



2017 Census of Agriculture Data Release by Marlo D. Johnson

Michigan

EMBARGOED until April 11, at noon ET

Agenda



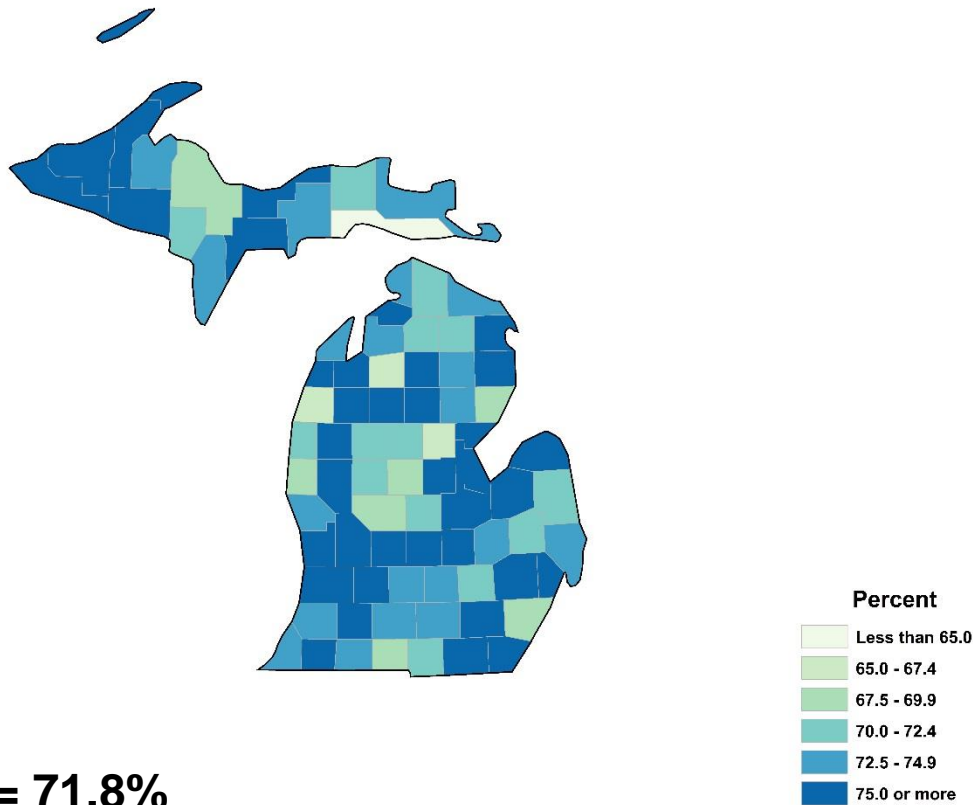
- Census Data Collection
- Farms and Ranches
- Economics
- Demographics
- Future Census Products

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

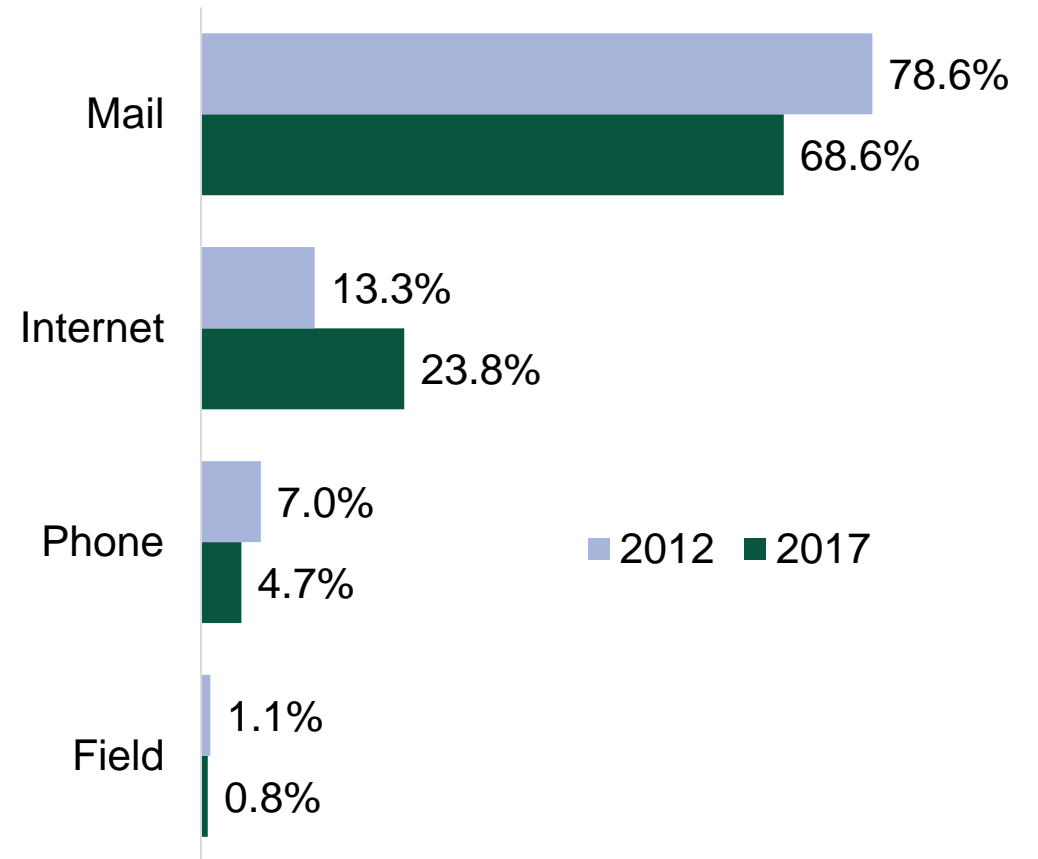
Census Data Collection

Response Rate by County, 2017



U.S. = 71.8%
Michigan = 74.8%

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

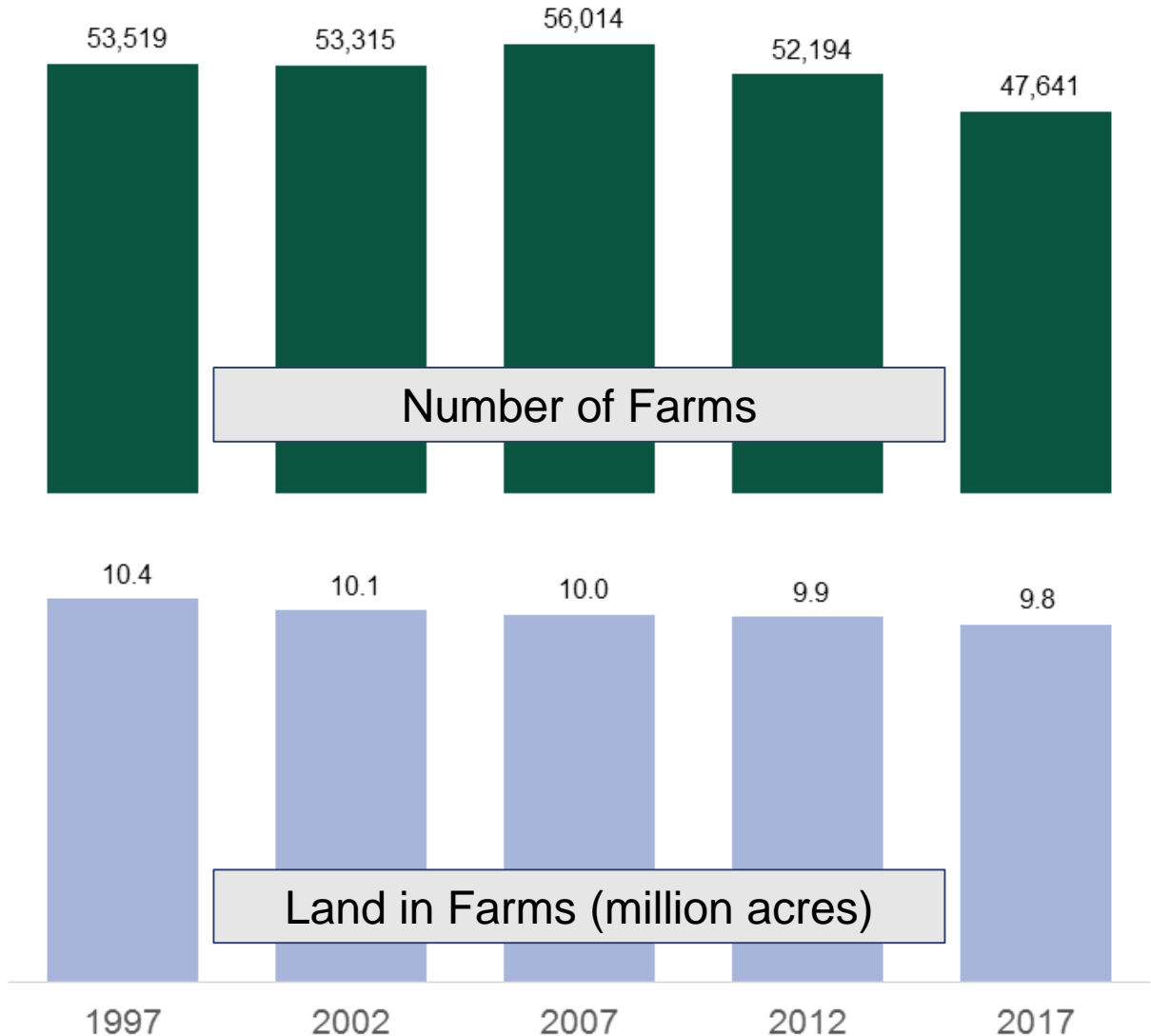


Farms and Land in Farms

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.”

