



# 2017 Census of Agriculture

# Washington Jefferson County

6/12/19

Christopher A. Mertz, Northwest Regional Director

# Agenda

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

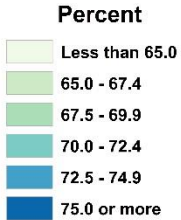
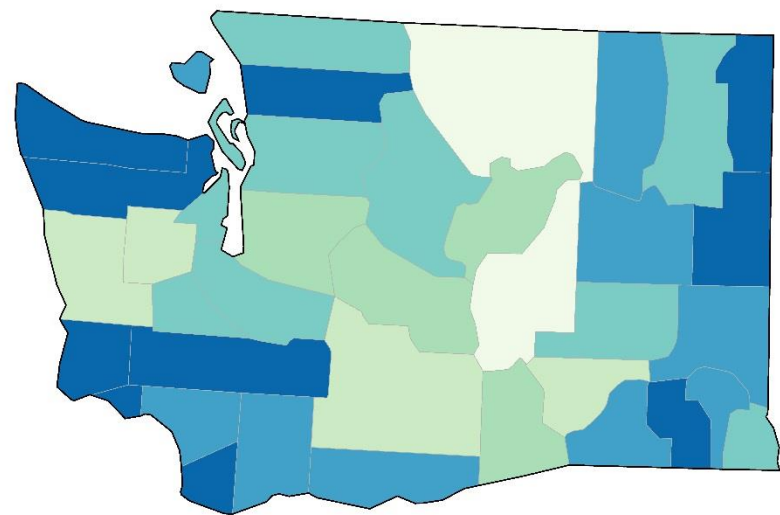
# History of the Census of Agriculture

- 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 29<sup>th</sup> in the series, and the 5<sup>th</sup> 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



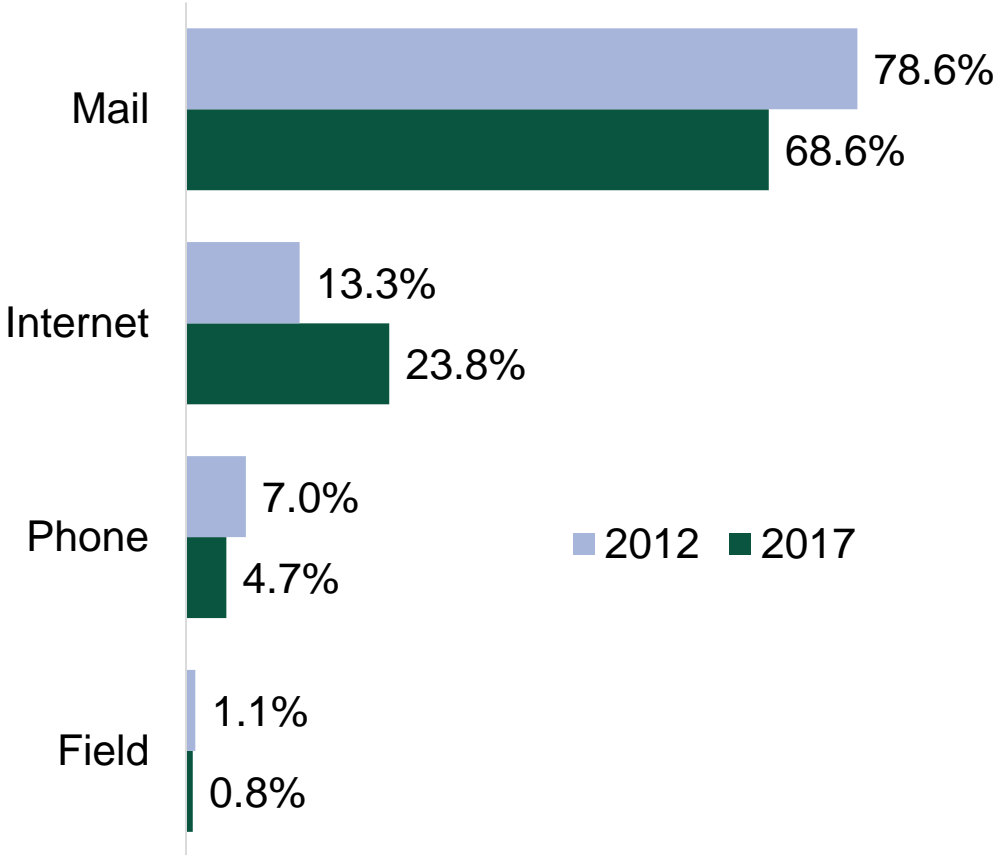
# Census Data Collection

## Response Rate by County, 2017



**U.S. = 71.8%**  
**Washington = 71.4%**  
**Jefferson County = 78%**

## U.S. Return Rate by Mode, 2012 and 2017 (percent of returns)



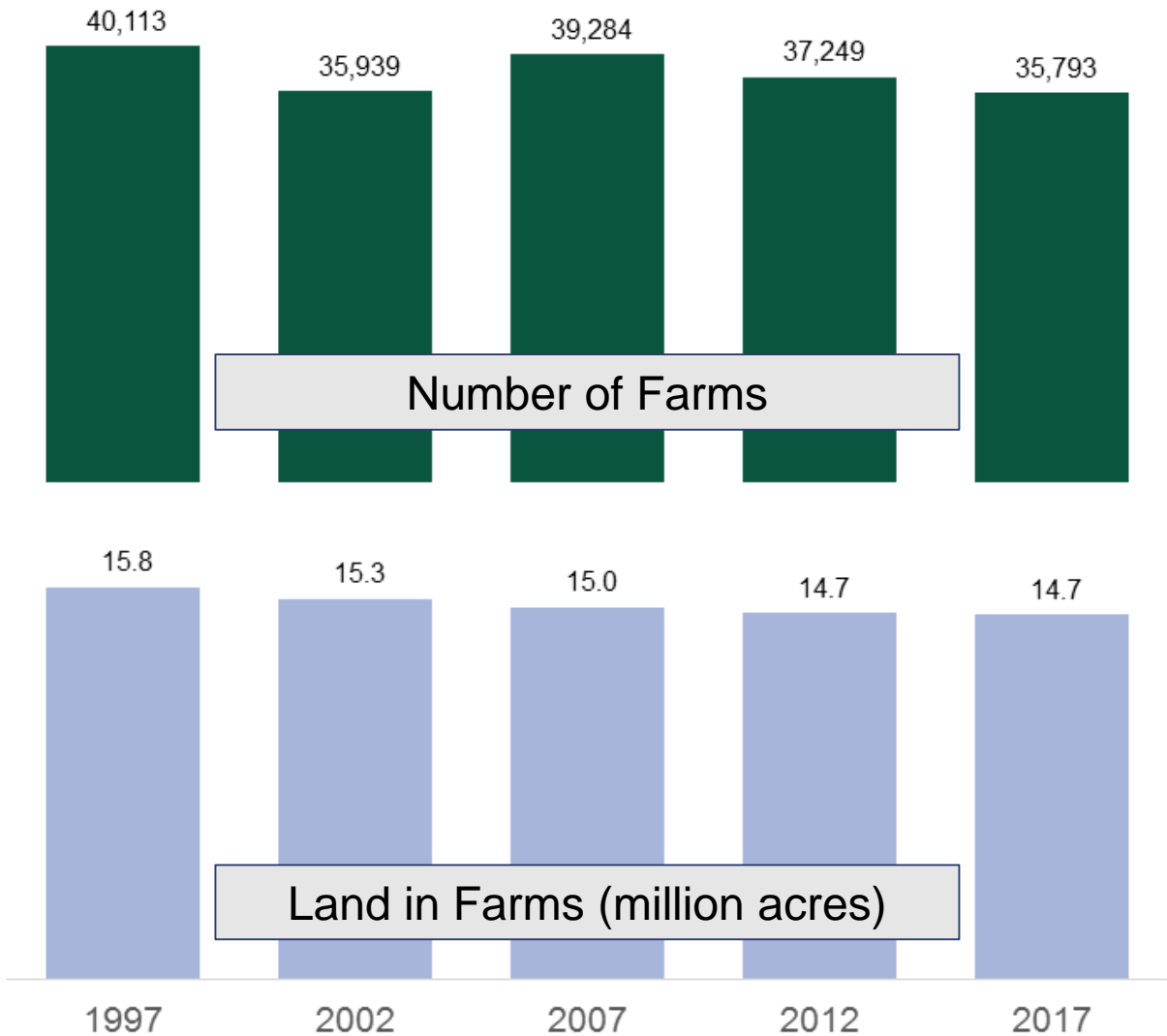
# Farms and Land in Farms

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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.”*

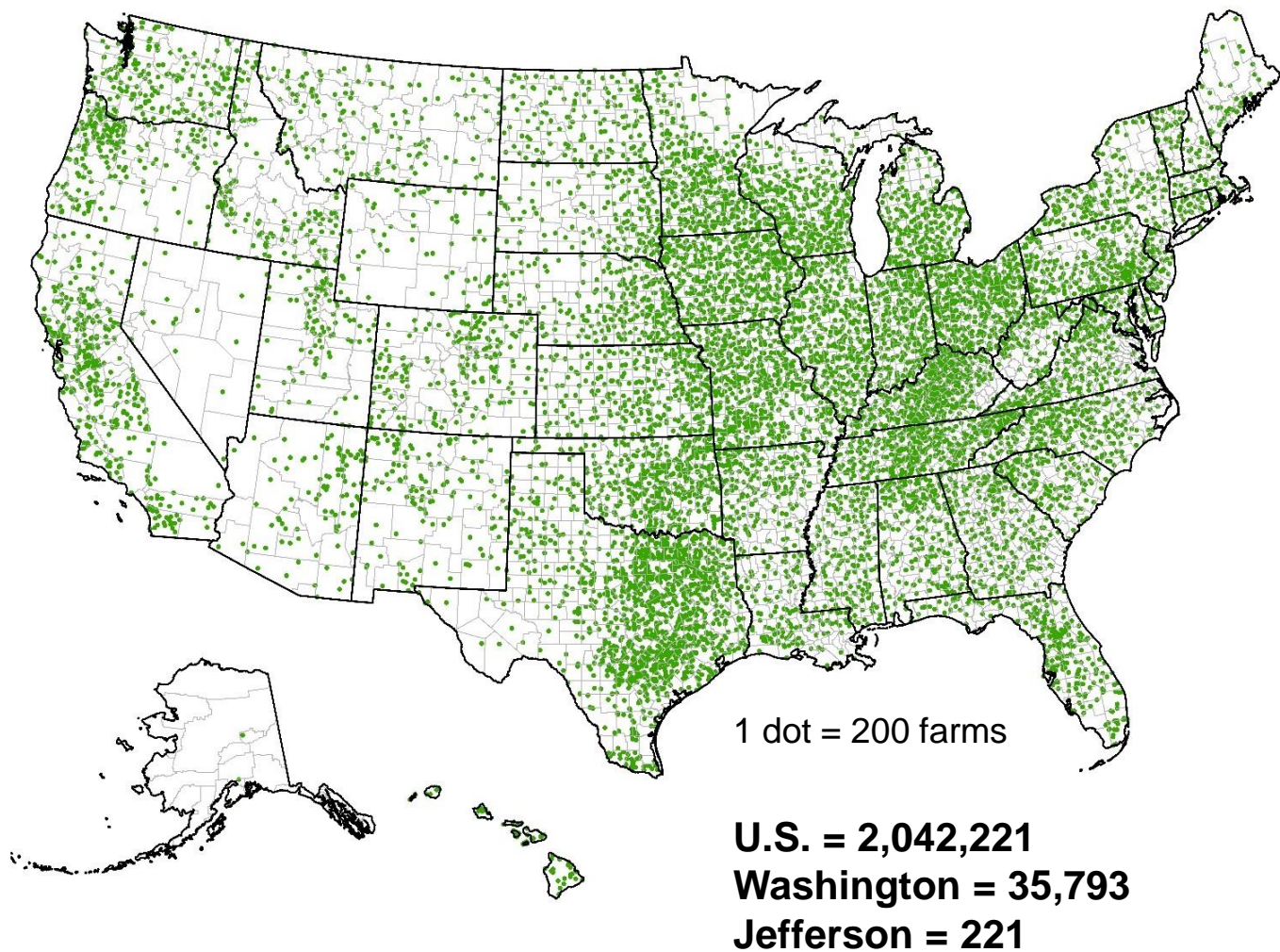
# Number of Farms and Land in Farms, 1997-2017



