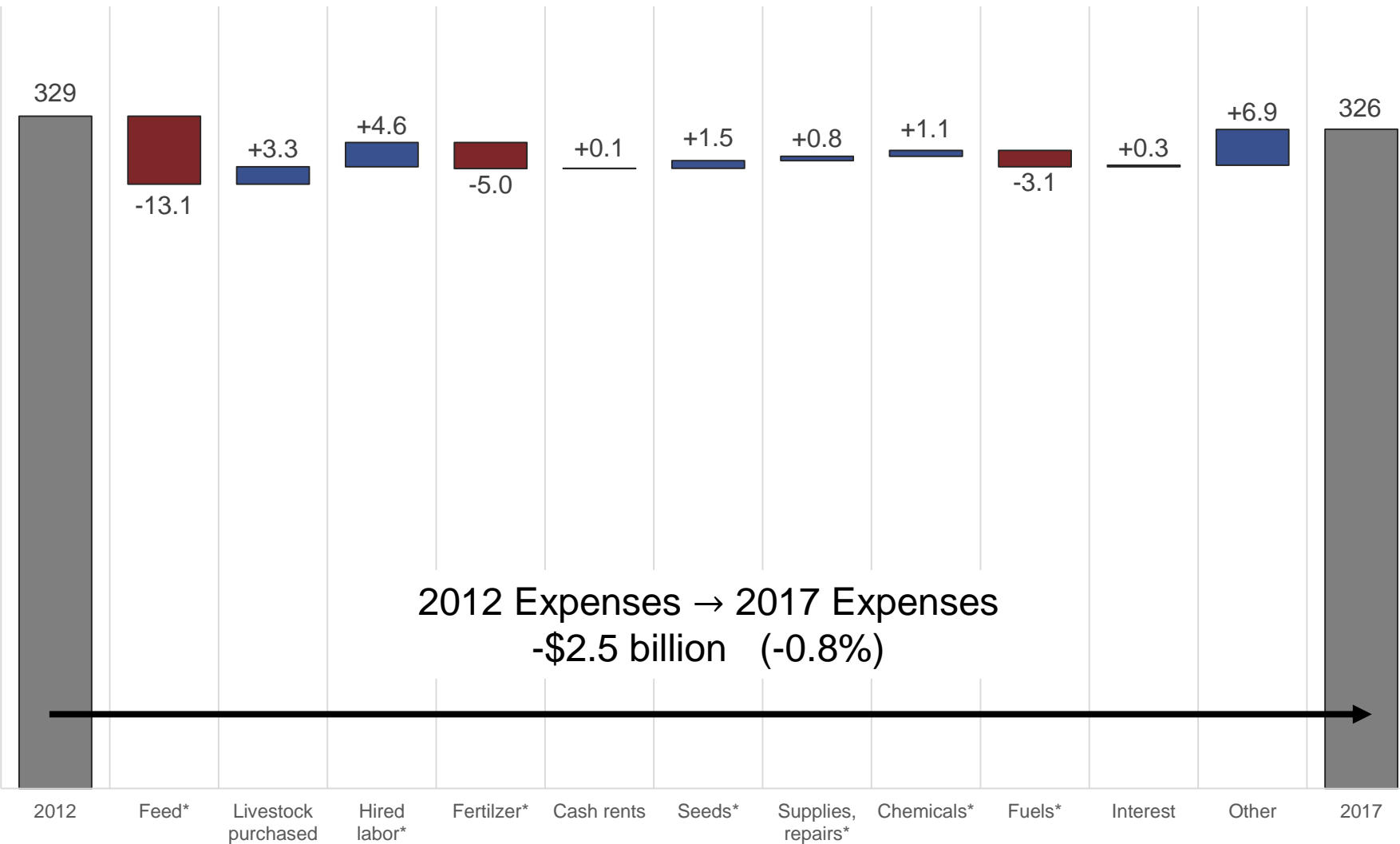


Commodity	TVP
Cattle and calves	77.2
Corn*	51.2
Poultry and eggs*	49.2
Soybeans	40.3
Milk	36.7
Fruits, tree nuts, berries	28.6
Hogs and pigs*	26.3
Vegetables	19.6
Nursery, greenhouse, floriculture, sod*	16.2
Wheat*	7.9
Other	35.4

Farm Production Expenses, 2017 (\$ billions)

Change in Value, 2012 to 2017

* Statistically significant difference from 2012



Farm Expenses

Feed*	62.6
Livestock purchased	44.9
Hired labor*	31.6
Fertilizer*	23.5
Cash rents	21.1
Seeds*	21.0
Supplies and repairs*	19.7
Chemicals*	17.6
Fuels*	13.5
Interest	12.4
Other	58.5