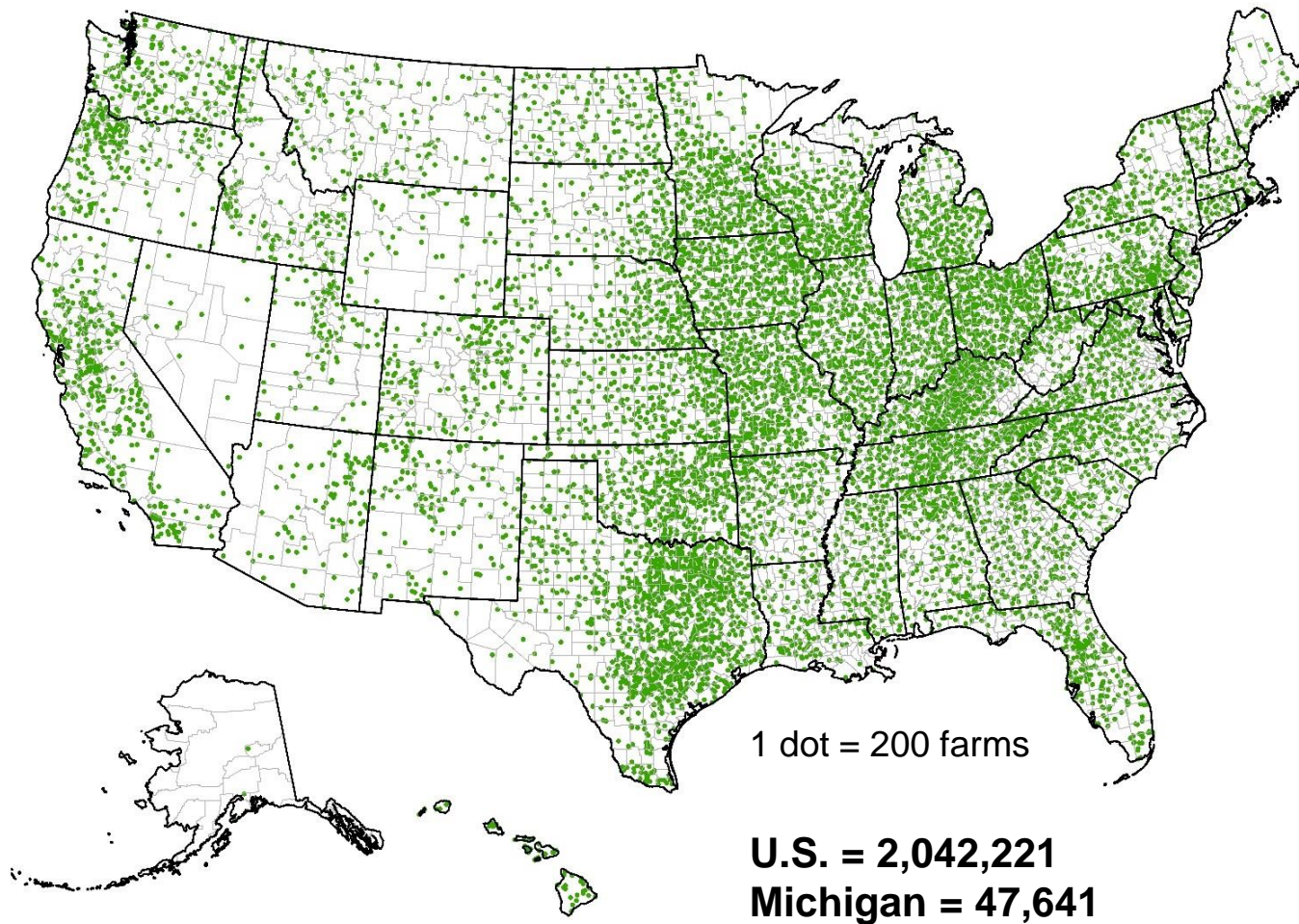
Number of Farms and Land in Farms, 1997-2017



	2012	2017	% change
Number of Farms			
	52,194	47,641	-8.7
Land in farms (million acres)			
	9.9	9.8	-1.9
Average farm size (acres)			
	191	205	+7.3

Number of Farms, 2017

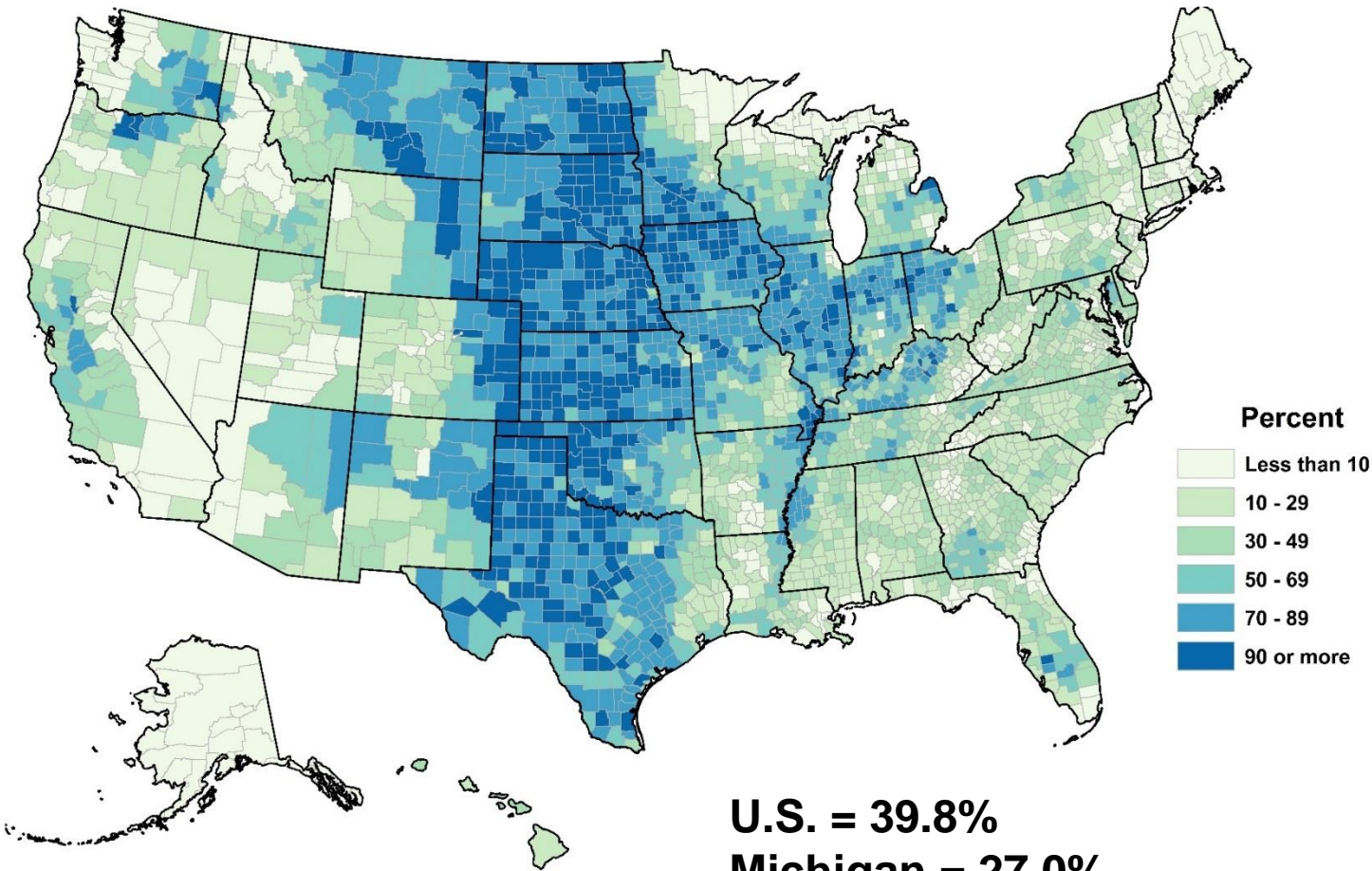
By County



Top 10 Counties	2017
Lenawee	1,361
Sanilac	1,315
Saginaw	1,250
Washtenaw	1,245
Tuscola	1,241
Hillsdale	1,205
Allegan	1,172
Huron	1,153
Ottawa	1,130
Monroe	1,085