| 2012                      | 2017       | % change |
|---------------------------|------------|----------|
| Number of Farms           |            |          |
| 37,249                    | 35,793     | -3.9     |
| 221                       | 221        | --       |
| Land in farms (acres)     |            |          |
| 14,748,107                | 14,679,857 | -0.5     |
| 15,556                    | 13,753     | -11.6    |
| Average farm size (acres) |            |          |
| 396                       | 410        | +3.5     |
| 70                        | 62         | -11.4    |

# Number of Farms, 2017

## By County

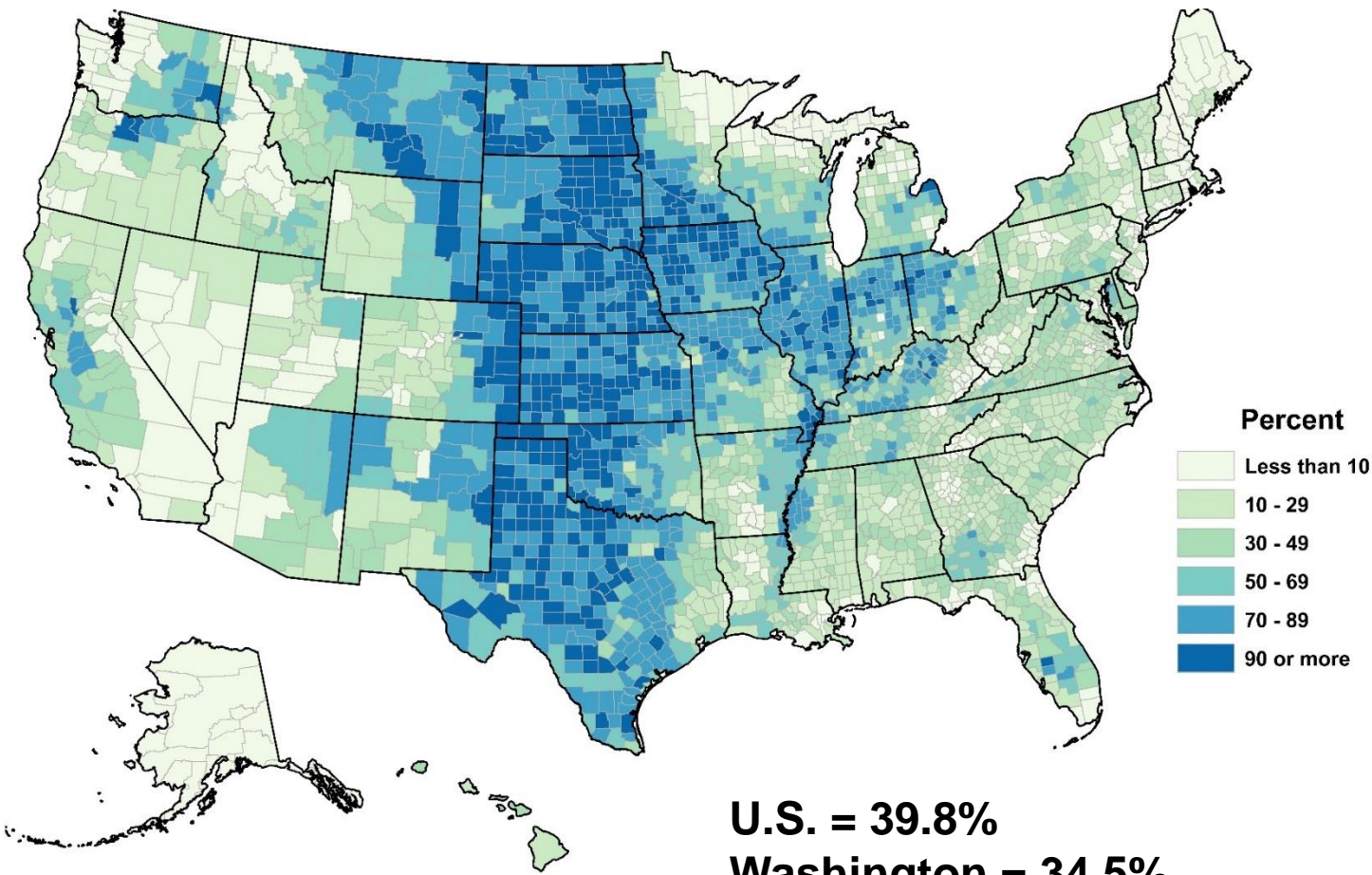


| Top 10 Counties + Jefferson | 2017  |
|-----------------------------|-------|
| Yakima                      | 2,952 |
| Spokane                     | 2,425 |
| Clark                       | 1,978 |
| King                        | 1,796 |
| Lewis                       | 1,723 |
| Whatcom                     | 1,712 |
| Pierce                      | 1,607 |
| Snohomish                   | 1,558 |
| Benton                      | 1,520 |
| Grant                       | 1,384 |
| Jefferson                   | 221   |



