



2017 Census of Agriculture Data Release

Maryland

Dale P. Hawks MD/DE State Statistician

Agenda

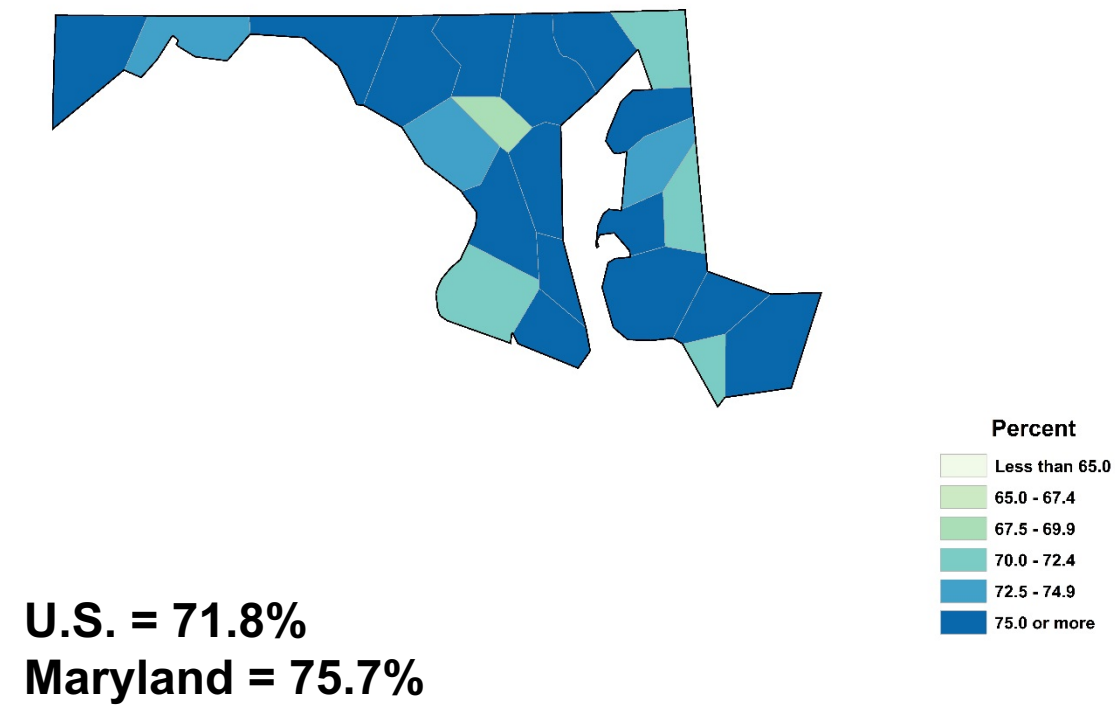
- Census Data Collection
- Farms and Ranches
- Economics
- Demographics
- Future Census Products
- New or additional information

History of the Census of Agriculture

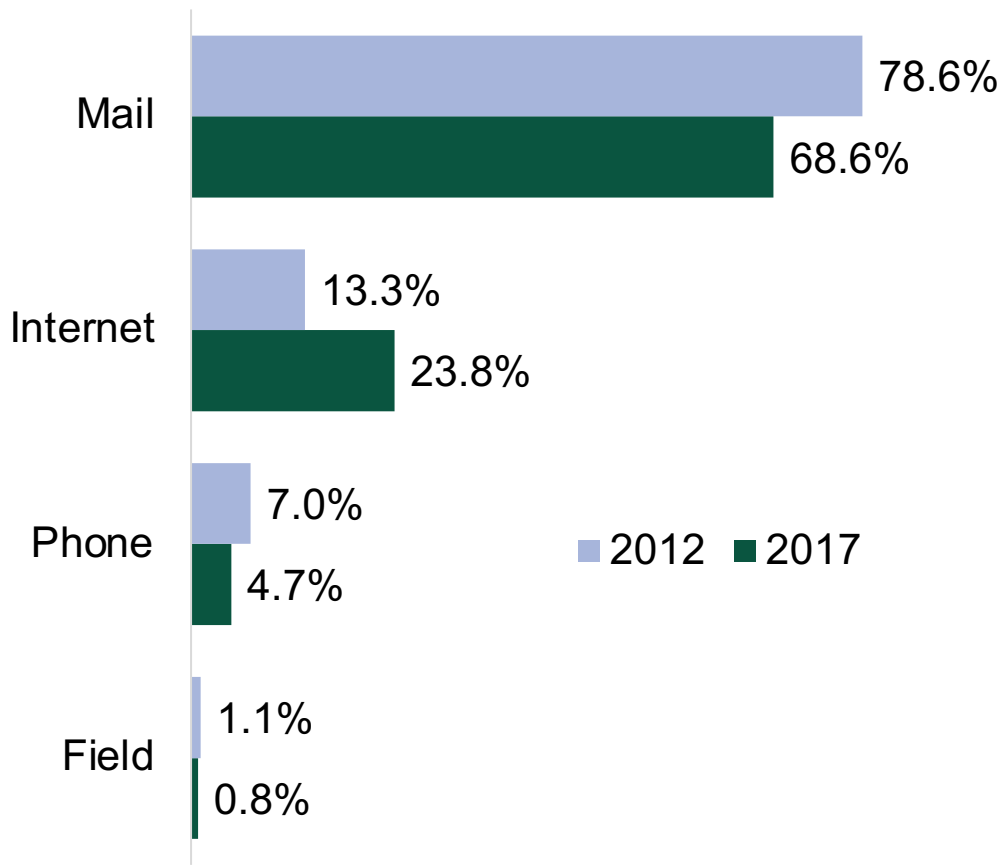
- The first Census of Agriculture was conducted in 1840 in 26 states and the District of Columbia
- 175 years later:
 - The 2017 Census of Agriculture is the 29th in the series, and the 5th conducted by NASS
 - In 1997 the Census was transferred from the Census Bureau to NASS
 - The Census encompasses 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. Return Rate by Mode, 2012 and 2017 (percent of returns)