Land in Farms, 2017

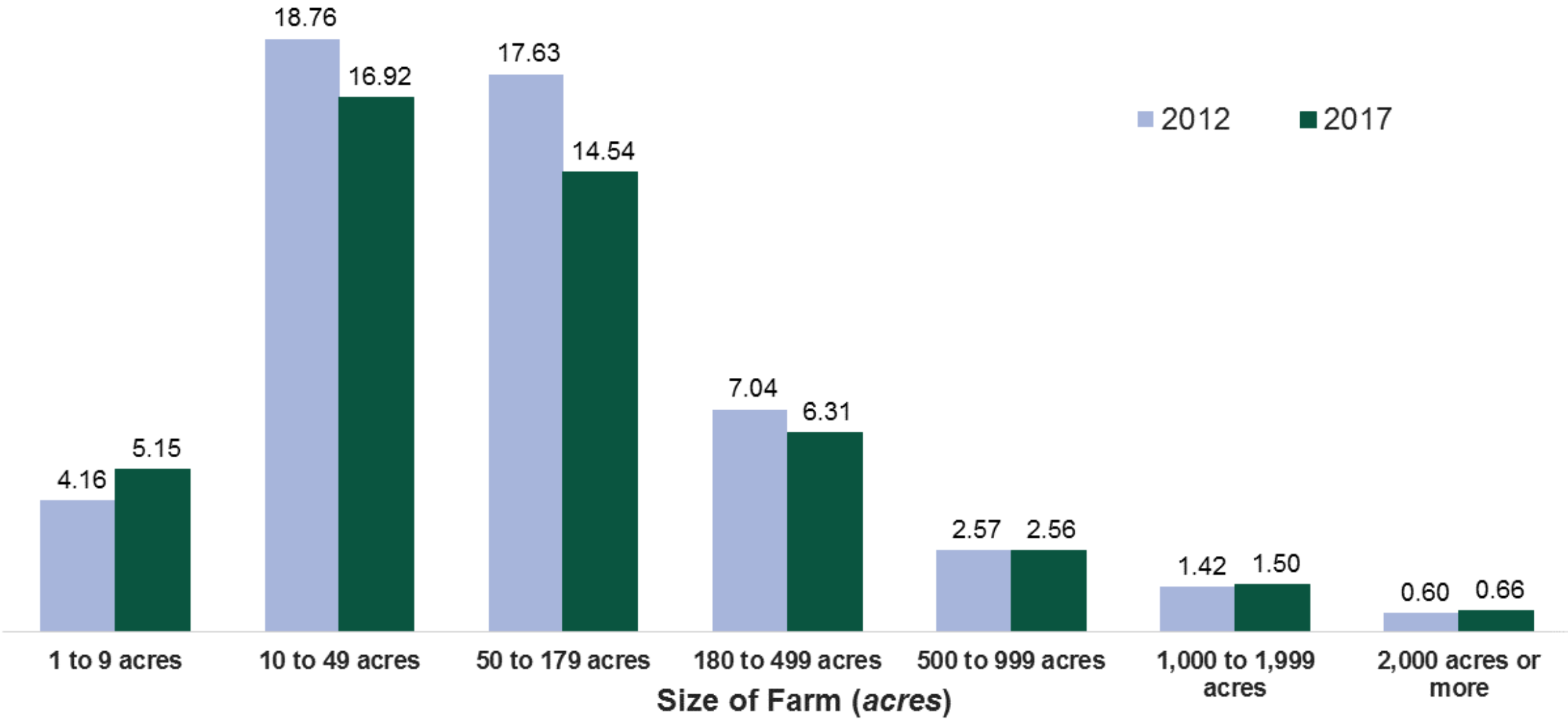
As a Percent of Total, by County



U.S. = 39.8%
Michigan = 27.0%

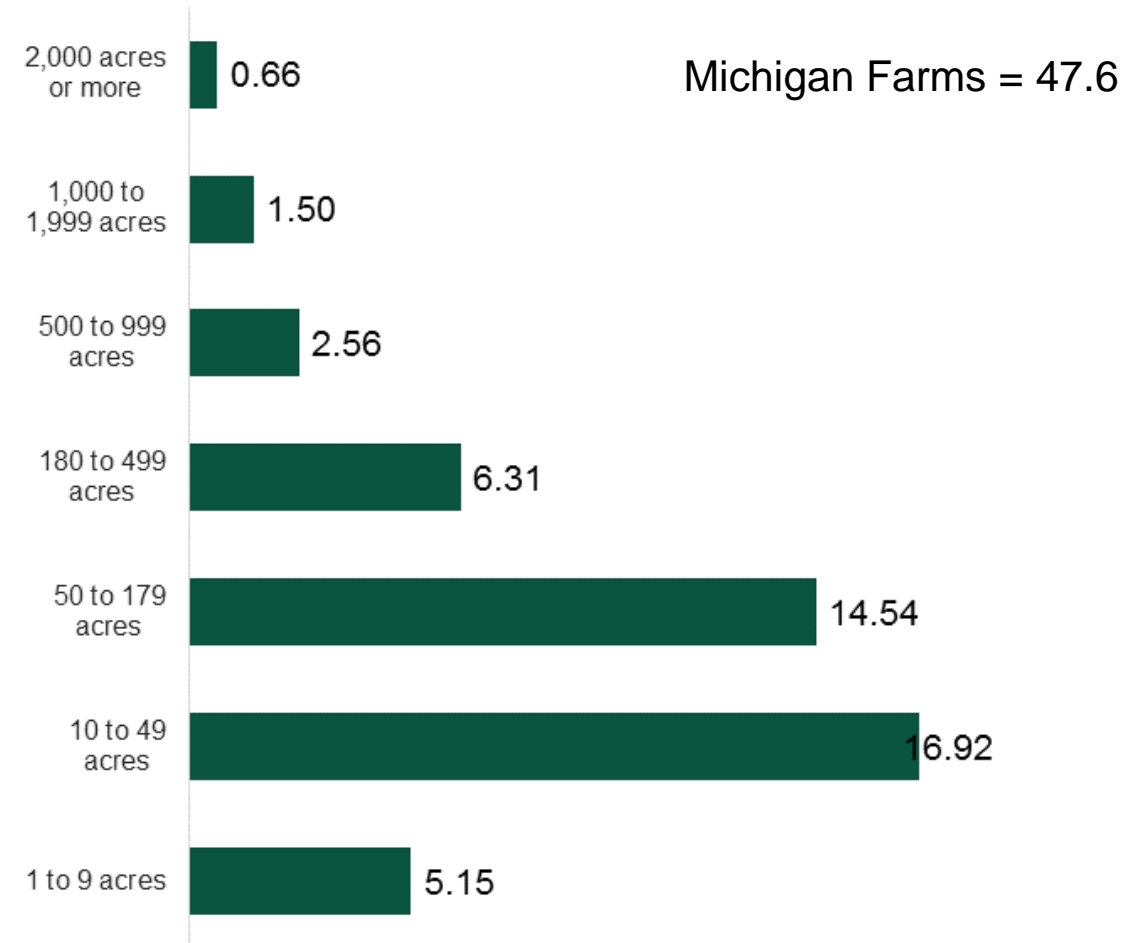
Type of Use	Acres (millions)
Total	9.8
Permanent Pasture	0.3
Cropland	7.9
<i>Harvested Cropland</i>	7.2
Woodland	1.0
Other	0.5

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

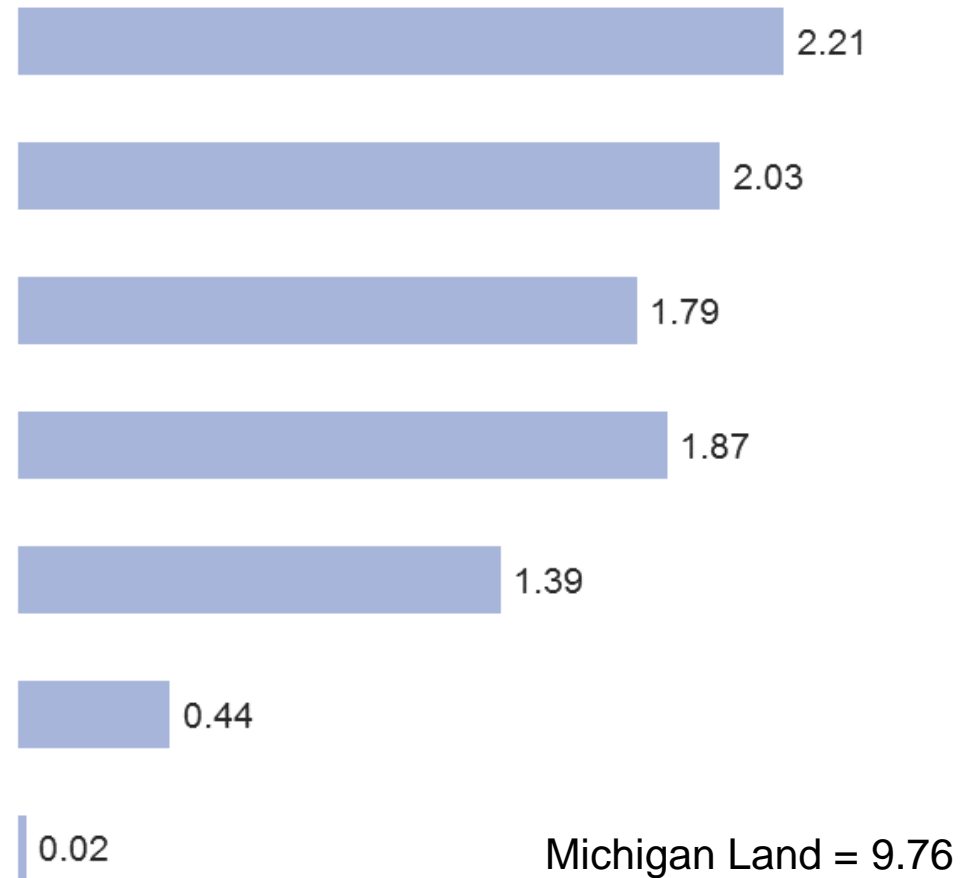


Number of Farms and Land in Farms, by Size Category, 2017

Number of Farms (thousands)



Land in Farms (million acres)