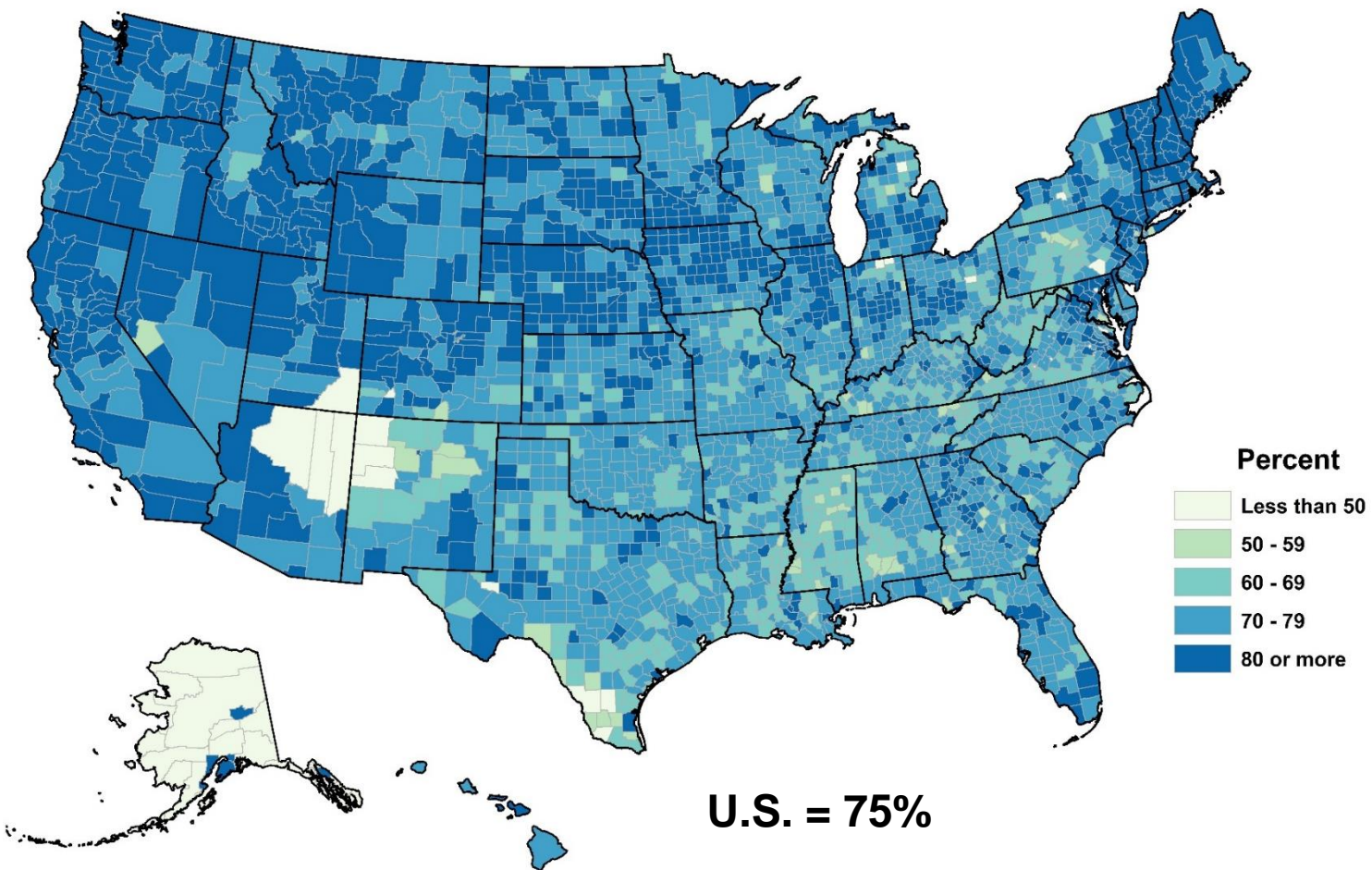
Farm Income and Expenses, 2012 and 2017 (\$ billions)

	2012	2017	% change
Value of ag products sold	394.6	388.5	-2
Government payments*	8.1	8.9	+11
Farm-related income	18.5	16.8	-9
Production expenses	328.9	326.4	-1
Net income	92.3	87.9	-5
Per farm average net income (dollars)	\$43,750	\$43,053	-2

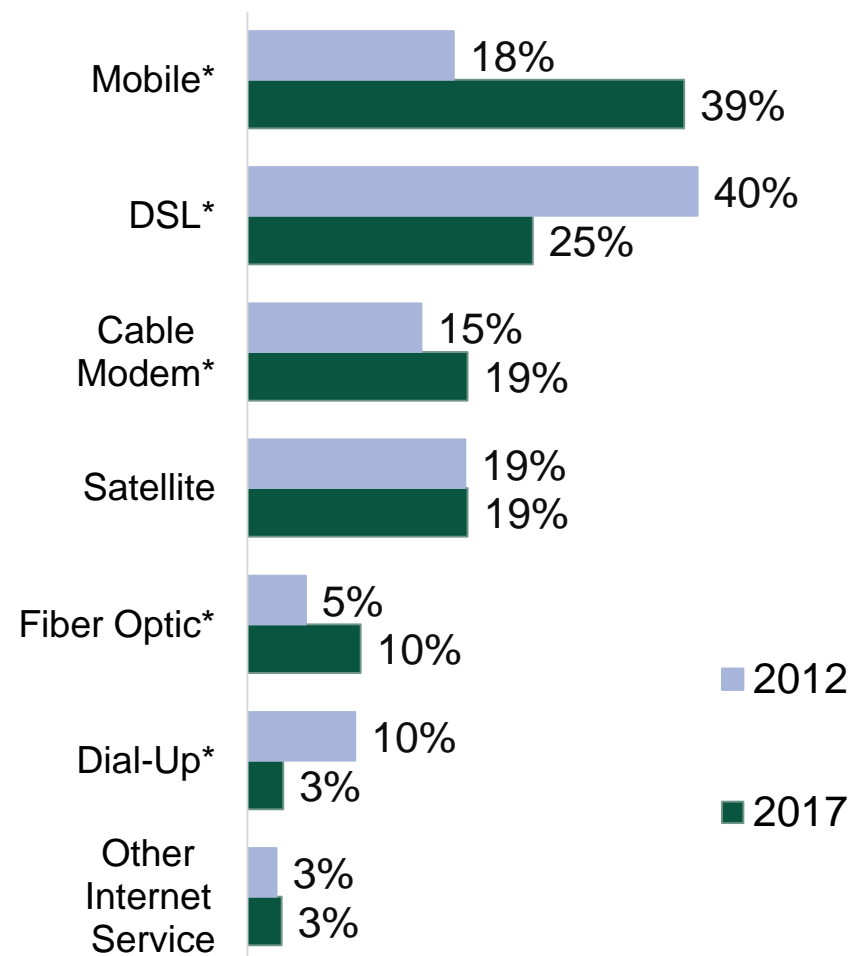
* Statistically significant difference from 2012 23