# Land in Farms, 2017

As a Percent of Total, by County

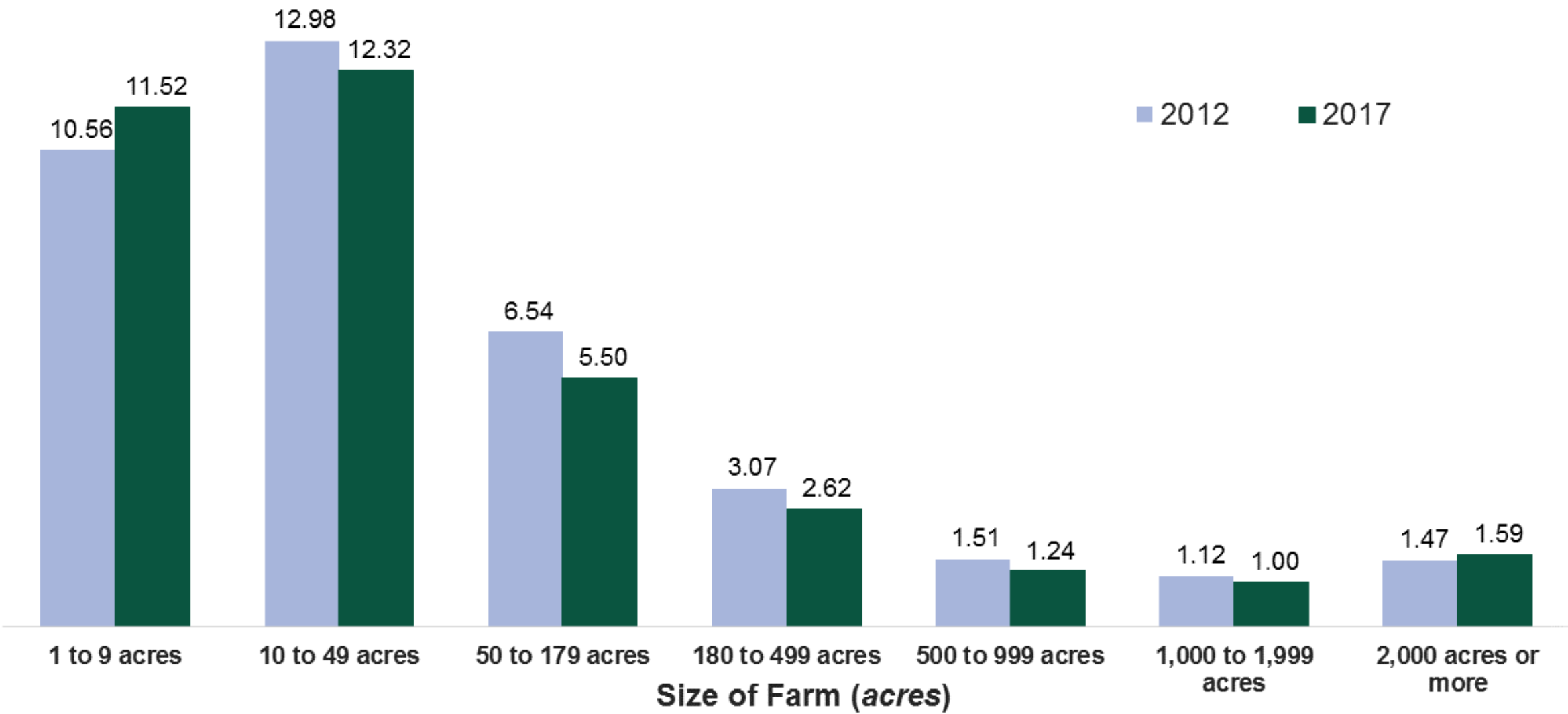


**U.S. = 39.8%**  
**Washington = 34.5%**  
**Jefferson = 1.2%**

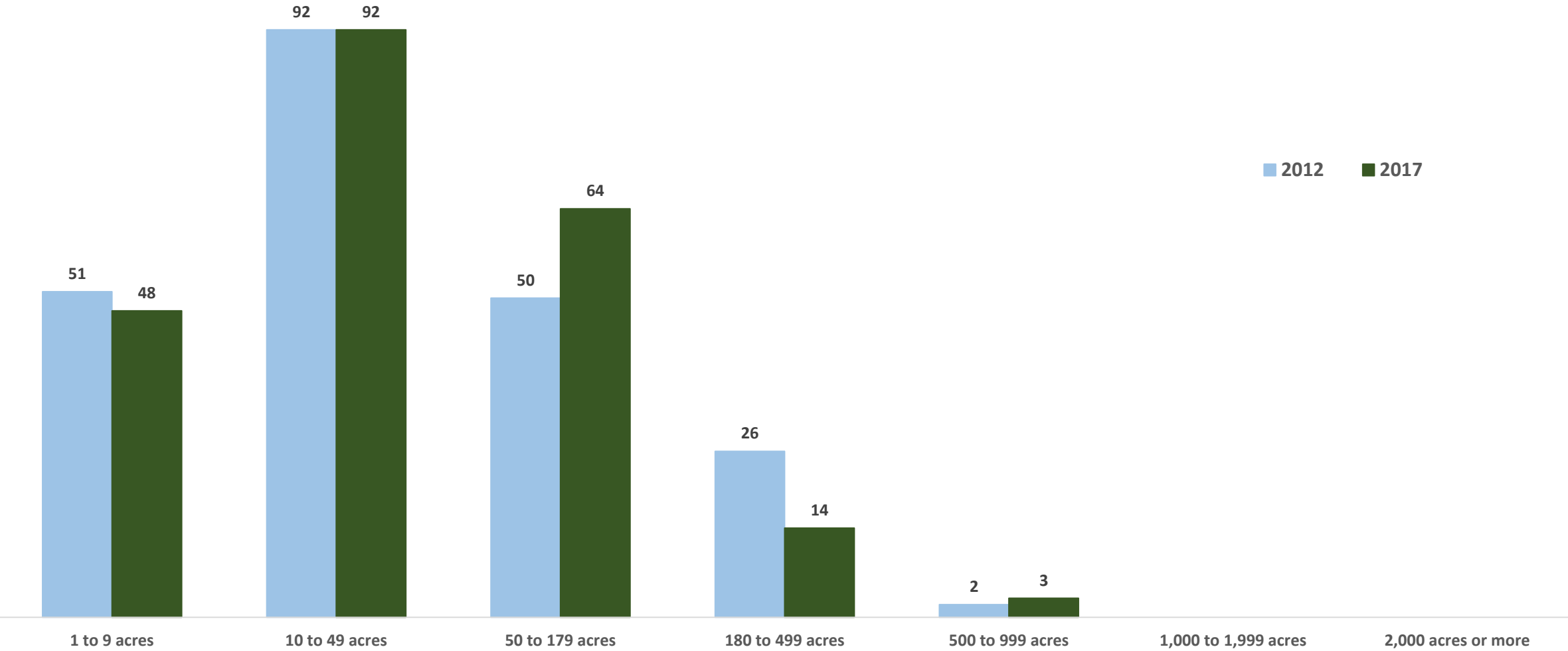
| Type of Use - Island      | Acres  |
|---------------------------|--------|
| Total                     | 13,753 |
| Permanent Pasture         | 2,742  |
| Cropland                  | 3,715  |
| <i>Harvested Cropland</i> | 2,962  |
| Woodland                  | 4,424  |
| Other                     | 2,872  |



# Number of Farms, by Size Category, 2012 and 2017 (thousands) – WA

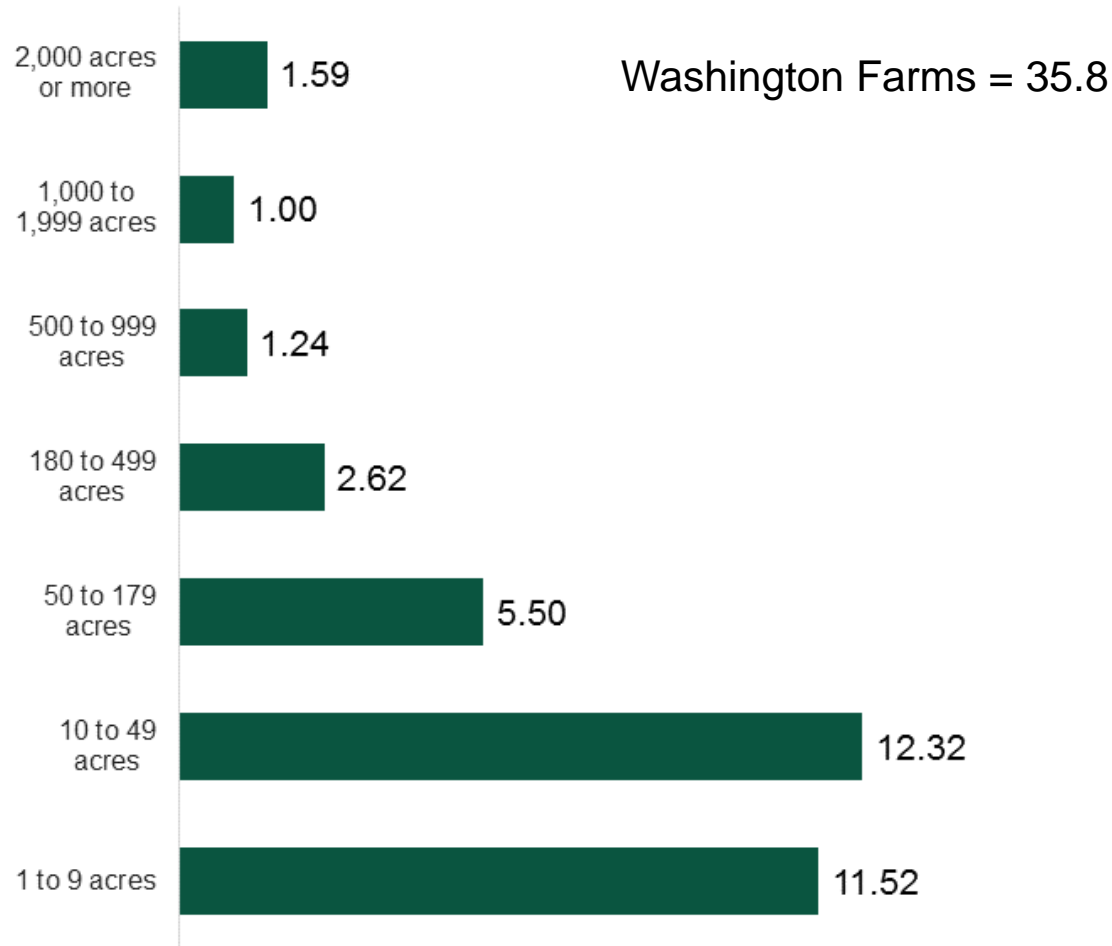


# Number of Farms, by Size Category, 2012 and 2017, Jefferson County

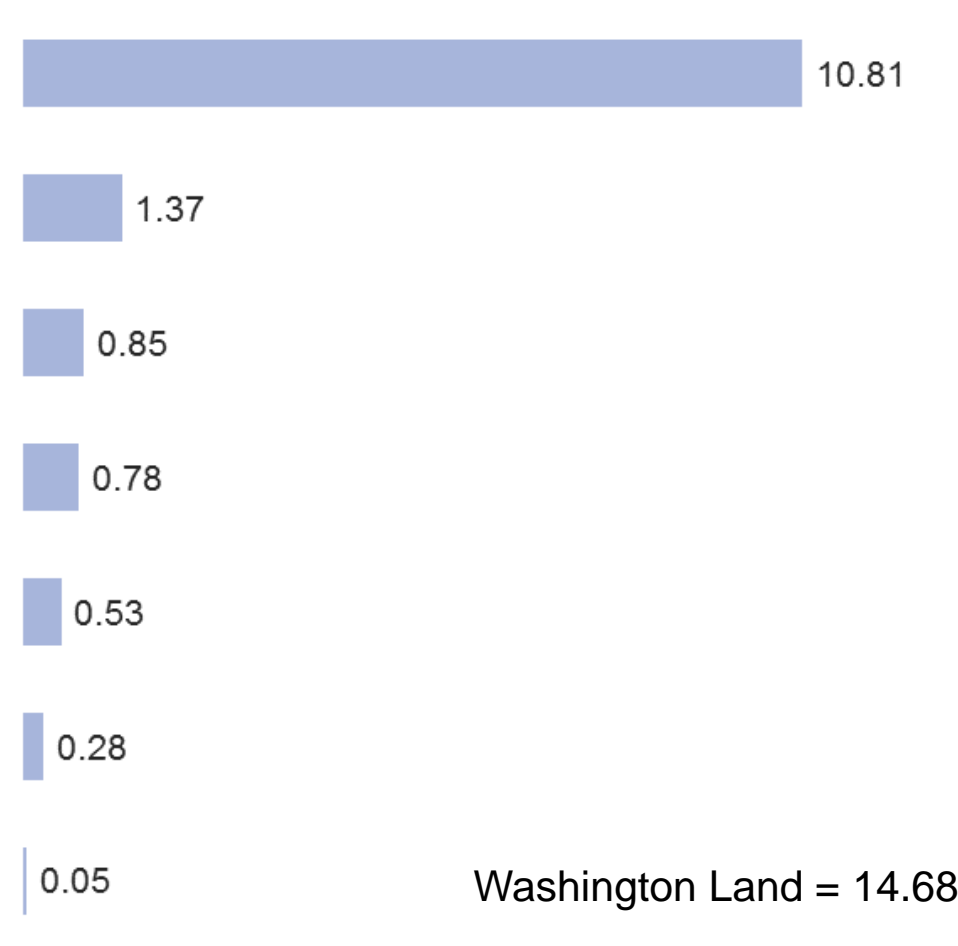


# Number of Farms and Land in Farms, by Size Category, 2017 - WA

Number of Farms (thousands)



Land in Farms (million acres)