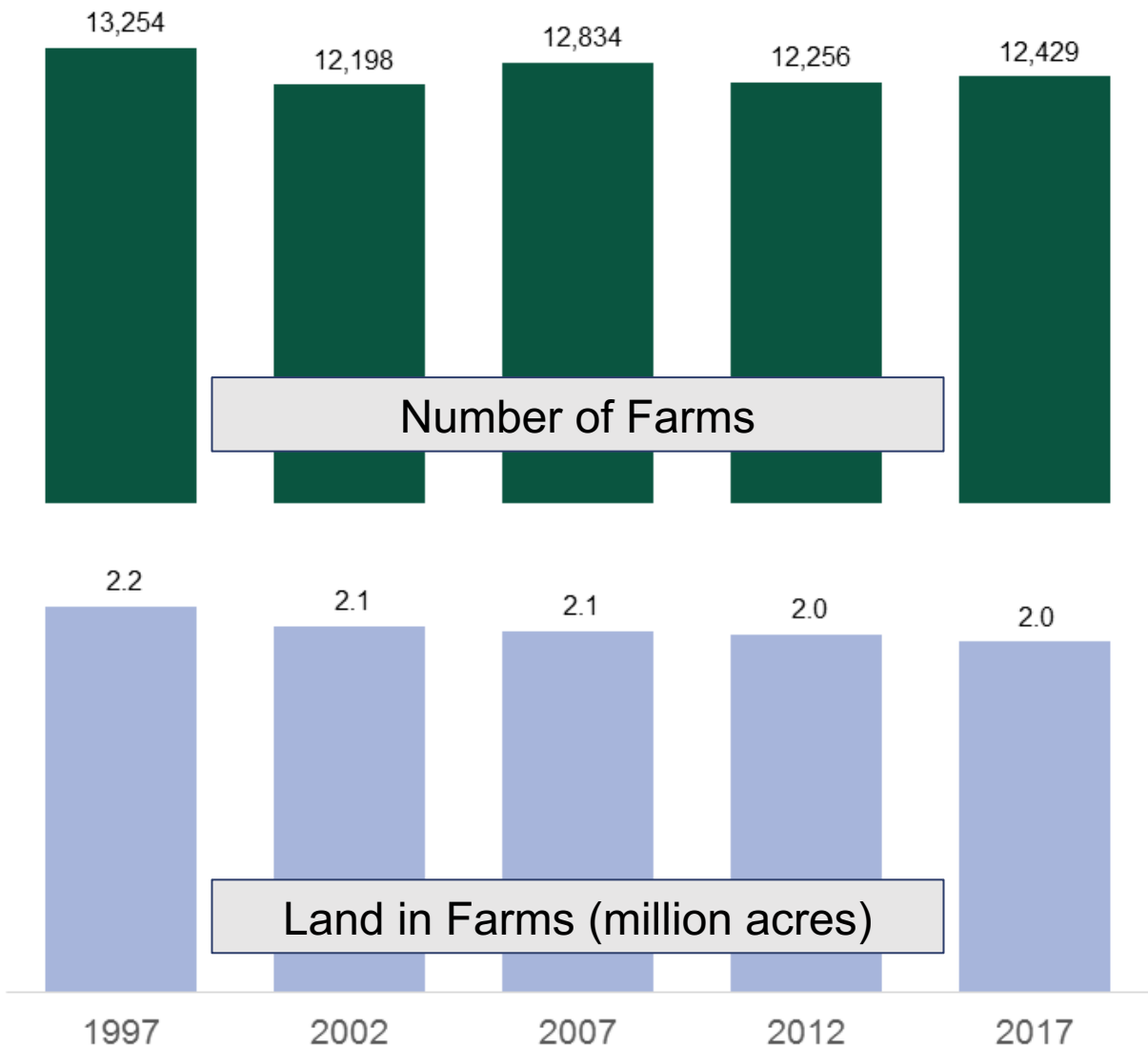


Farms and Land in Farms

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