Farms with Internet Access

As a Percent of Total, by County, 2017



By Type, 2012 and 2017 (percent)



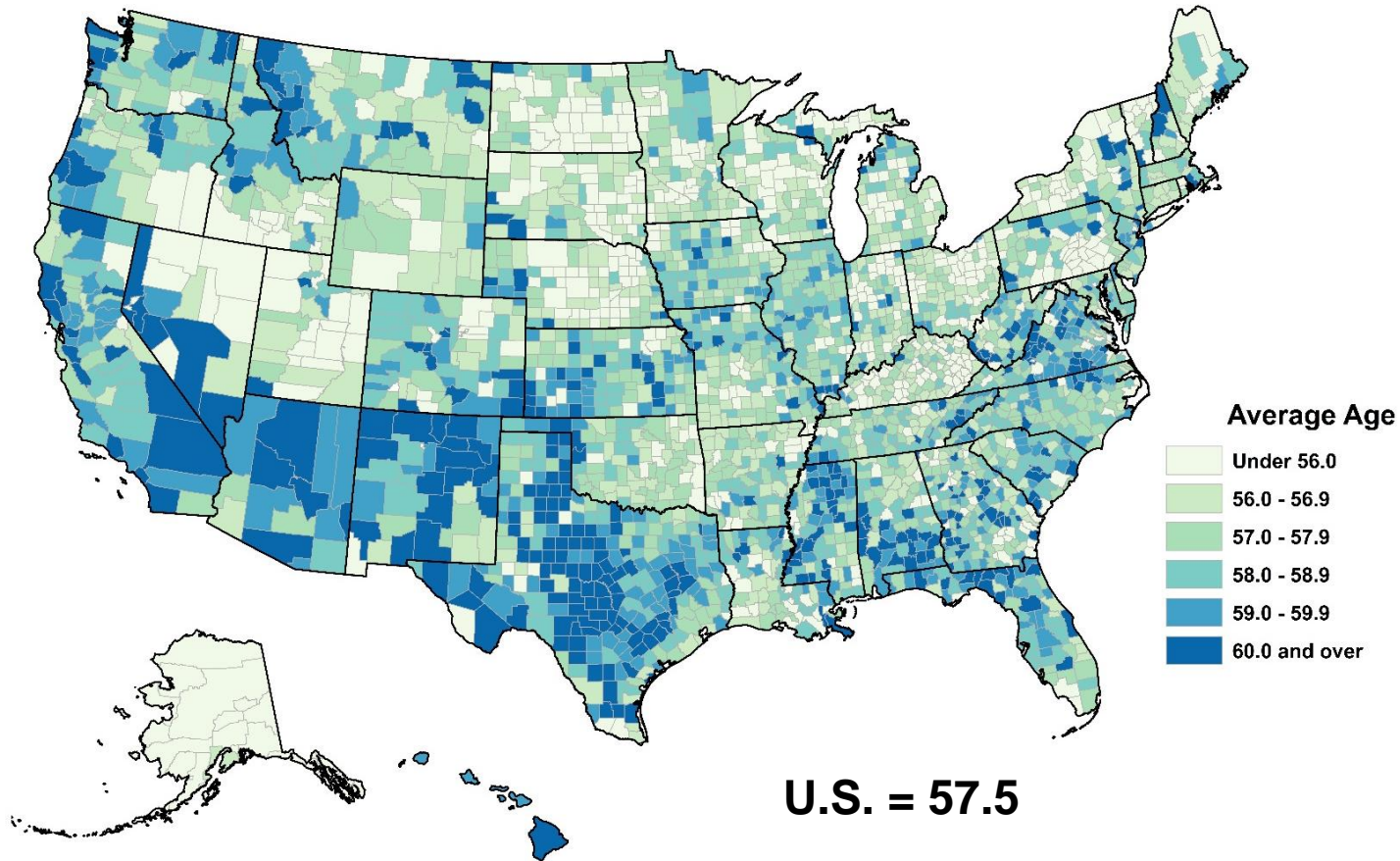
* Statistically significant difference from 2012 24

Demographics of Farm Producers

- Average Age of Producers
- Young Producers
- New and Beginning Producers
- Farm and Producer Characteristics by Sex/Race/Ethnicity
- Producers with Military Service