Economics

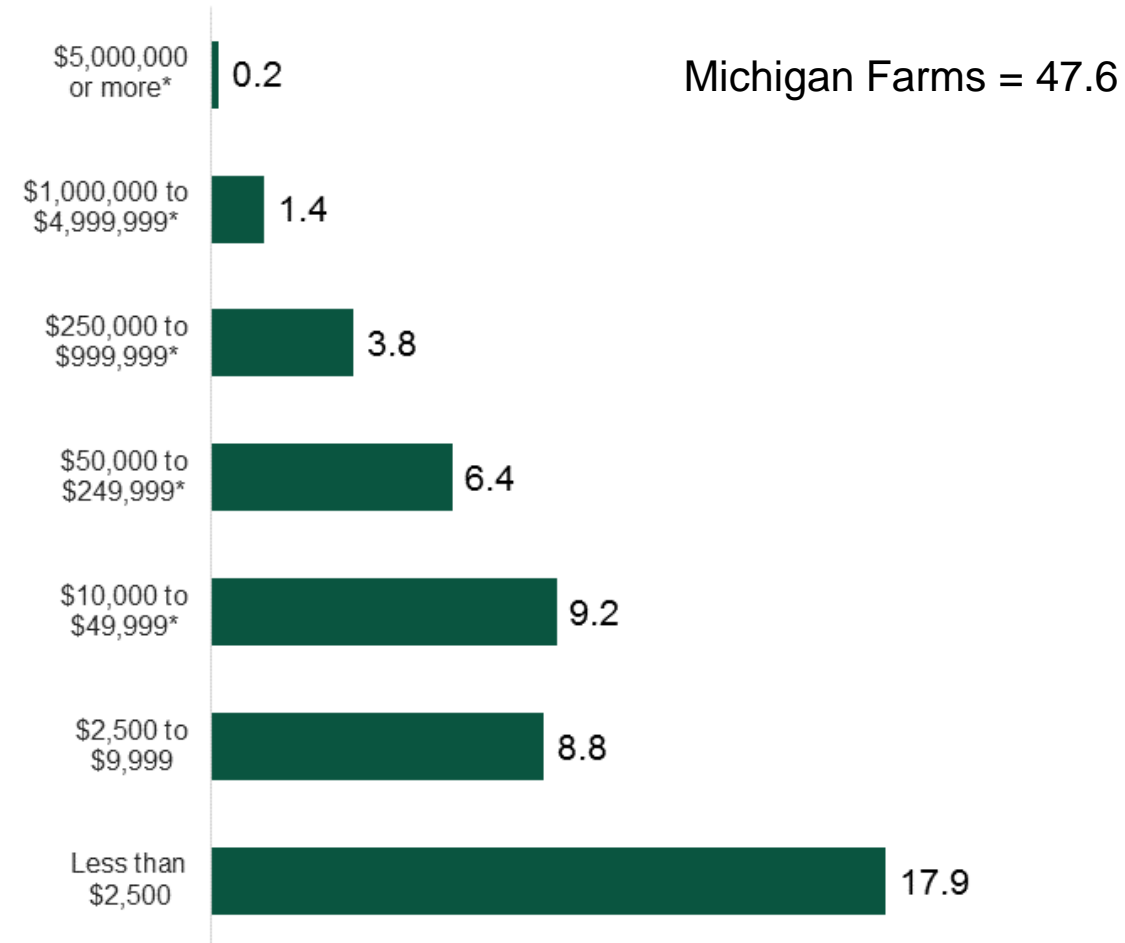
- Total Value of Agricultural Production
- Crop and Livestock Sales
- Farm Income

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

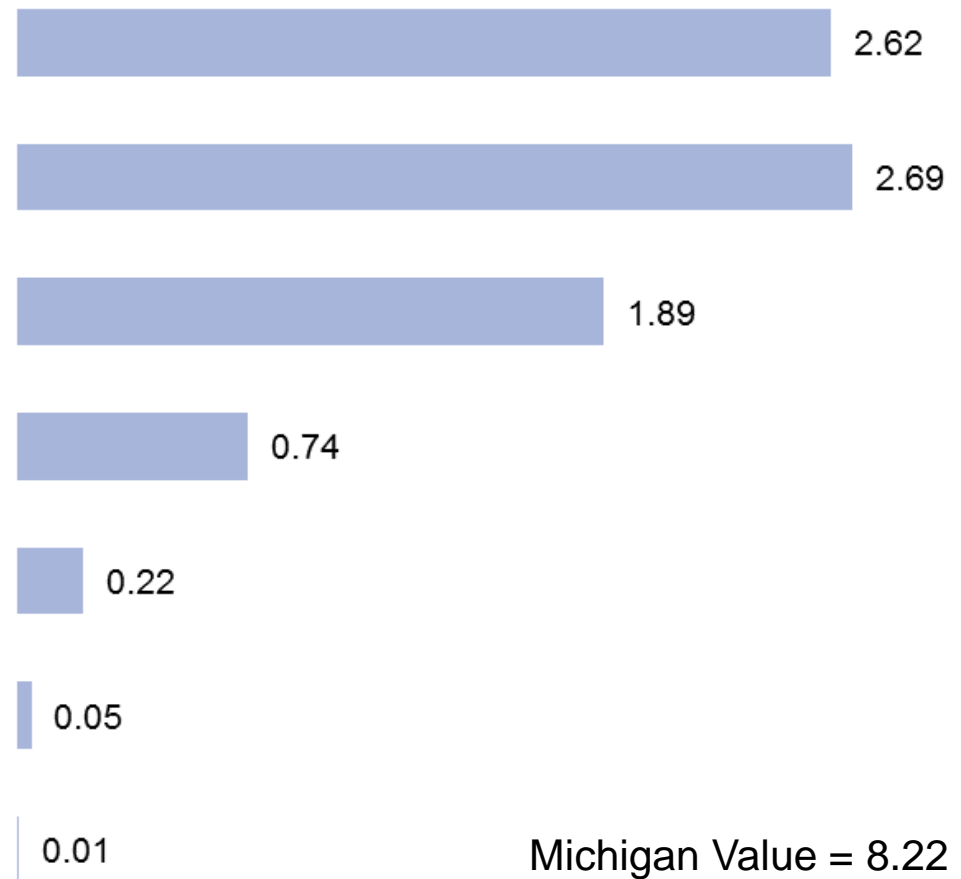


Farms and Value of Production, by Sales Category, 2017

Number of Farms (thousands)

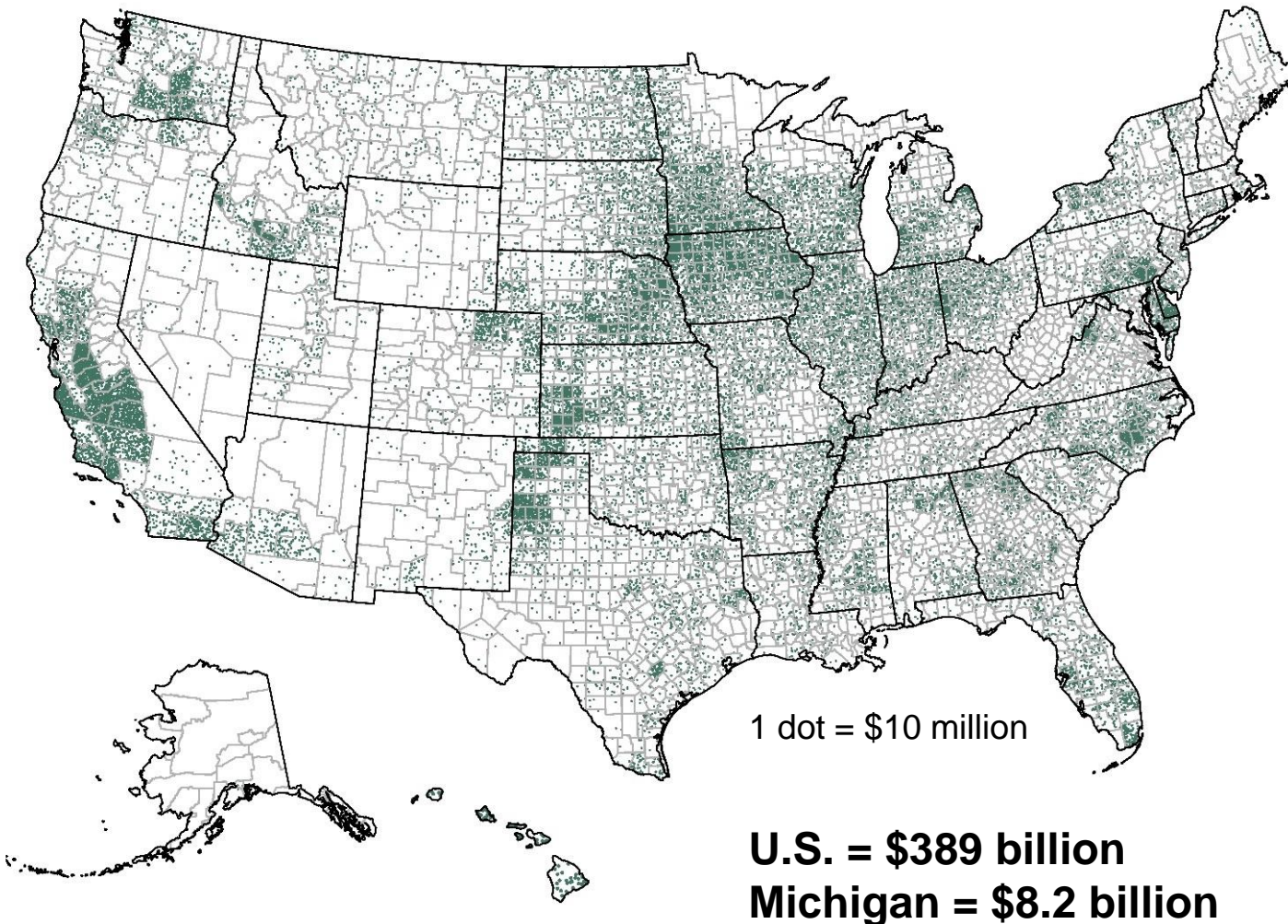


Value of Production (\$ billions)