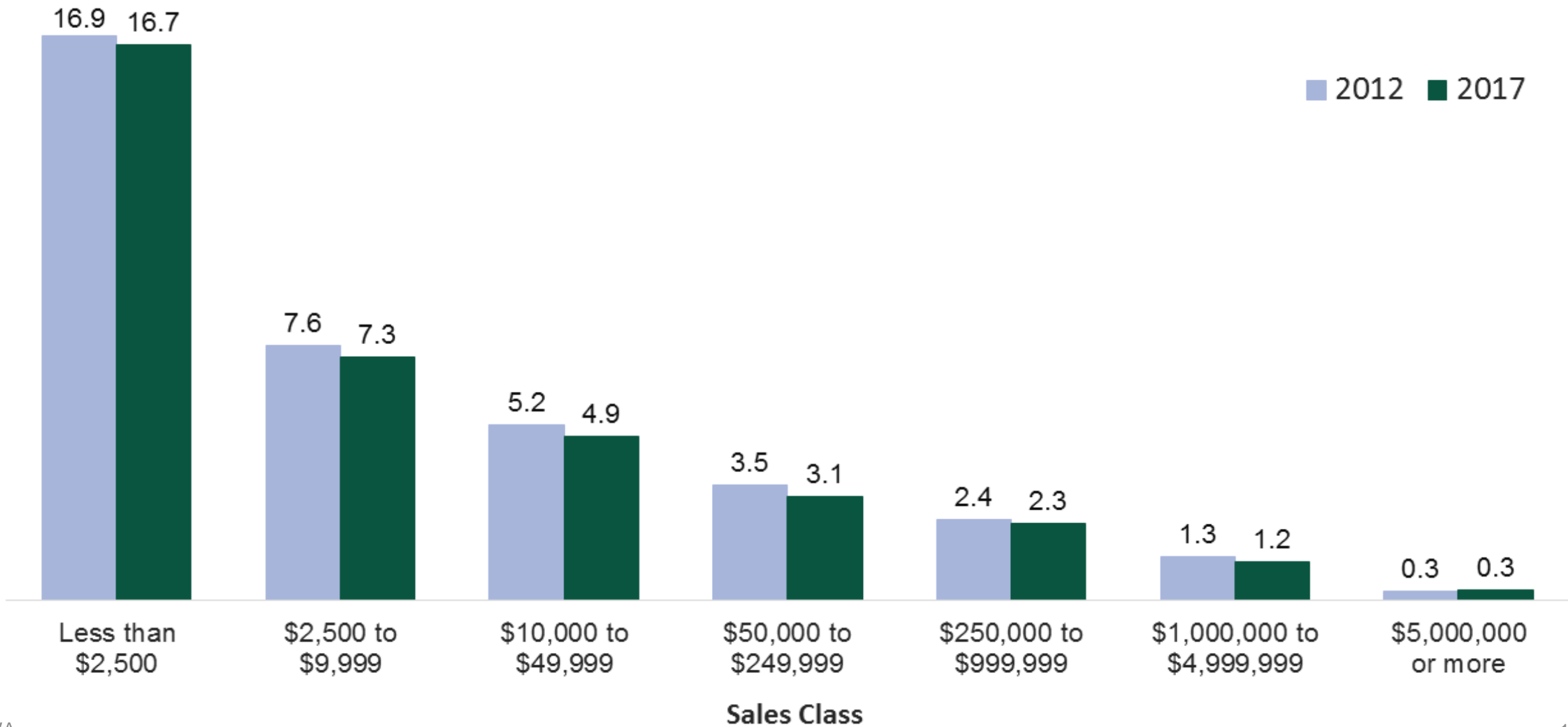
# Economics

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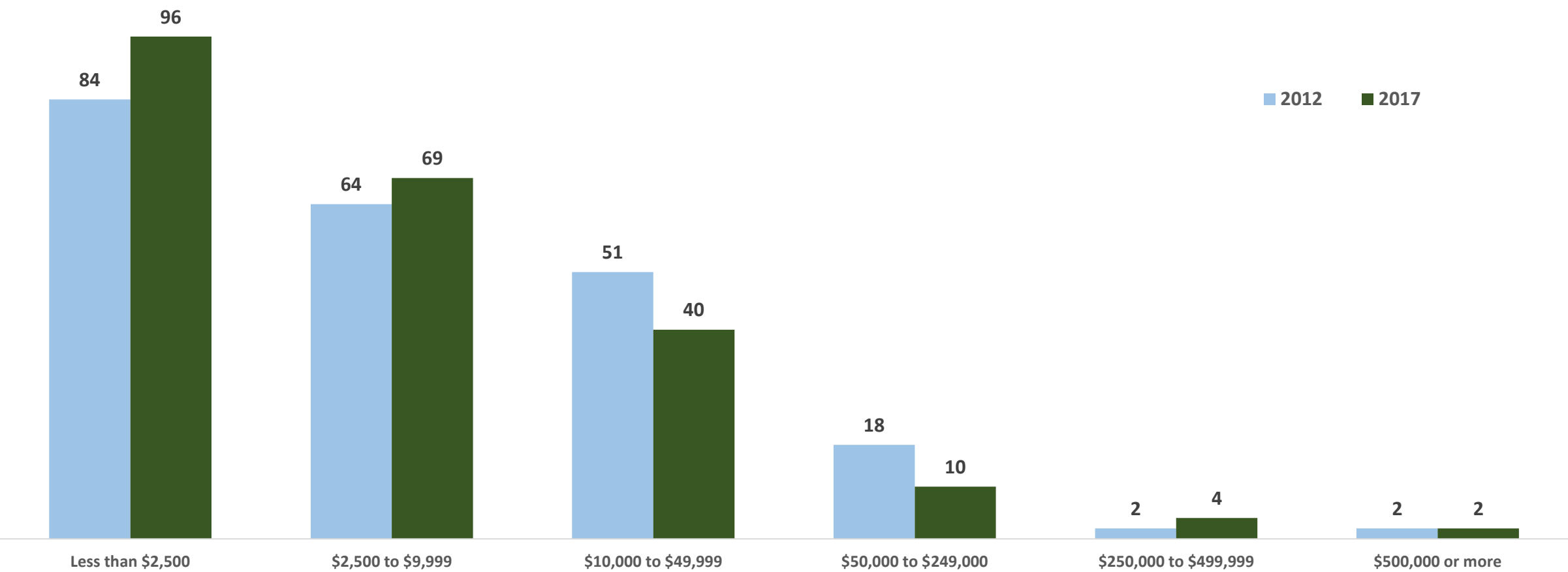
- Total Value of Agricultural Production
- Crop and Livestock Sales
- Farm Income



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

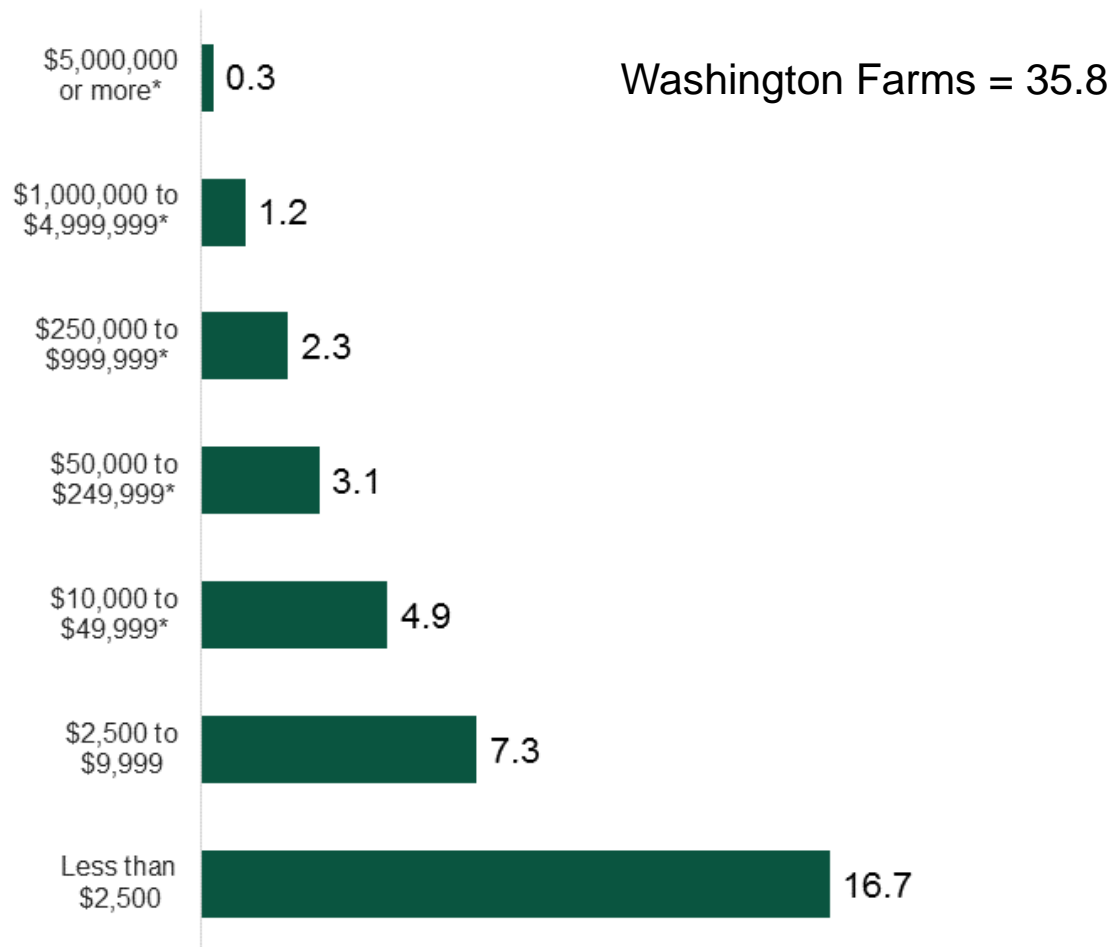


# Number of Farms, by Sales Category, 2012 and 2017, Jefferson County

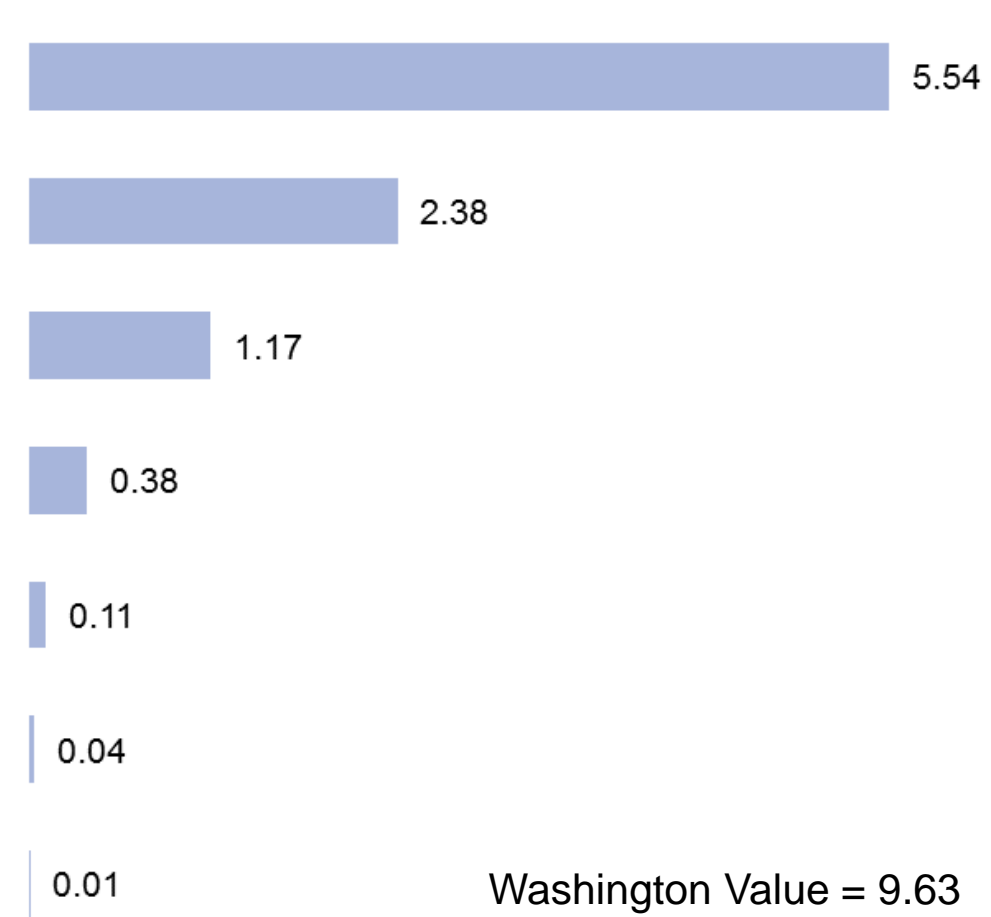


# Farms and Value of Production, by Sales Category, 2017 - WA

Number of Farms (thousands)