Average Age of Producers

All Producers, by County, 2017

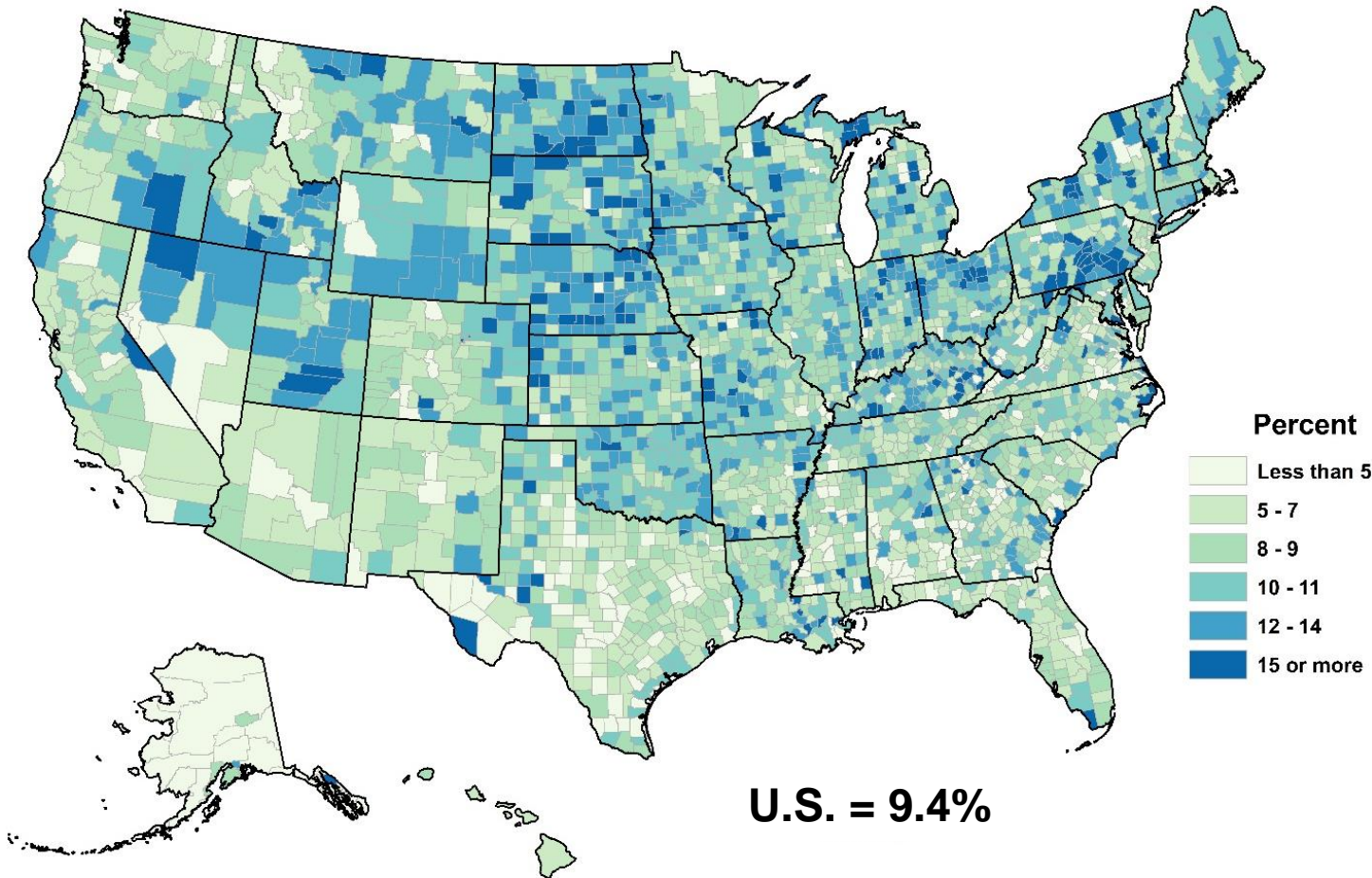


All and Primary Producers, 2002 - 2017

	All	Primary
2002	53.2	55.3
2007	54.9	57.1
2012	56.3	58.3
2017	57.5	59.4

Young Producers (Age 35 years or less), 2017

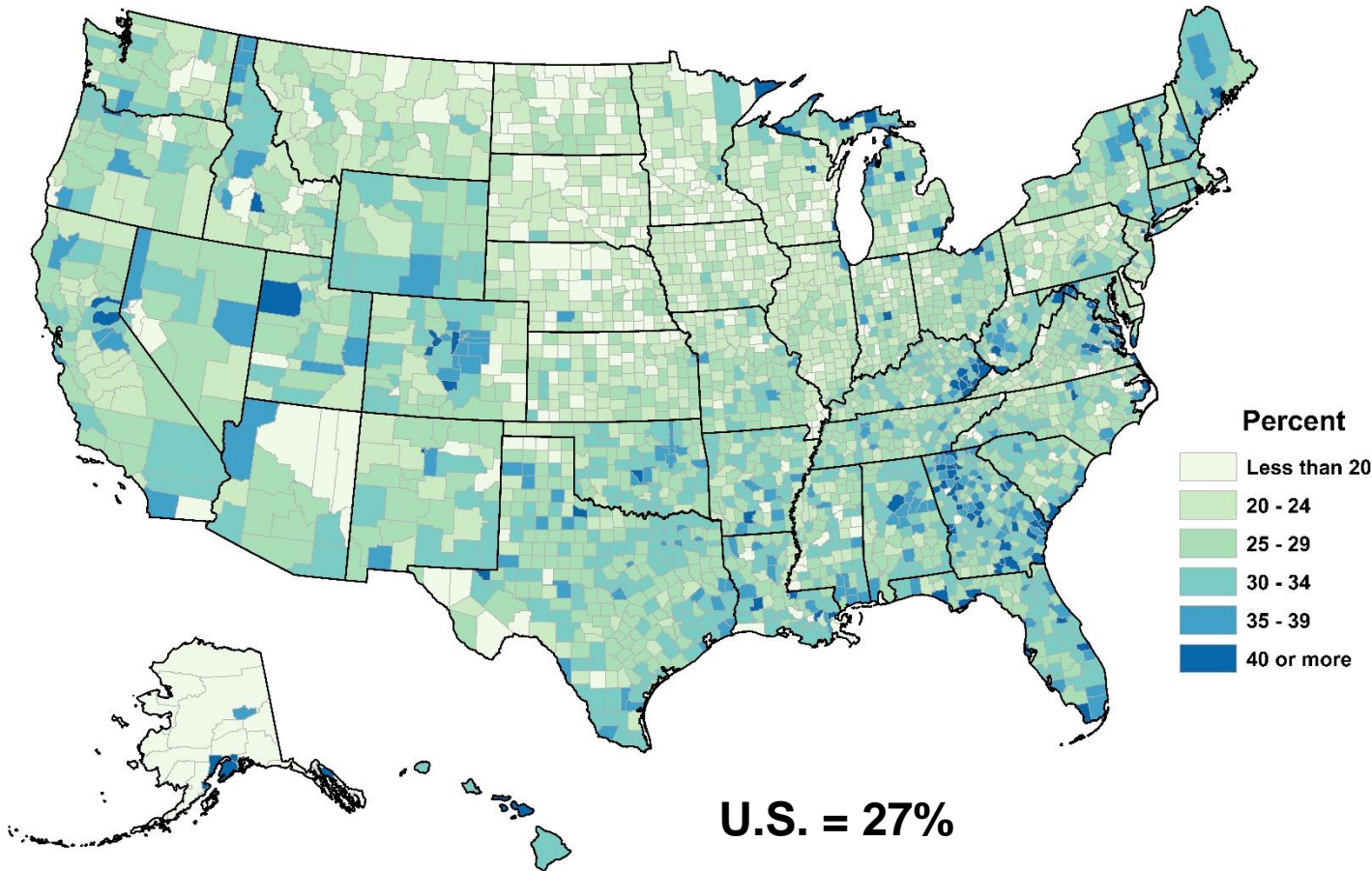
As a Percent of All, by County



Producers		
	Young	All
Number	321,261	3,399,834
Average age	29.4	57.5
Farms		
Number	240,121	2,042,220