.”

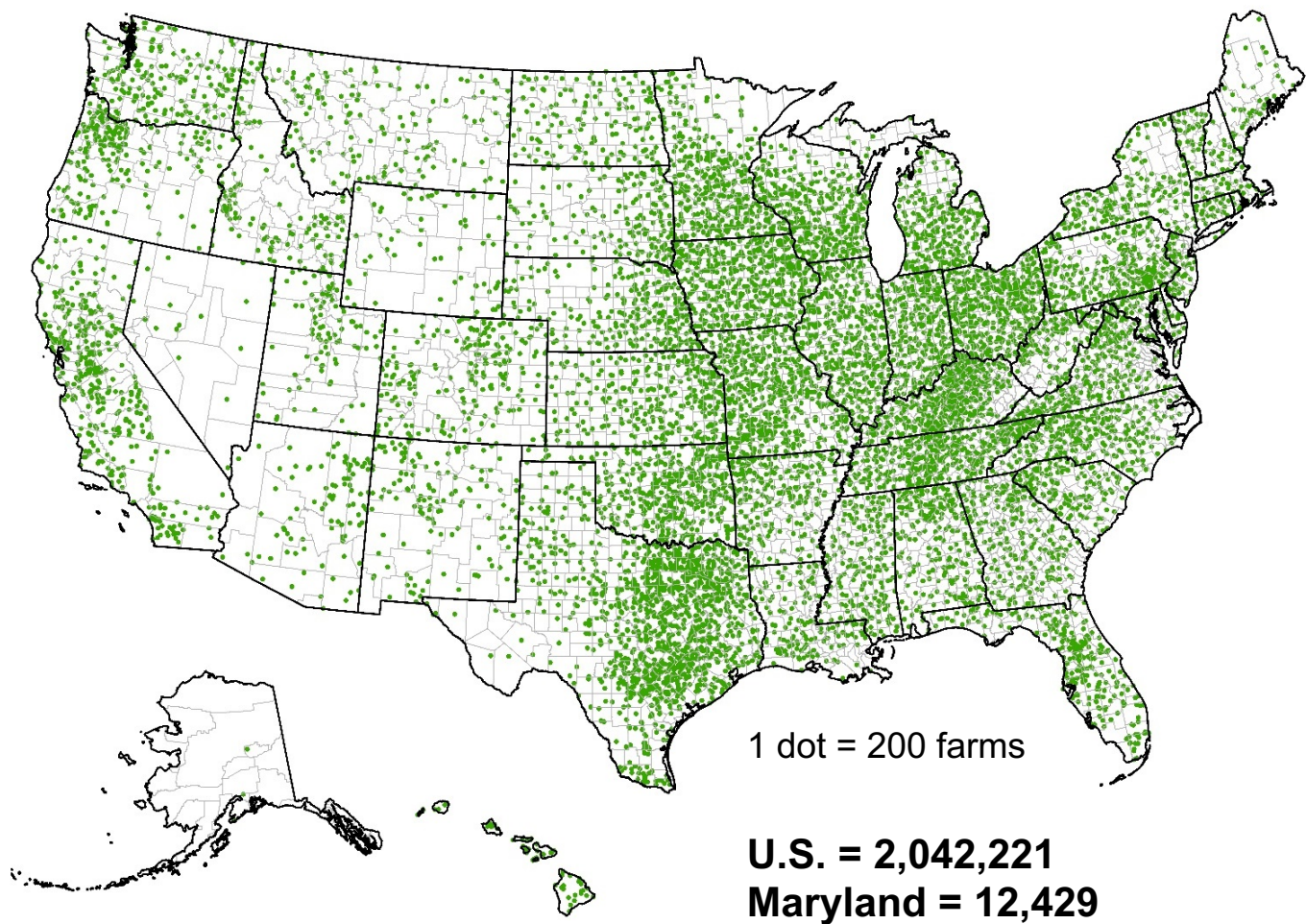
Number of Farms and Land in Farms, 1997-2017