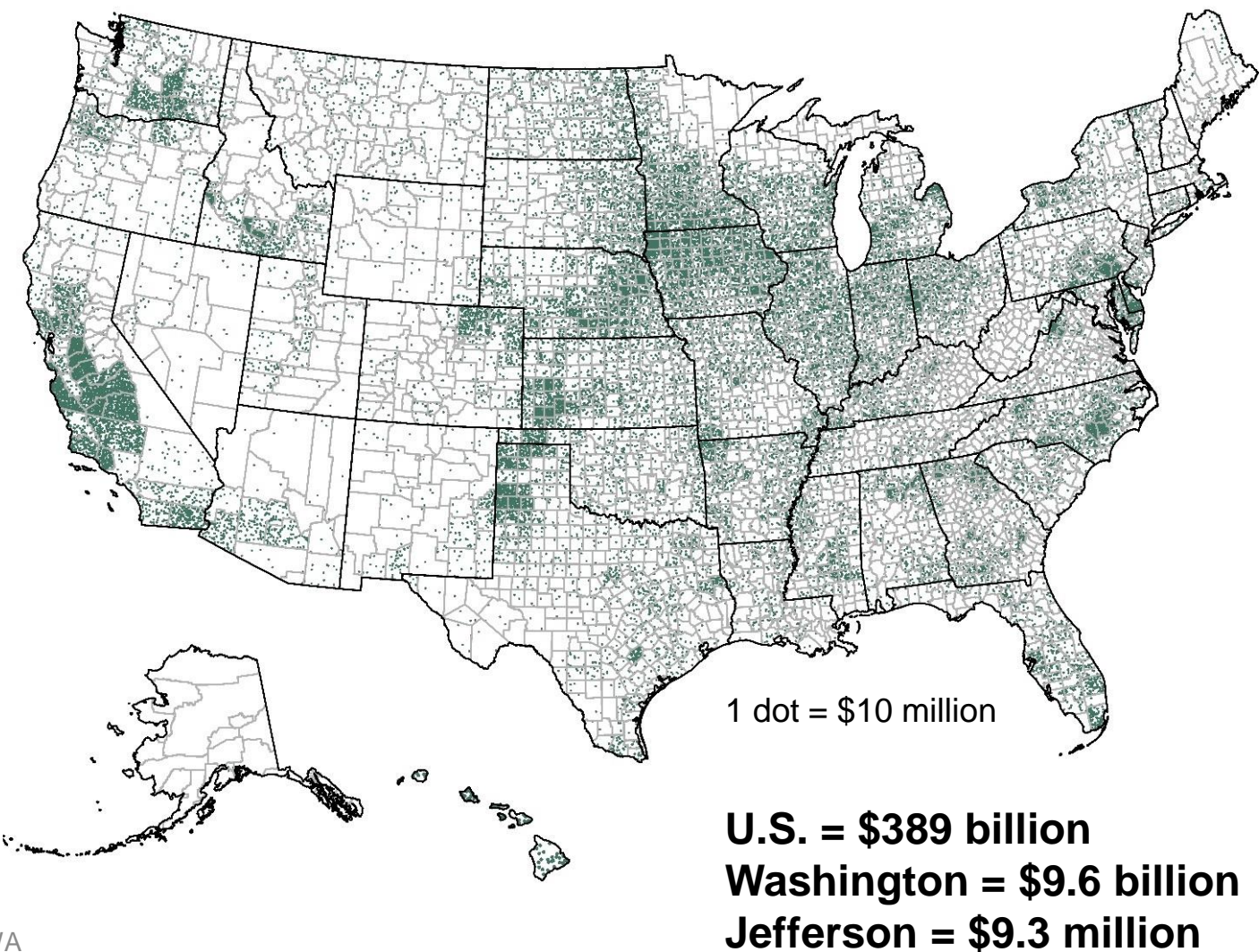


Value of Production (\$ billions)



# Total Value of Agricultural Production by Location, 2017

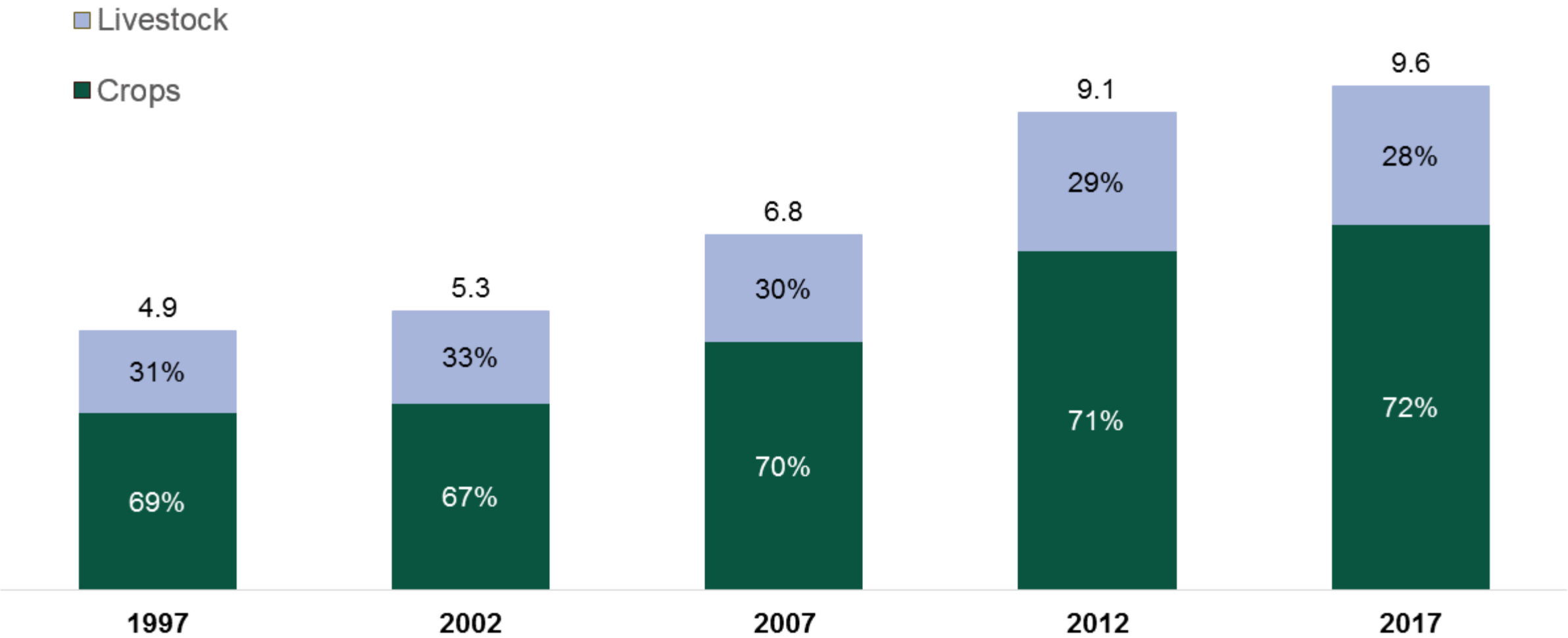
TVP by County



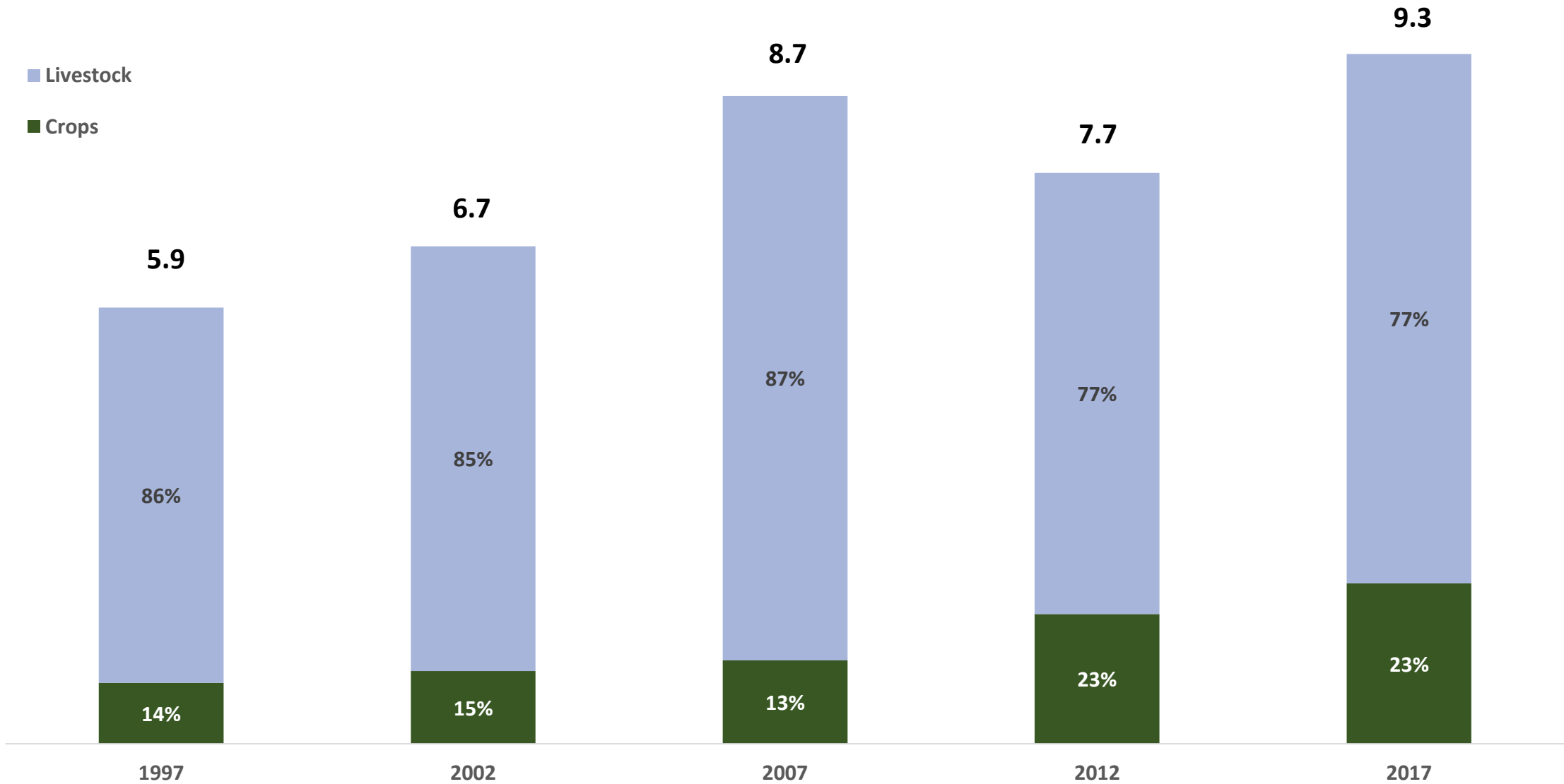
| Top 10 Counties + Jefferson | TVP (\$ millions) |
|-----------------------------|-------------------|
| Yakima                      | 1,988             |
| Grant                       | 1,939             |
| Benton                      | 1,005             |
| Franklin                    | 632               |
| Walla Walla                 | 526               |
| Whatcom                     | 373               |
| Adams                       | 364               |
| Okanogan                    | 338               |
| Skagit                      | 287               |
| Whitman                     | 279               |
| Jefferson                   | 9                 |