Average farm size (acres)	477	441
Average TVP	\$273,522	\$190,245

New and Beginning Producers (10 years or less on any farm), 2017

As a Percent of All, by County



Producers

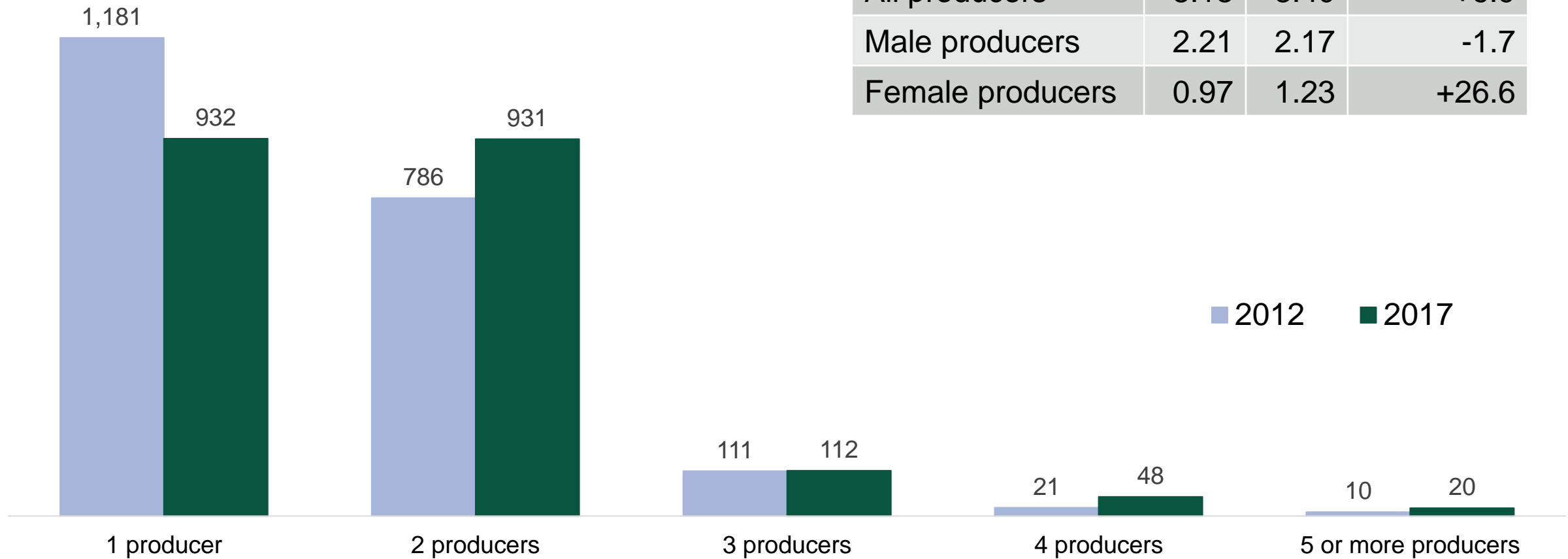
	New and Beginning	All
Number	908,274	3,399,834
Average age	46.3	57.5

Farms

Number	597,377	2,042,220
Average farm size (acres)	324	441
Average TVP	\$147,408	\$190,245

Farm Structure, 2012 and 2017

Farms by Number of Producers (*thousands*)