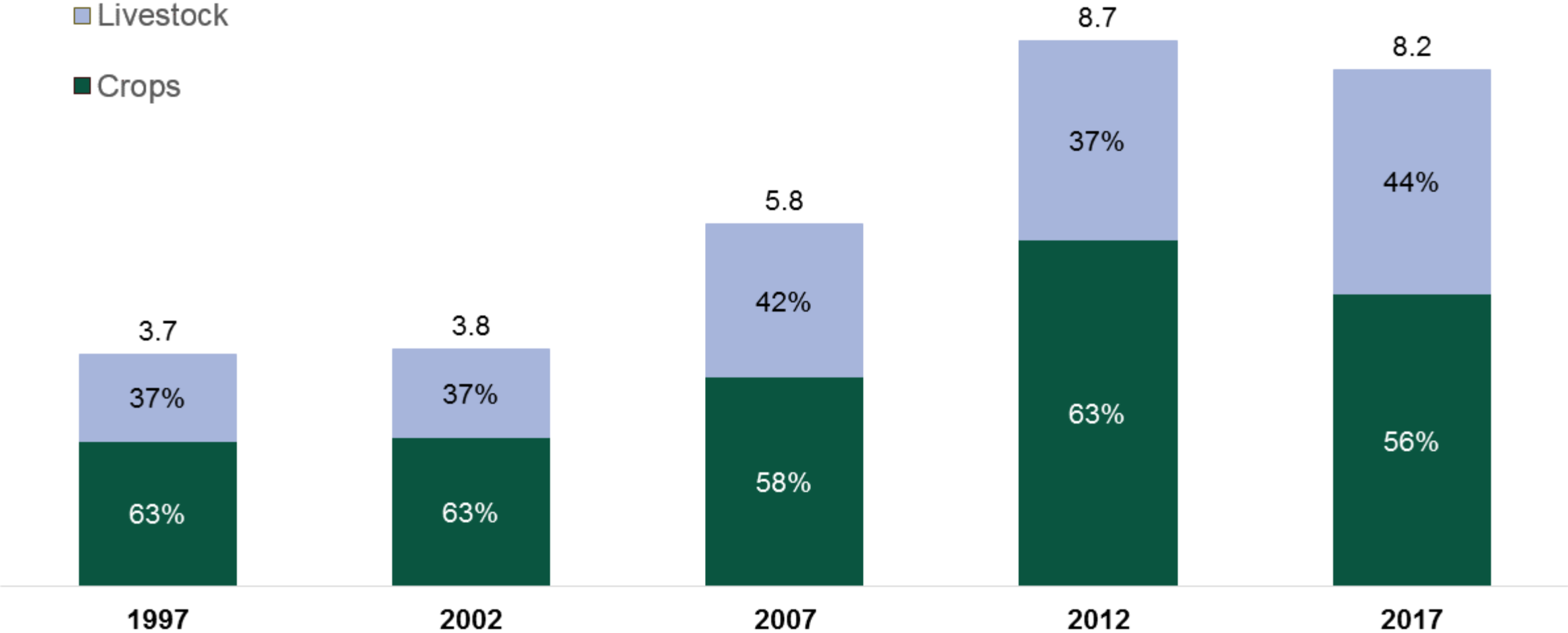
Total Value of Agricultural Production by Location, 2017

TVP by County



Top 10 Counties	TVP (\$ millions)
Huron	611
Allegan	584
Ottawa	507
Ionia	383
Sanilac	358
Gratiot	281
Kent	263
Lenawee	260
Kalamazoo	237
Tuscola	231

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



Ranking of Market Value of Ag Products Sold, 2017

Item	Farms	Sales (\$1,000)	Rank by Sales	Percent of Total Sales
Total sales	47,641	8,220,935	(X)	100.0
<i>Grains, oilseeds, dry beans, and dry peas</i>	16,493	2,611,695	1	31.8
<i>Milk from cows</i>	1,652	1,786,057	2	21.7
<i>Nursery, greenhouse, floriculture, and sod</i>	1,939	739,749	3	9.0
Cattle and calves	9,539	628,397	4	7.6
Hogs and pigs	2,441	608,555	5	7.4
Vegetables, melons, potatoes, and sweet potatoes	3,089	535,068	6	6.5
Poultry and eggs	5,300	480,253	7	5.8
Fruits, tree nuts, and berries	2,876	440,718	8	5.4
Other crops and hay	14,059	288,290	9	3.5
Other animals and other animal products	1,626	32,700	10	0.4

Farm Production Expenses, 2017

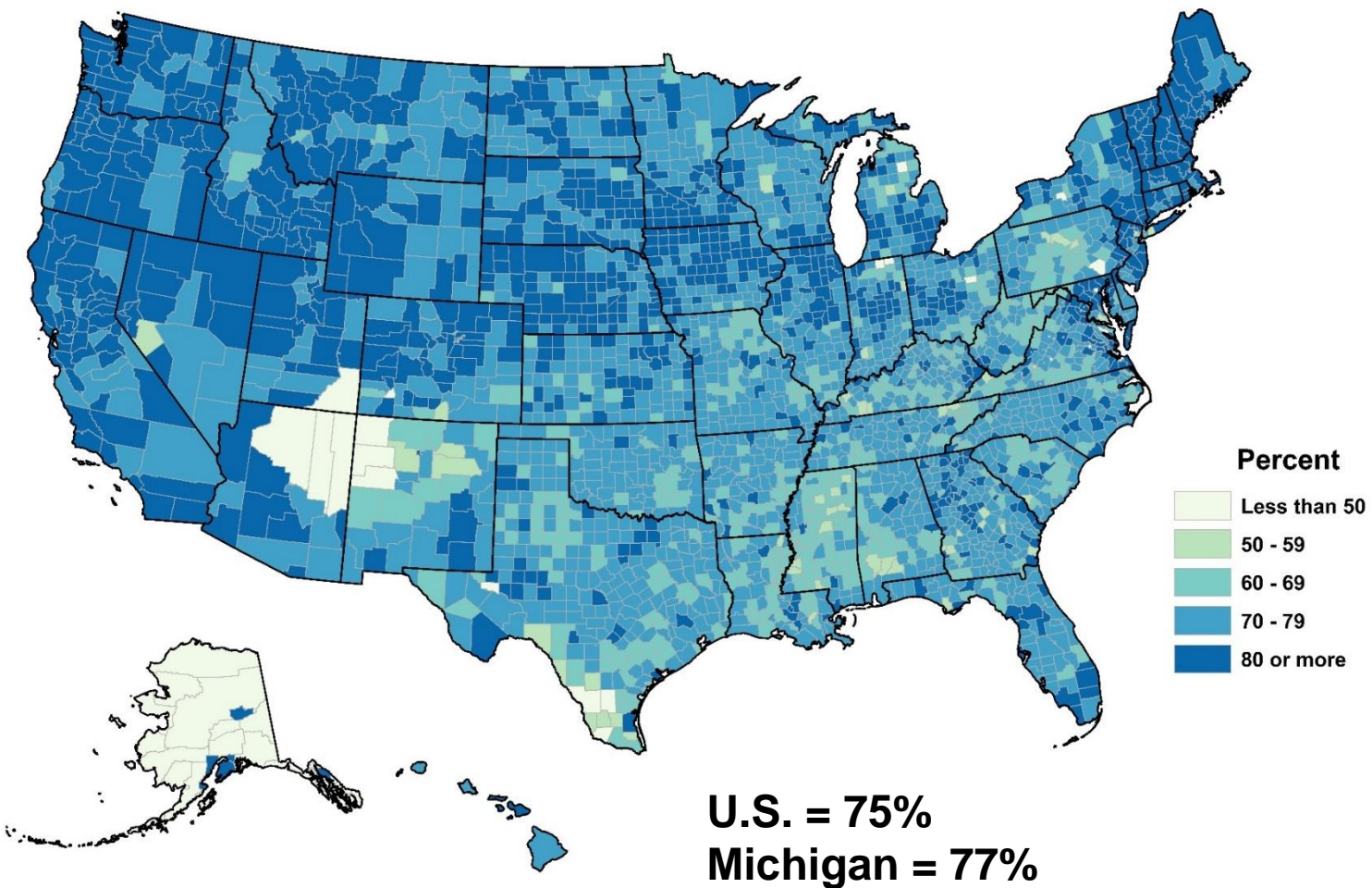
Farm Expenses	
Feed	1,269,333
Livestock and poultry purchased	390,358
Hired labor	952,388
Fertilizer, lime, and soil	592,379
Cash rents	486,995
Seeds, plants, vines, and trees	604,053
Supplies and repairs	524,438
Chemicals	360,374
Fuels	313,479
Interest	297,871
Other livestock and poultry	302,587

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

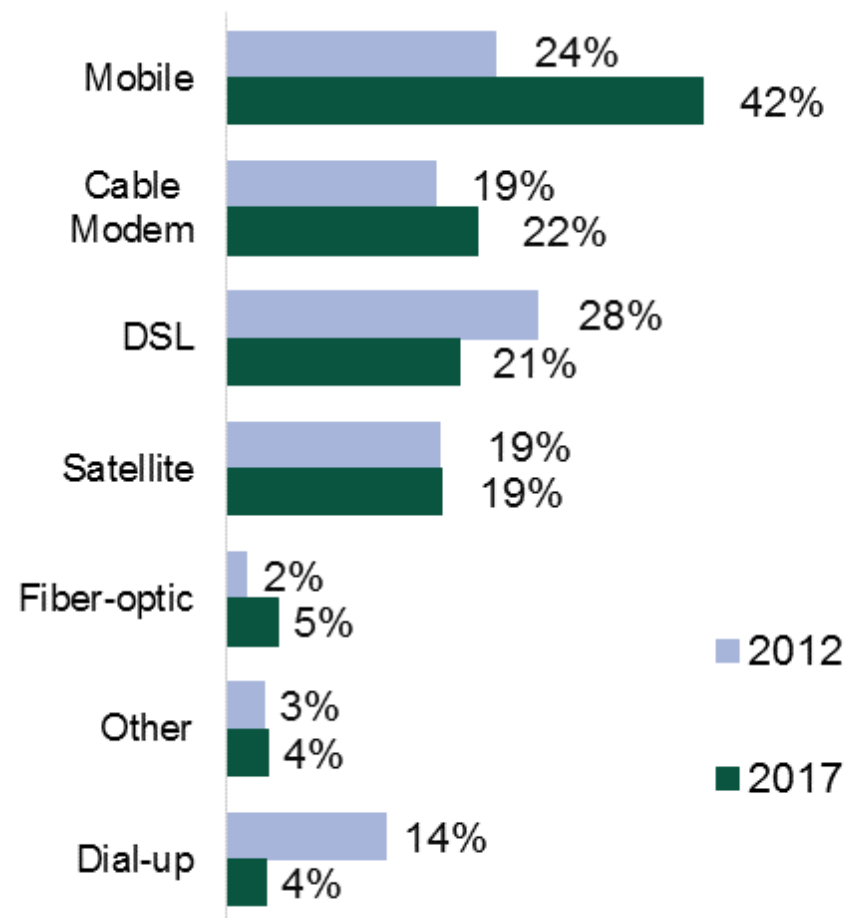
	2012	2017	% change
Value of ag products sold	8,678	8,221	-5
Government payments	156	167	+7
Farm-related income	339	317	-7
Production expenses	6,942	7,208	+4
Net income	2,231	1,497	-33
Per farm average net income (dollars)	\$42,738	\$31,415	-26