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



# Value of Production, Crops and Livestock, 1997 – 2017, Jefferson Co. (\$million)



# Ranking of Market Value of Ag Products Sold, 2017 - Washington

| Item                           | Farms | Sales (\$1,000) | Rank by Sales | Percent of Total Sales |
|--------------------------------|-------|-----------------|---------------|------------------------|
| Fruits, tree nuts, and berries | 5,237 | 3,614,885       | 1             | 37.5                   |
| Vegetables, melons, spuds      | 2,437 | 1,094,944       | 2             | 11.4                   |
| Milk from cows                 | 403   | 1,082,594       | 3             | 11.2                   |
| Cattle and calves              | 7,985 | 1,068,925       | 4             | 11.1                   |
| Grains, oilseeds, dry beans    | 3,255 | 984,163         | 5             | 10.2                   |
| Other crops and hay            | 8,157 | 906,554         | 6             | 9.4                    |
| Nursery, greenhouse, etc       | 1,561 | 367,061         | 7             | 3.8                    |
| Poultry and eggs               | 3,662 | 251,233         | 8             | 2.6                    |
| Aquaculture                    | 341   | 208,161         | 9             | 2.2                    |
| Cultivated Christmas trees     | 459   | 15,778          | 10            | .2                     |

# Farm Production Expenses, 2017 - Washington

| Farm Expenses        | \$1,000   |
|----------------------|-----------|
| Feed                 | 947,523   |
| Livestock purchased  | 464,019   |
| Hired labor          | 2,181,251 |
| Fertilizer           | 517,903   |
| Cash rents           | 365,357   |
| Seeds                | 305,638   |
| Supplies and repairs | 500,456   |
| Chemicals            | 582,391   |
| Fuels                | 284,610   |
| Interest             | 241,961   |
| Other                | 2,072,964 |

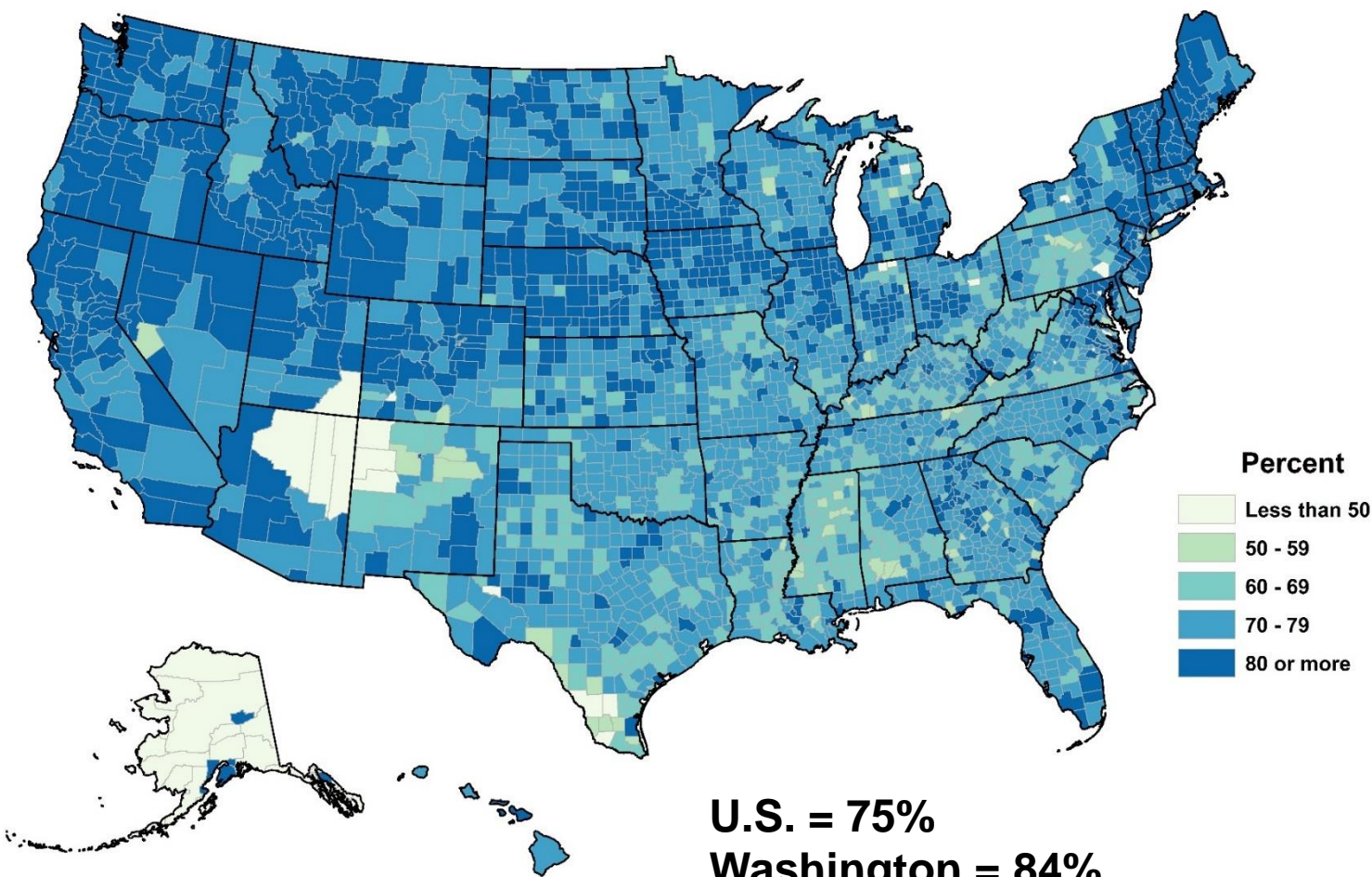


# Farm Income and Expenses, 2012 and 2017 (\$ millions)

|                                       | 2012     | 2017     | % change |
|---------------------------------------|----------|----------|----------|
| Value of ag products sold             | 9,121    | 9,634    | +6       |
| Government payments                   | 159      | 169      | +6       |
| Farm-related income                   | 312      | 366      | +17      |
| Production expenses                   | 7,840    | 8,464    | +8       |
| Net income                            | 1,752    | 1,705    | -3       |
|                                       |          |          |          |
| Per farm average net income (dollars) | \$47,047 | \$47,641 | +1       |

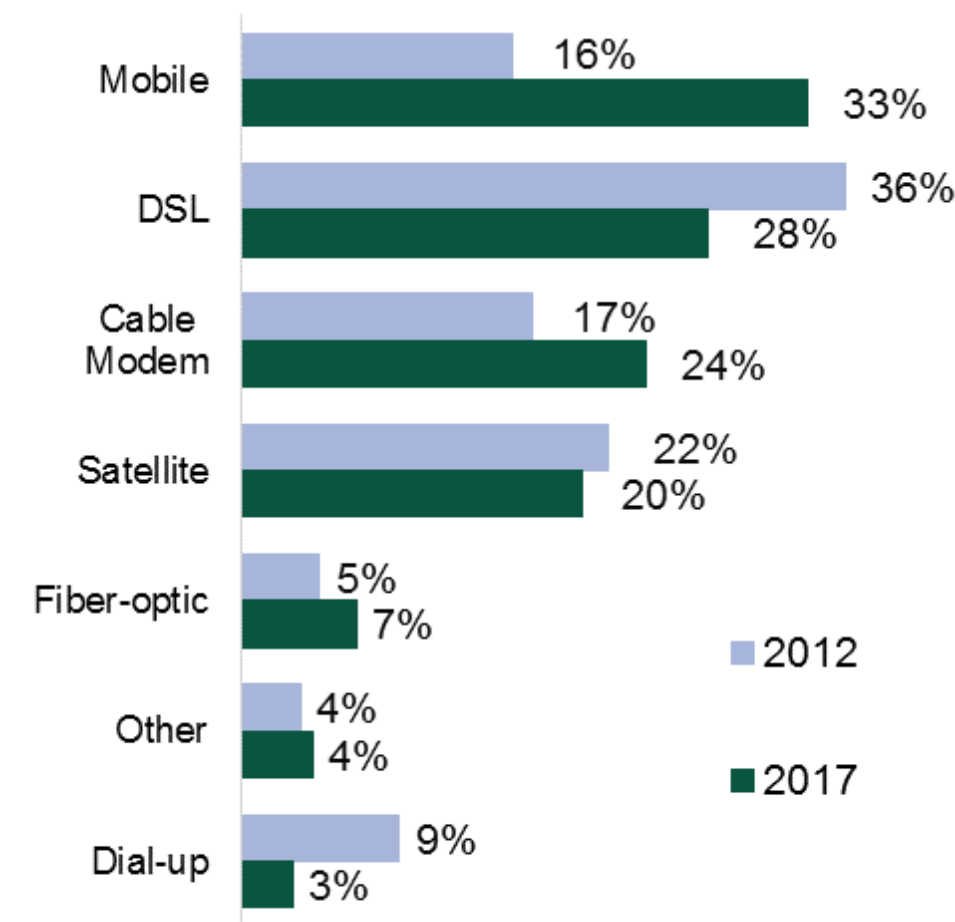
# Farms with Internet Access

As a Percent of Total, by County, 2017



**U.S. = 75%**  
**Washington = 84%**  
**Jefferson = 89%**

By Type, 2012 and 2017 (percent)