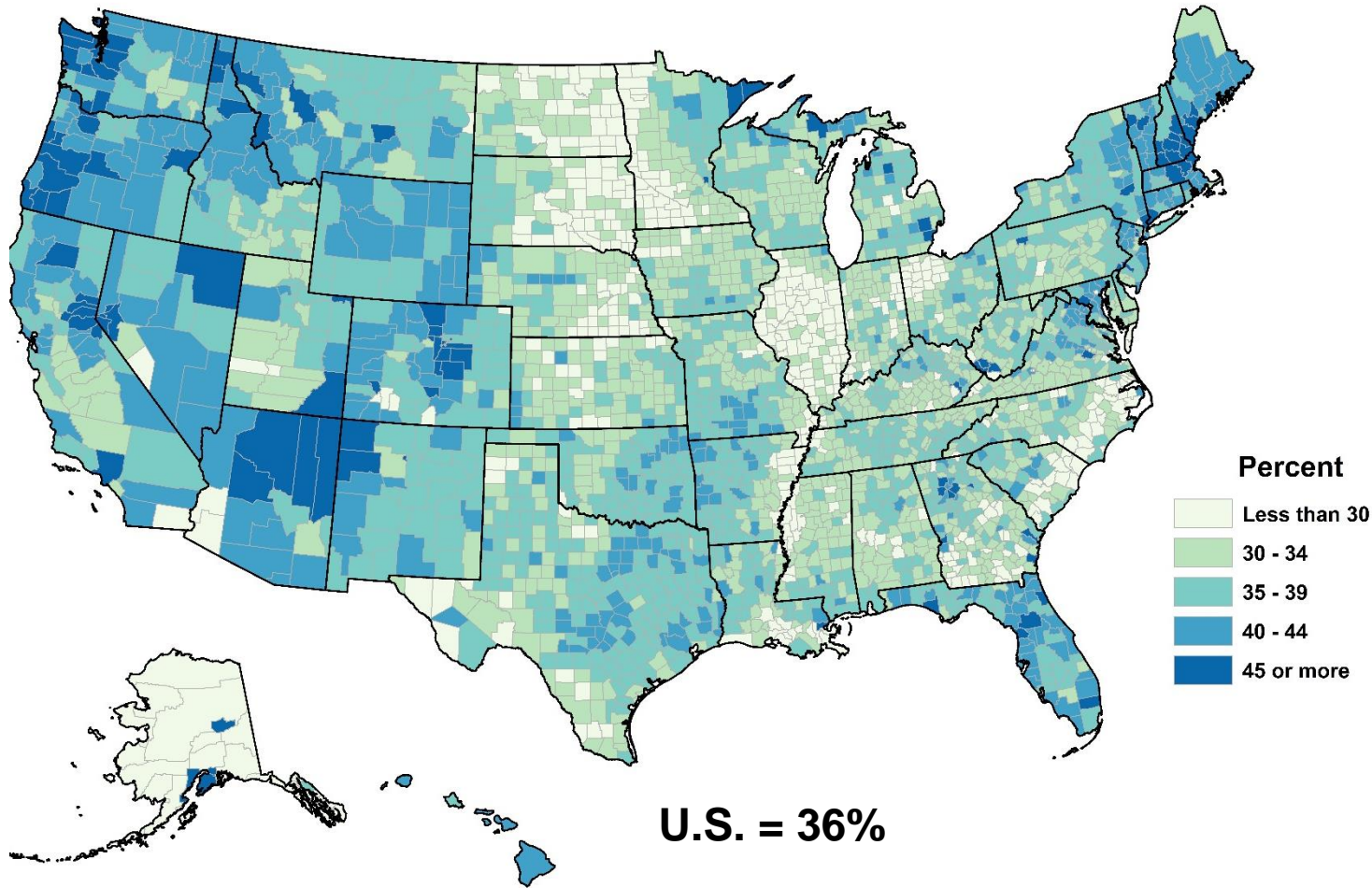
Producers by Sex (*millions*)

	2012	2017	% change
All producers	3.18	3.40	+6.9
Male producers	2.21	2.17	-1.7
Female producers	0.97	1.23	+26.6