Farms with Internet Access

As a Percent of Total, by County, 2017



By Type, 2012 and 2017 (percent)

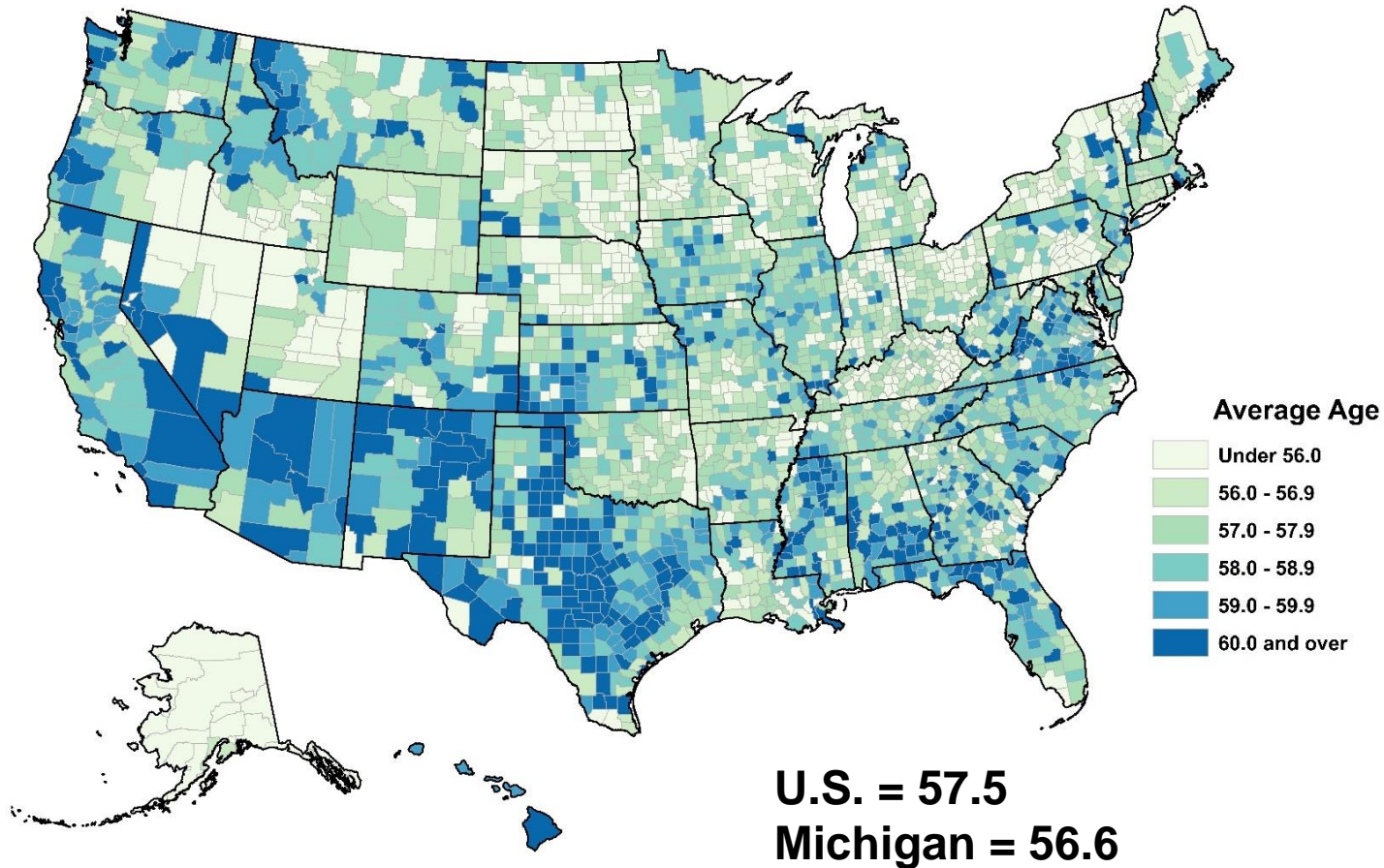


Demographics of Farm Producers

- 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

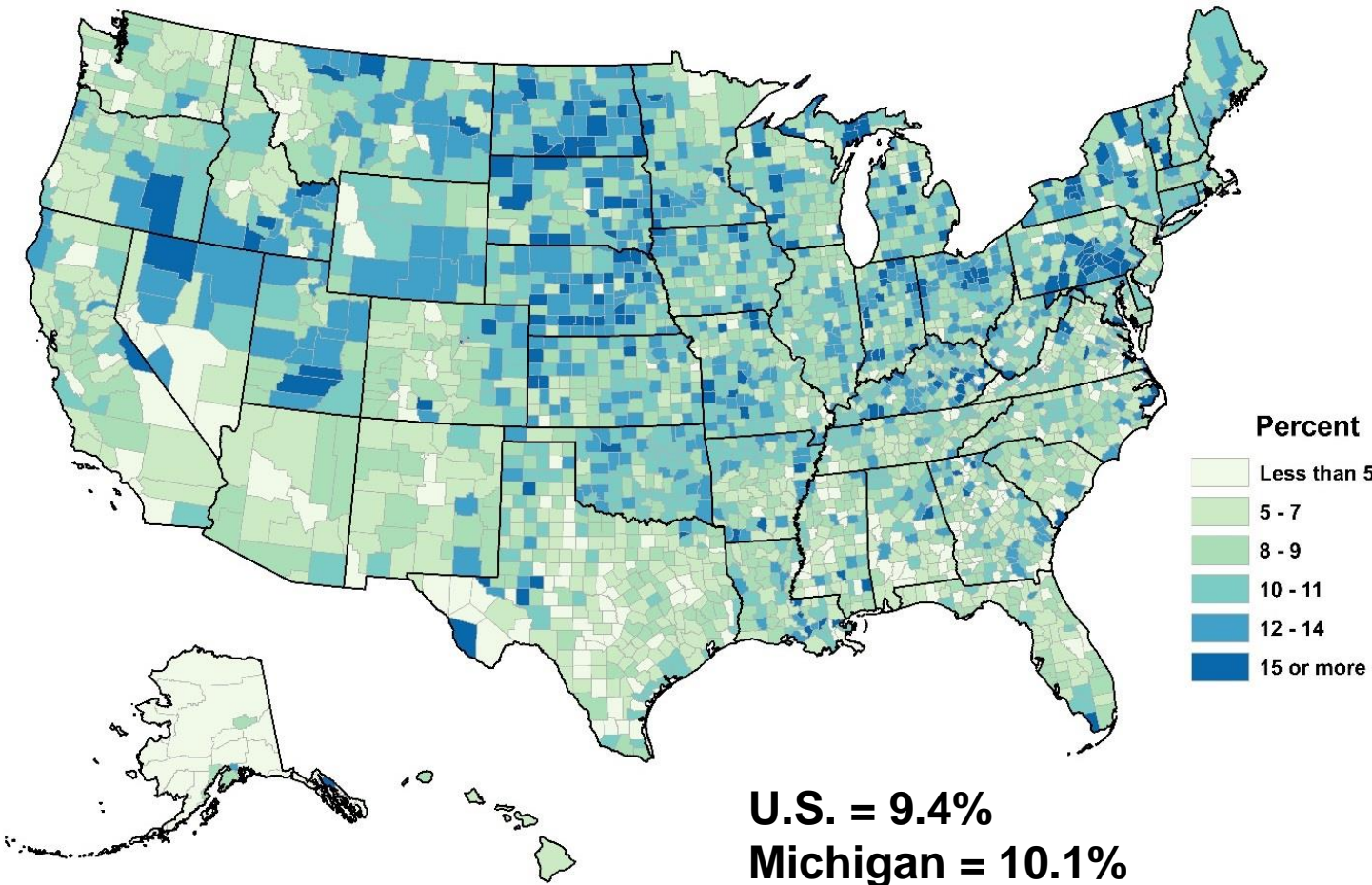


All Producers, 2007 - 2017

2007	54.1
2012	55.5
2017	56.6

Young Producers (Age 35 years or less), 2017

As a Percent of All, by County



Producers

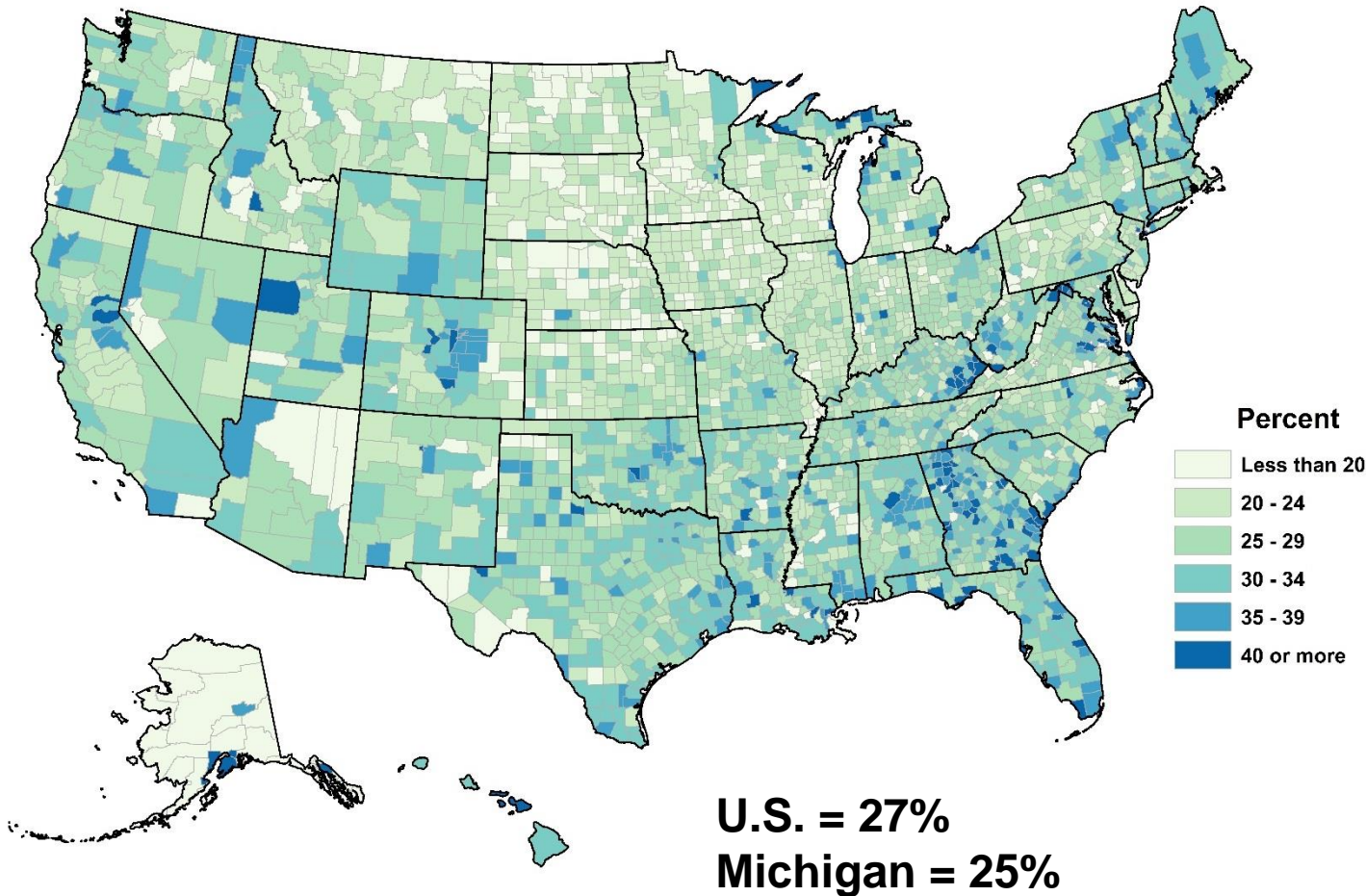
	Young	All
Number	8,012	79,404
Average age	29	56.6

Farms

Number	6,023	47,641
Average farm size (acres)	252	205
Average TVP	\$282,893	\$172,560