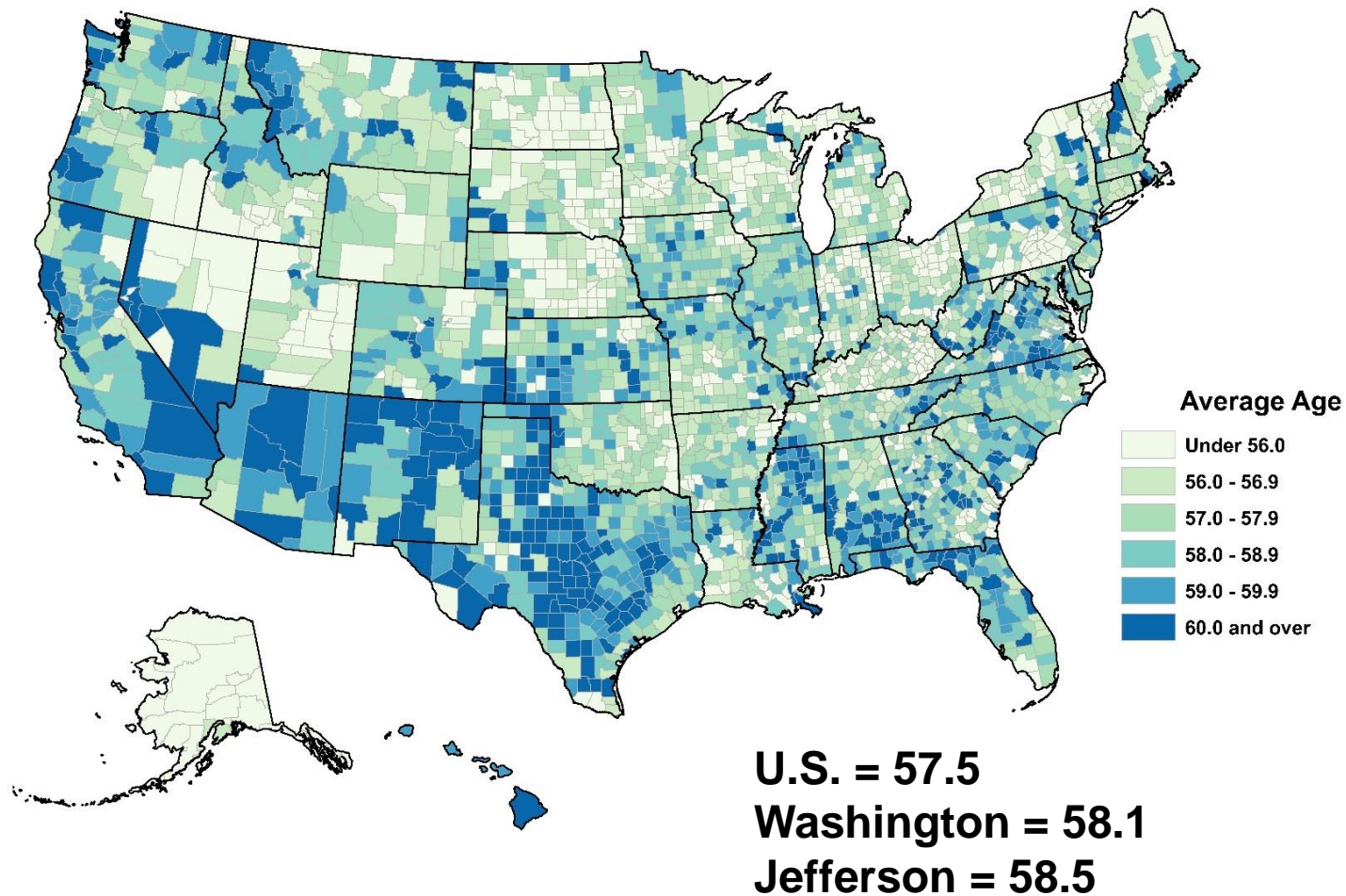
# Demographics of Farm Producers

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

# Average Age of Producers

All Producers, by County, 2017



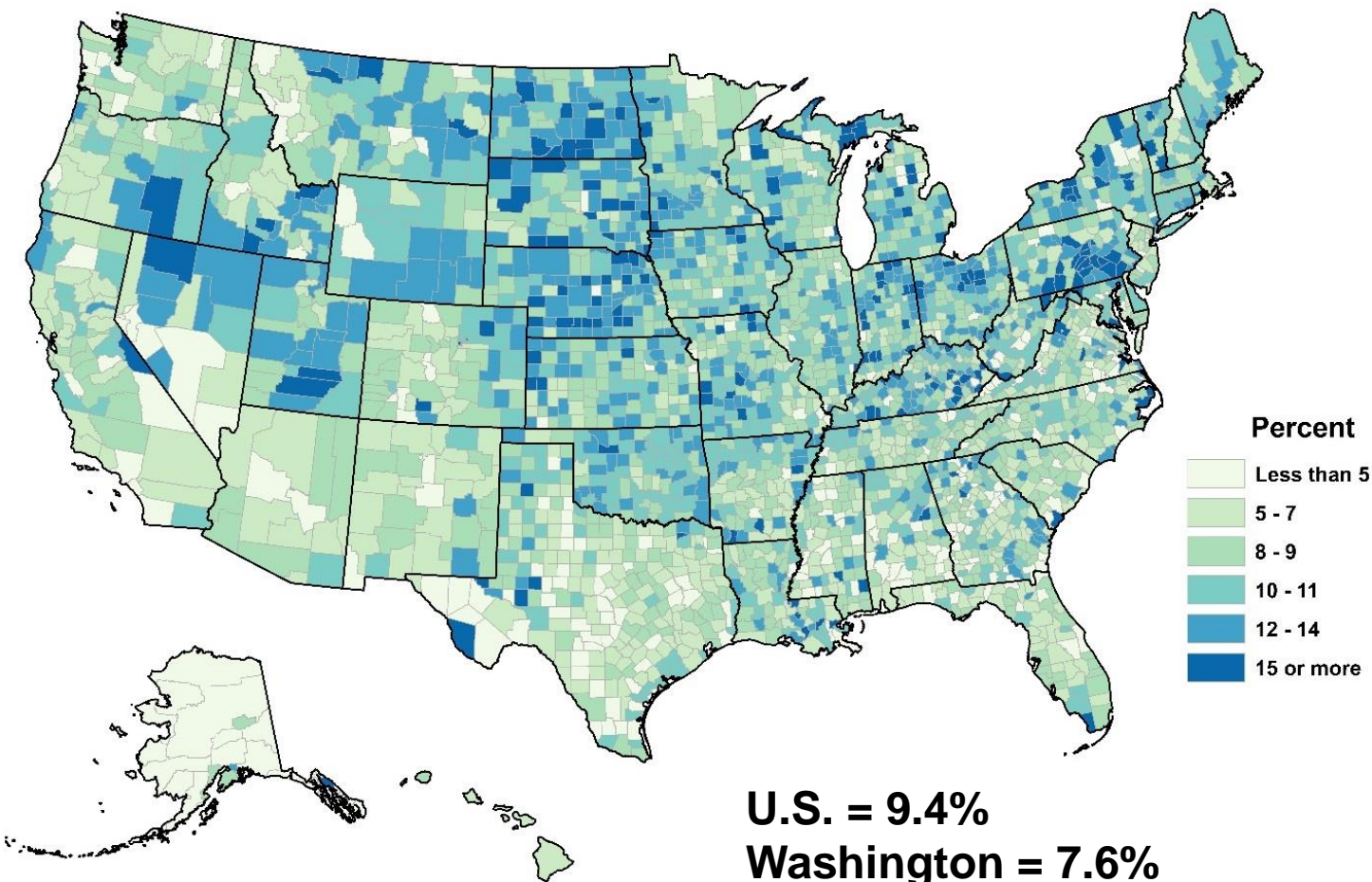
## Jefferson County - All Producers, 2007 - 2017

|      |      |
|------|------|
| 2007 | 60.1 |
| 2012 | 59.5 |
| 2017 | 58.5 |



# Young Producers (Age 35 years or less), 2017

As a Percent of All, by County

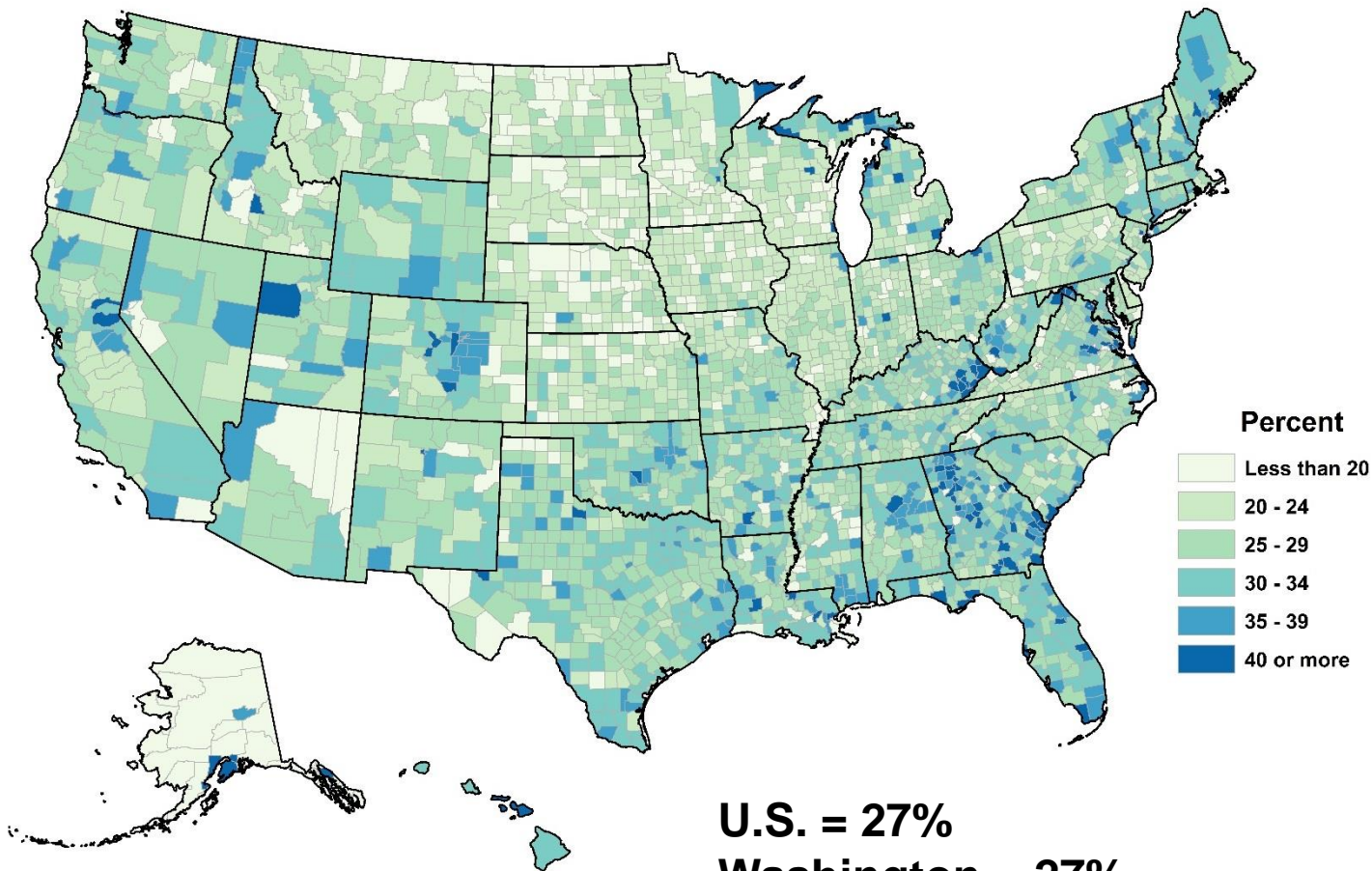


U.S. = 9.4%  
Washington = 7.6%  
Jefferson = 9.2%

| Producers – Jefferson County |       |     |
|------------------------------|-------|-----|
|                              | Young | All |
| Number                       | 37    | 403 |
|                              |       |     |
| Farms – Jefferson County     |       |     |
| Number                       | 32    | 221 |
| Average farm size (acres)    | 79    | 62  |
|                              |       |     |