■ 2012 ■ 2017

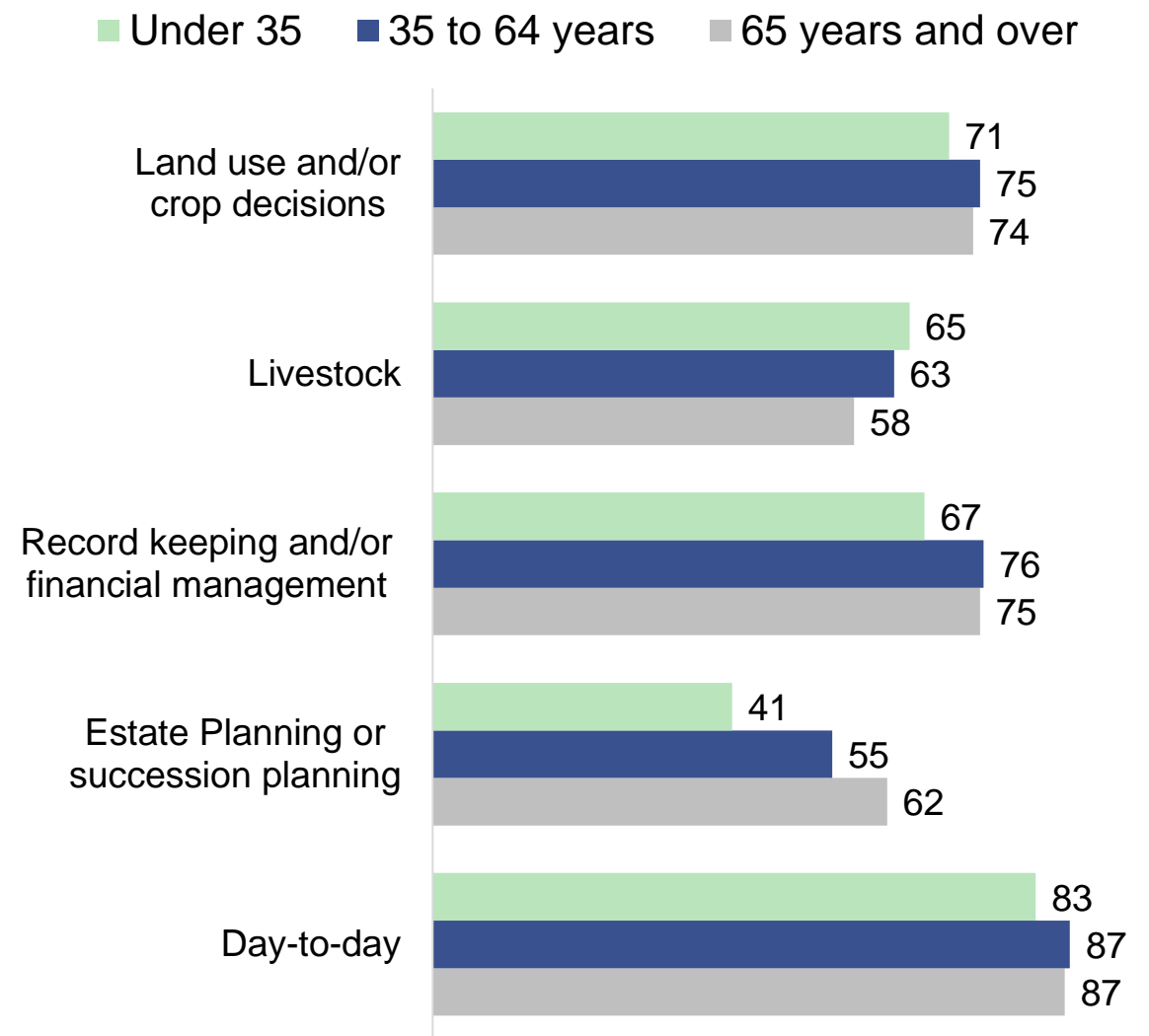
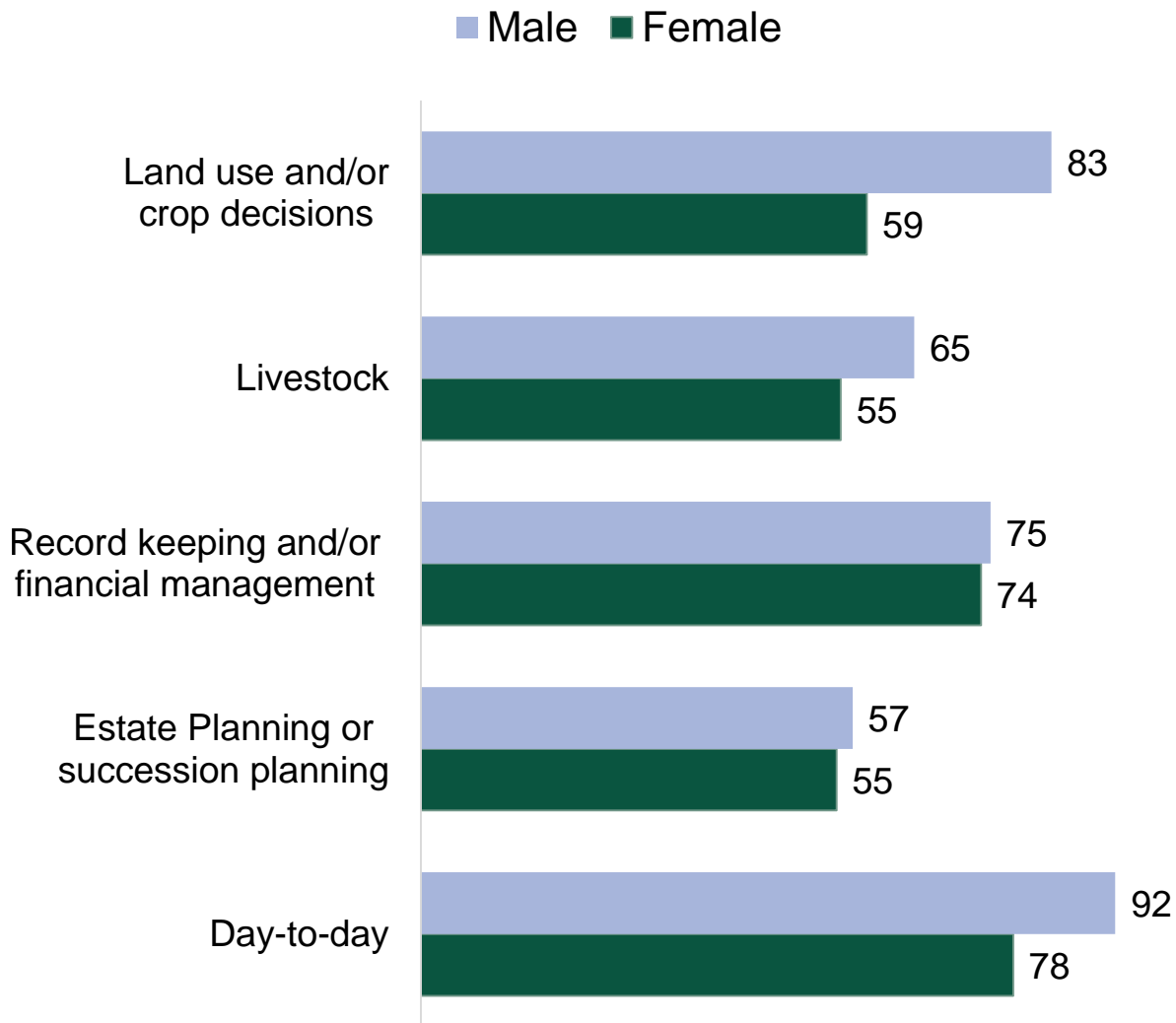
Producers by Sex, 2017