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

As a Percent of All, by County



Producers

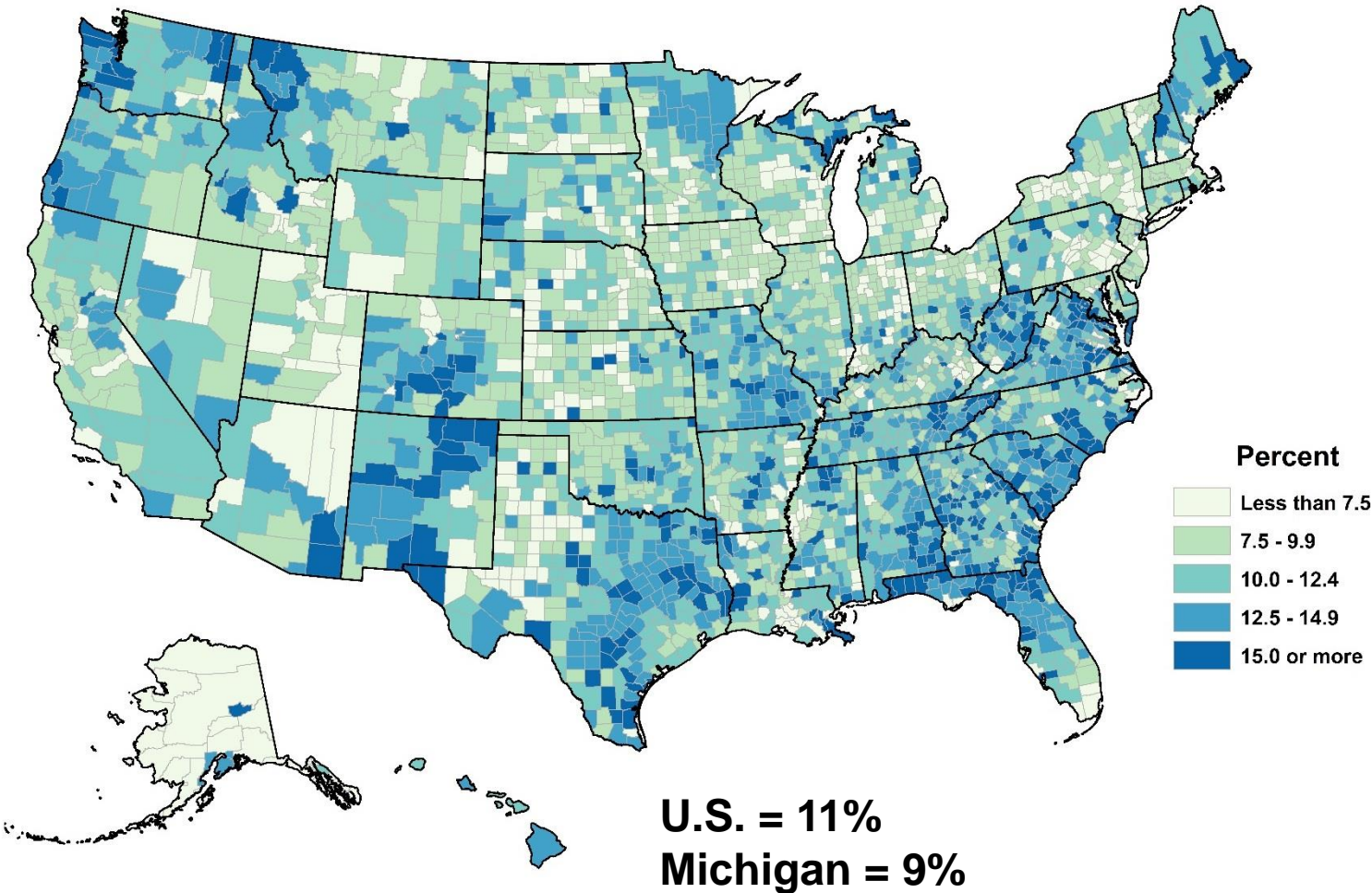
	New and Beginning	All
Number	20,248	79,404
Average age	44.3	56.6

Farms

Number	13,314	47,641
Average farm size (acres)	147	205
Average TVP	\$137,989	\$172,560

Producers with Military Service, 2017

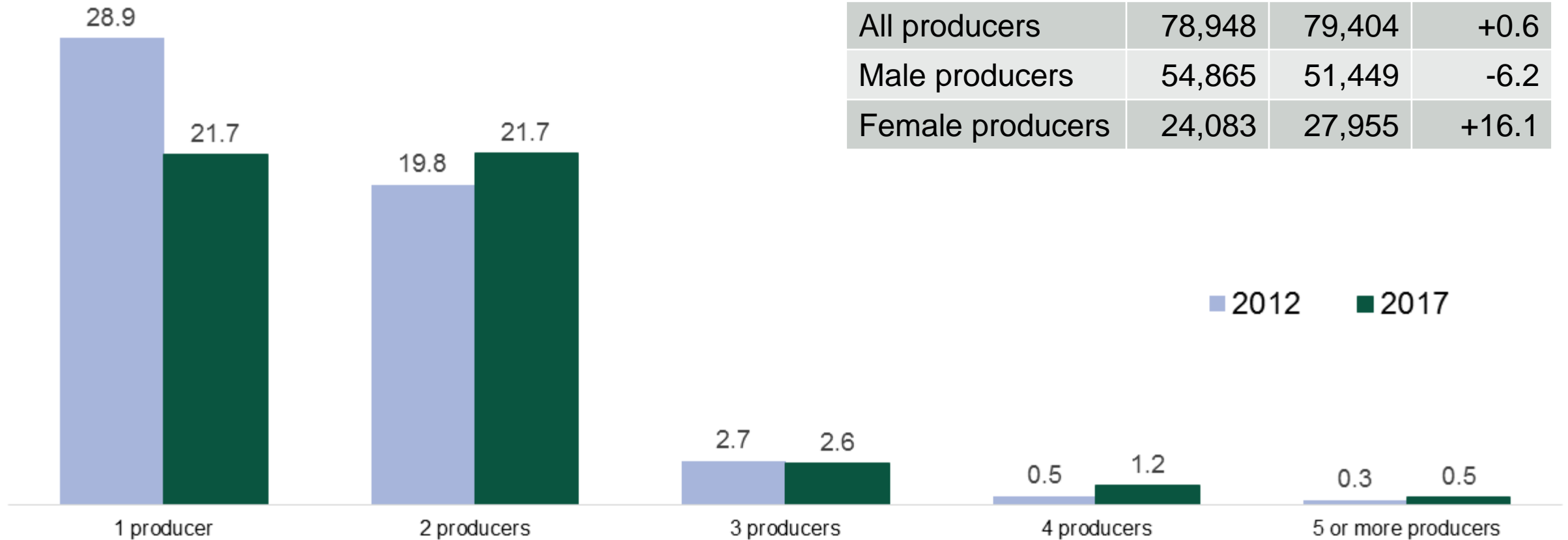
As a Percent of All, by County



Producers		
	With Military Service	All
Number	7,416	79,404
Average age	67.8	56.6
Farms		
Number	7,163	47,641
Average farm size (acres)	153	205
Average TVP	\$115,267	\$172,560