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

As a Percent of All, by County



**U.S. = 27%**  
**Washington = 27%**  
**Jefferson = 31%**

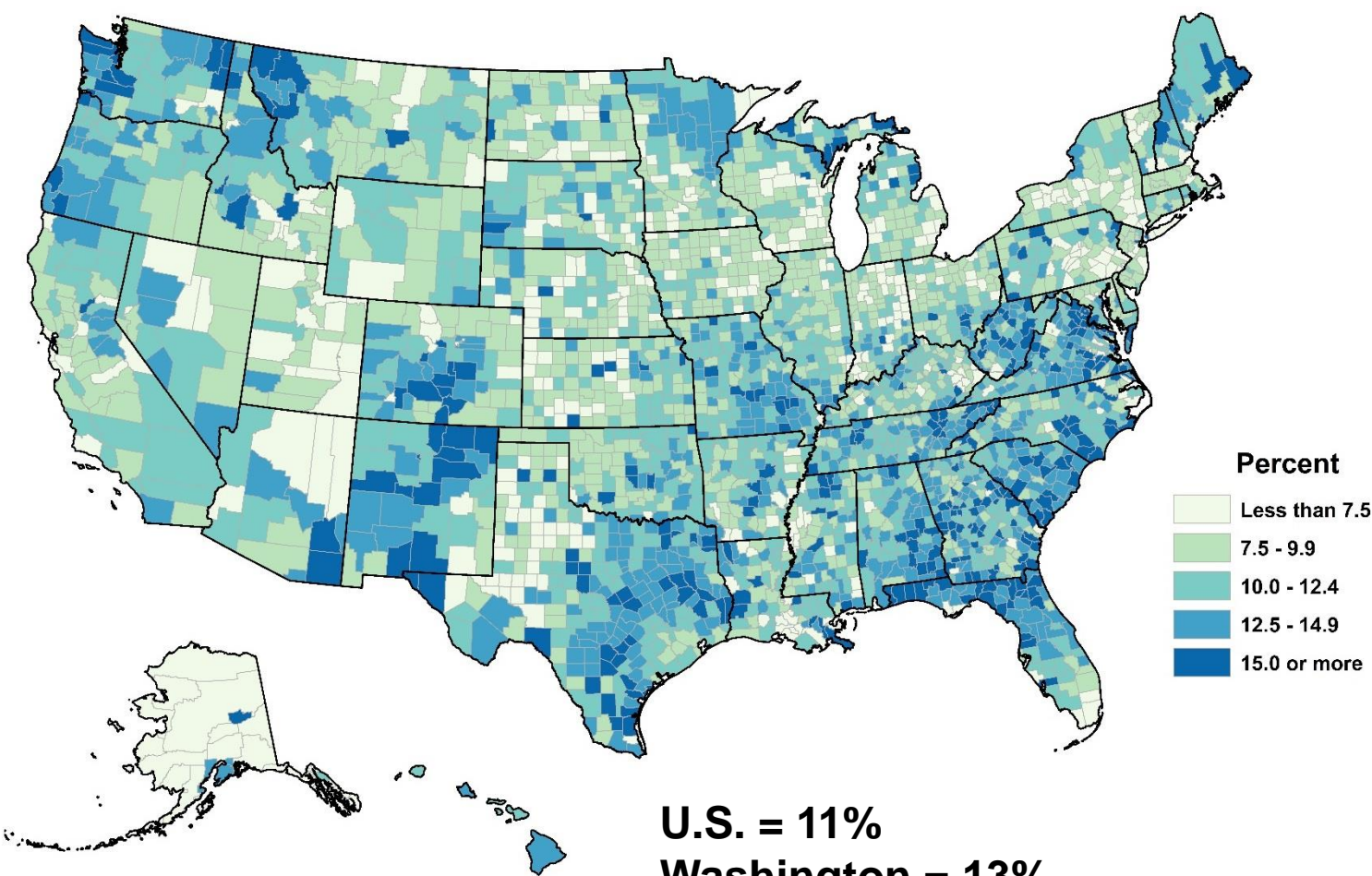
| Producers – Jefferson County |                   |     |
|------------------------------|-------------------|-----|
|                              | New and Beginning | All |
| Number                       | 125               | 403 |

| Farms – Jefferson County  |    |     |
|---------------------------|----|-----|
| Number                    | 83 | 221 |
| Average farm size (acres) | 50 | 62  |



# Producers with Military Service, 2017

As a Percent of All, by County

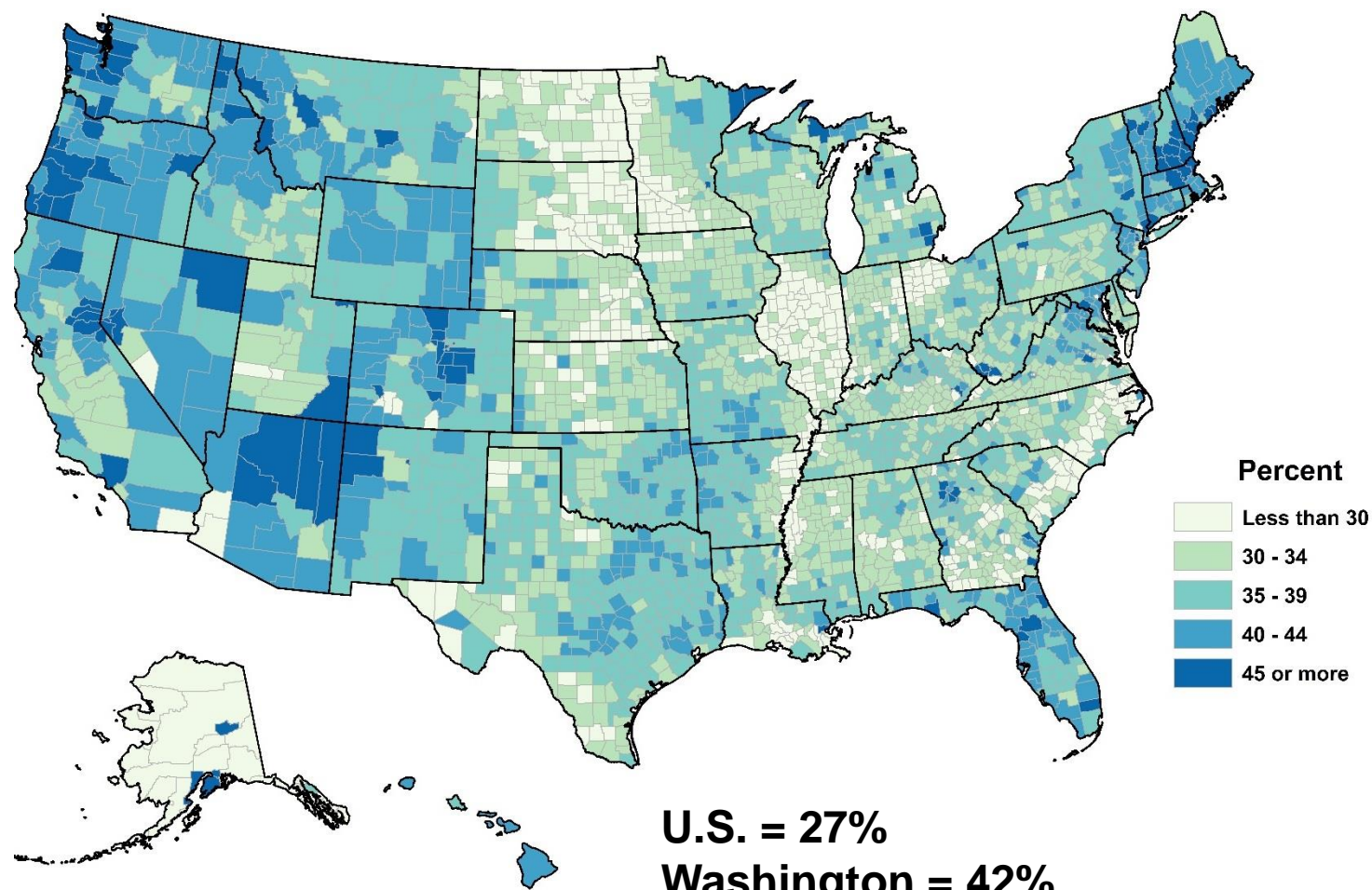


U.S. = 11%  
Washington = 13%  
Jefferson = 18%

| Producers – Jefferson County |                       |     |
|------------------------------|-----------------------|-----|
|                              | With Military Service | All |
| Number                       | 71                    | 403 |
|                              |                       |     |
| Farms – Jefferson County     |                       |     |
| Number                       | 61                    | 221 |
| Average farm size (acres)    | 77                    | 62  |
|                              |                       |     |

# Producers by Sex, 2017

Female Producers as a Percent of Total



**U.S. = 27%**  
**Washington = 42%**  
**Jefferson = 46%**

| Producers – Jefferson County |        |      |
|------------------------------|--------|------|
|                              | Female | Male |
| Number                       | 185    | 218  |
|                              |        |      |
| Farms – Jefferson County     |        |      |
| Number                       | 163    | 186  |
| Average farm size (acres)    | 55     | 68   |
|                              |        |      |

# 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                  |





All Reports Available At  
[www.nass.usda.gov](http://www.nass.usda.gov)

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