Female Producers as a Percent of Total



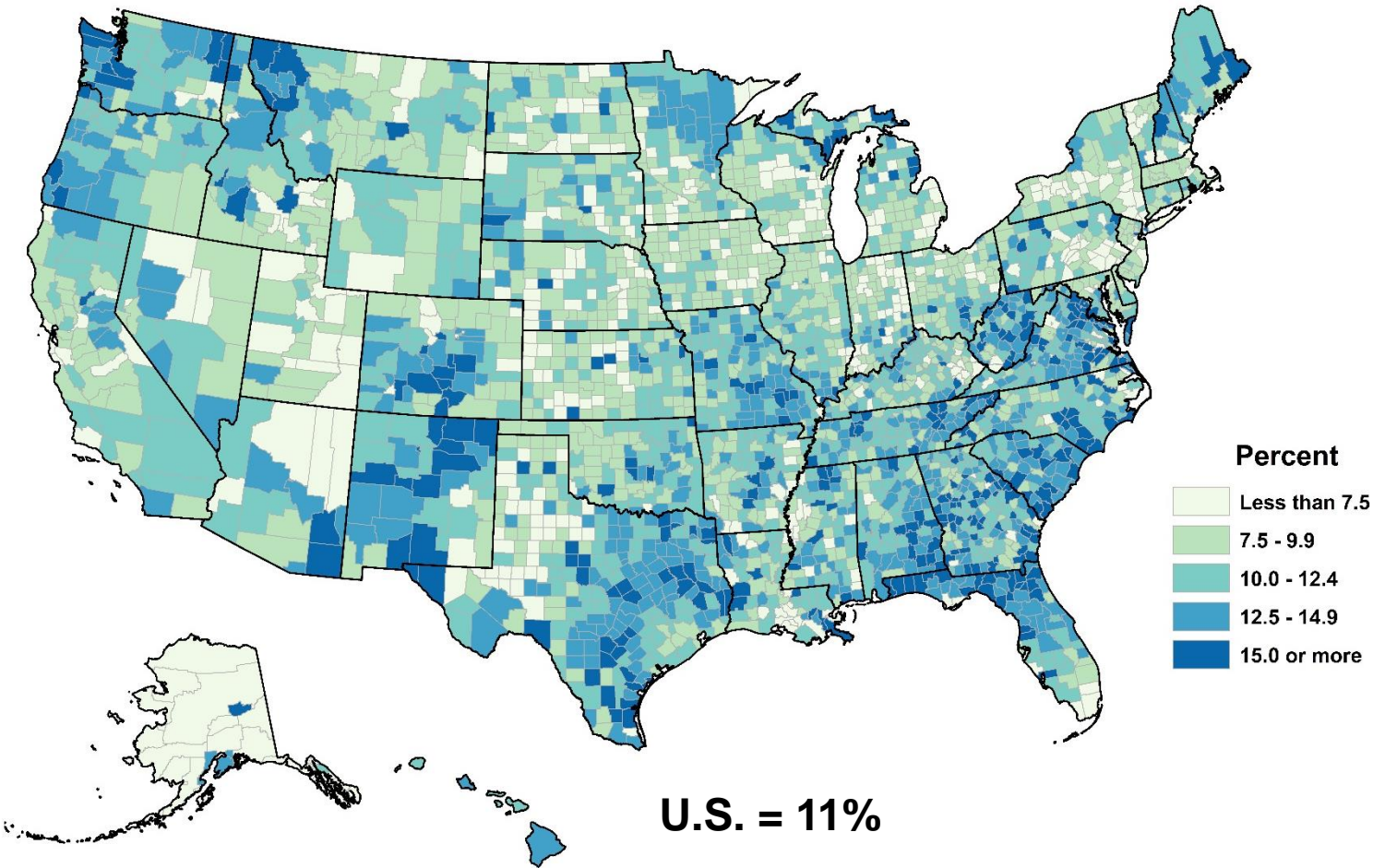
Producers		
	Female	Male
Number	1,227,461	2,172,373
Average age	57.1	57.7
Farms		
Number	1,139,675	1,867,308
Average farm size (acres)	340	463
Average TVP	\$129,792	\$204,513

Producer Decision Making, by Sex and Age, 2017 (percent)



Producers with Military Service, 2017

As a Percent of All, by County



Producers		
	With Military Service	All
Number	370,619	3,399,834
Average age	67.9	57.5
Farms		
Number	355,393	2,042,220
Average farm size (acres)	363	441
Average TVP	\$114,876	\$190,245

Key Summary Points

- Farm numbers and land in farms both have ongoing small percentage declines.
- There continue to be more of the largest and smallest operations and fewer middle-sized farms.
- Fewer farms account for the majority of ag products sold.
- New questions show that multiple people frequently have decision-making roles on farms.
- The average age of farmers and ranchers continues to rise
- There is an increase in internet access, especially via mobile and fiber optic.

Upcoming Census Releases

Release Date	Release Title
April 11	Market Value of Ag Products Sold Rankings
May 30	State & County Profiles
June 26	Congressional District Profiles
June 26	Congressional District Rankings
July 25	Watersheds
August 26	American Indian Reservations
September 18	Zip Code Tabulations
October 1	Race, Ethnicity & Gender Profiles
November 13	2018 Irrigation and Water Management Survey
December 5	Specialty Crops
December 19	2018 Census of Aquaculture



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