Farm Structure, 2012 and 2017

Farms by Number of Producers (thousands)



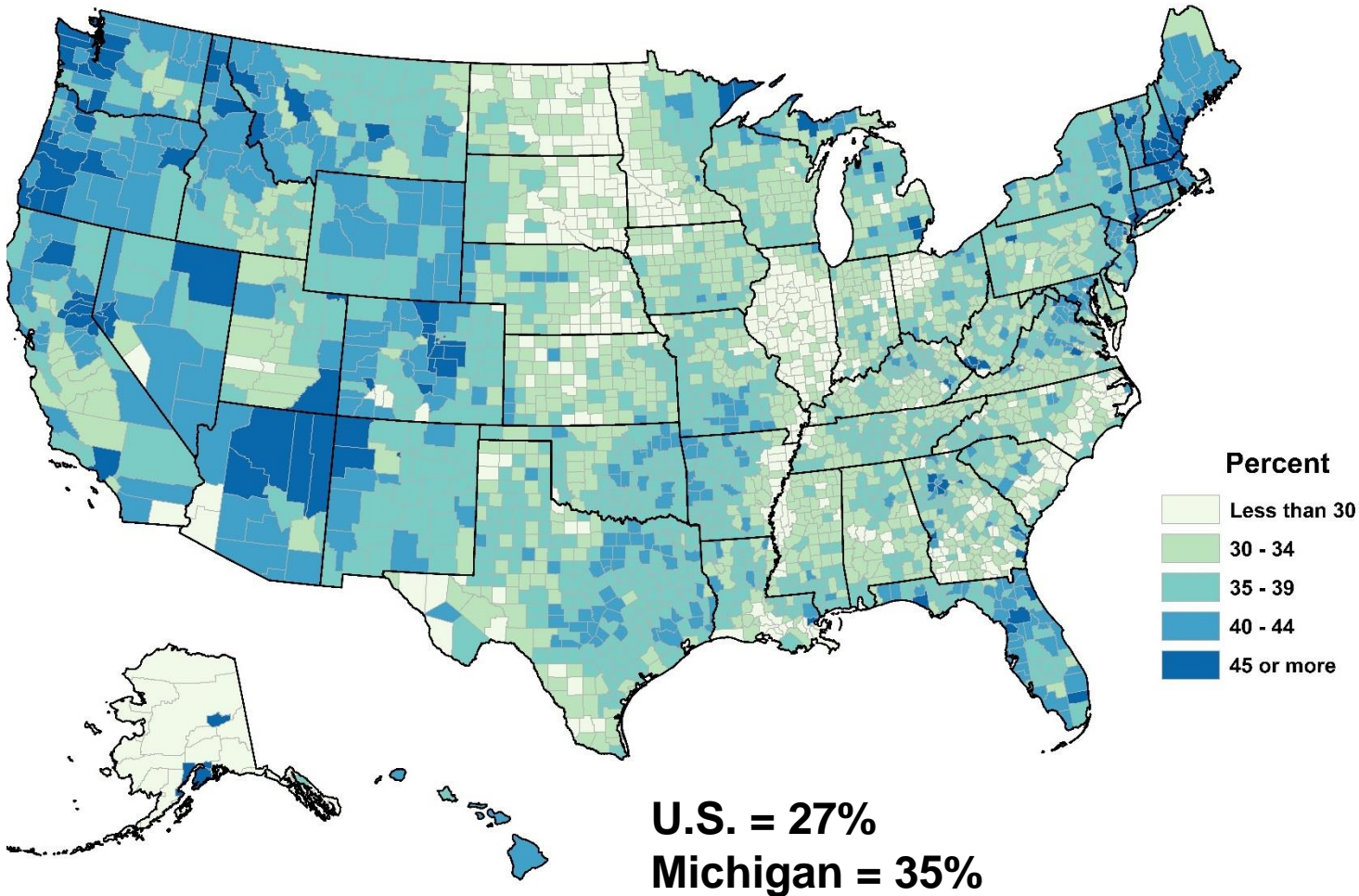
Producers by Sex

	2012	2017	% change
All producers	78,948	79,404	+0.6
Male producers	54,865	51,449	-6.2
Female producers	24,083	27,955	+16.1

■ 2012 ■ 2017

Operators and Partners by Sex, 2017

Female Operators as a Percent of Total

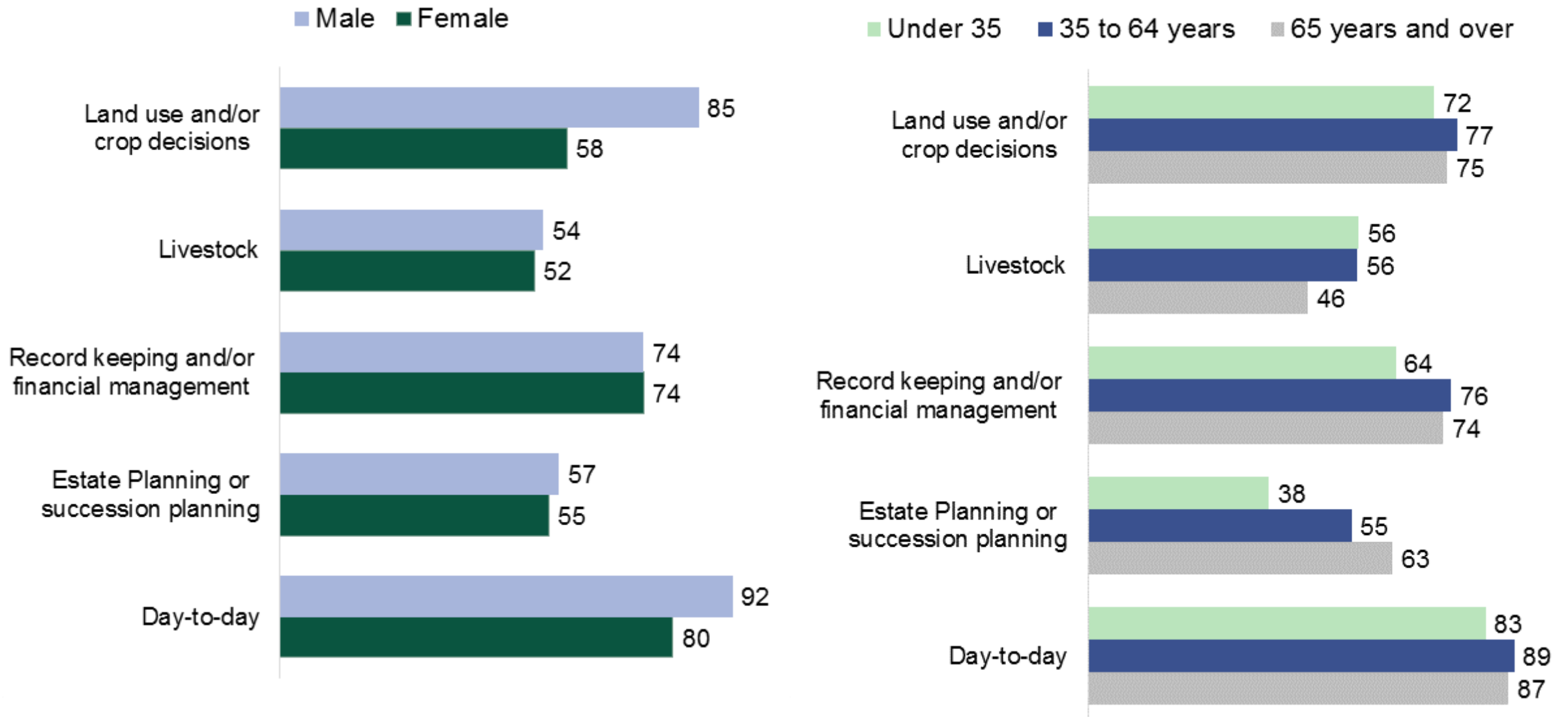


Producers		
	Female	Male
Number	27,955	51,449
Average age	55.9	57

Characteristics by Ethnicity and Race, 2017

Producers						
	Hispanic	American Indian or Alaska Native	Asian	Black	Native Hawaiian or Pacific Islander	White
Number	1,024	777	186	466	50	78,527
Average age	52.7	52.8	50.7	58.1	48.9	56.6
Farms						
Number	848	634	156	330	48	47,334
Average farm size (acres)	121	140	73	92	80	206
Average TVP	\$166,999	\$57,517	\$169,737	\$50,691	\$45,083	\$173,407

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



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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