2012	2017	% change
Number of Farms		
12,256	12,429	+1.4
Land in farms (million acres)		
2.0	2.0	-2.0
Average farm size (acres)		
166	160	-3.6

Number of Farms, 2017

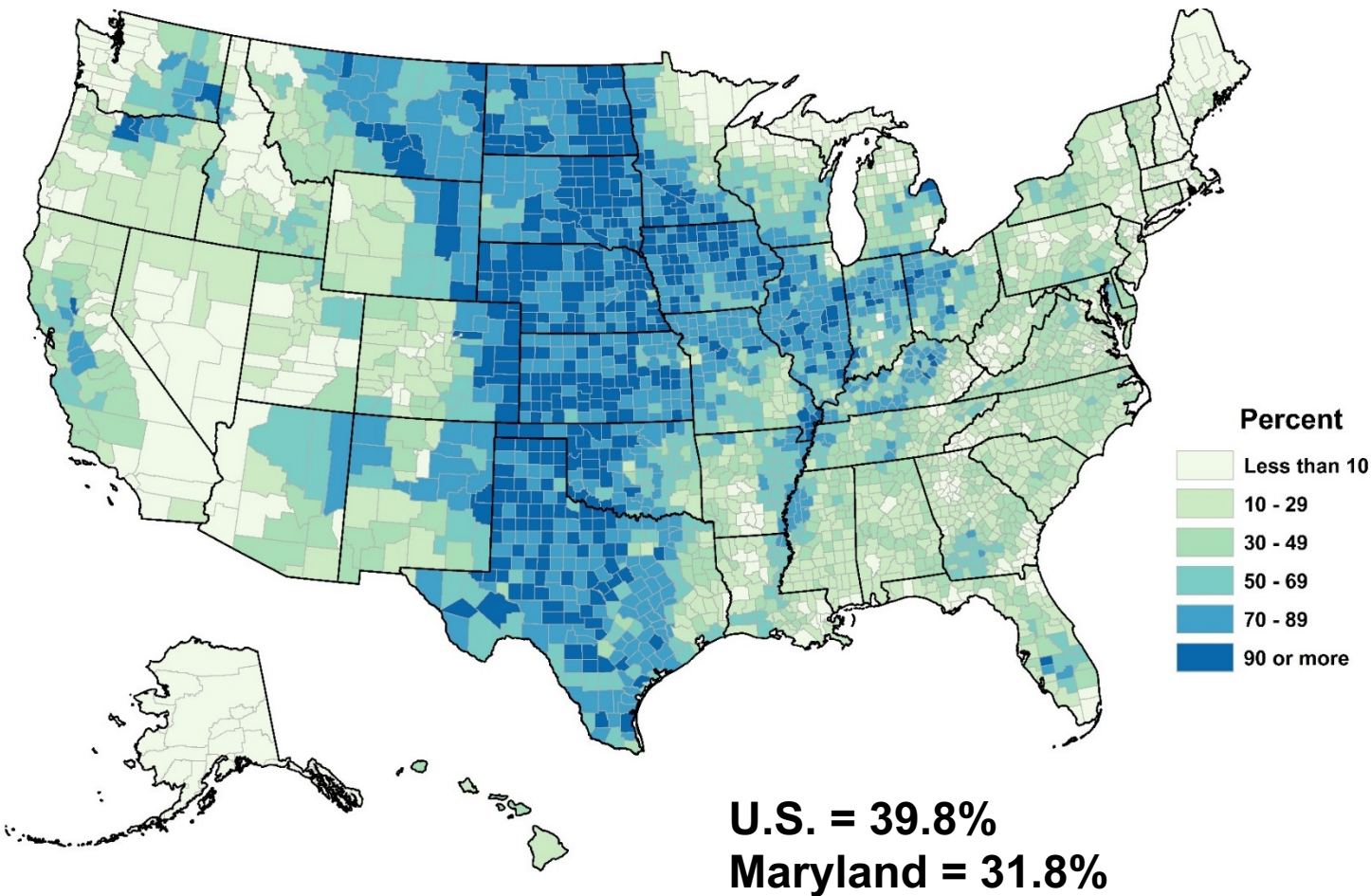
By County



Top 10 Counties	2017
Frederick	1,373
Carroll	1,174
Washington	877
Baltimore	708
Garrett	707
Harford	628
St. Mary's	615
Caroline	588
Montgomery	558
Cecil	533

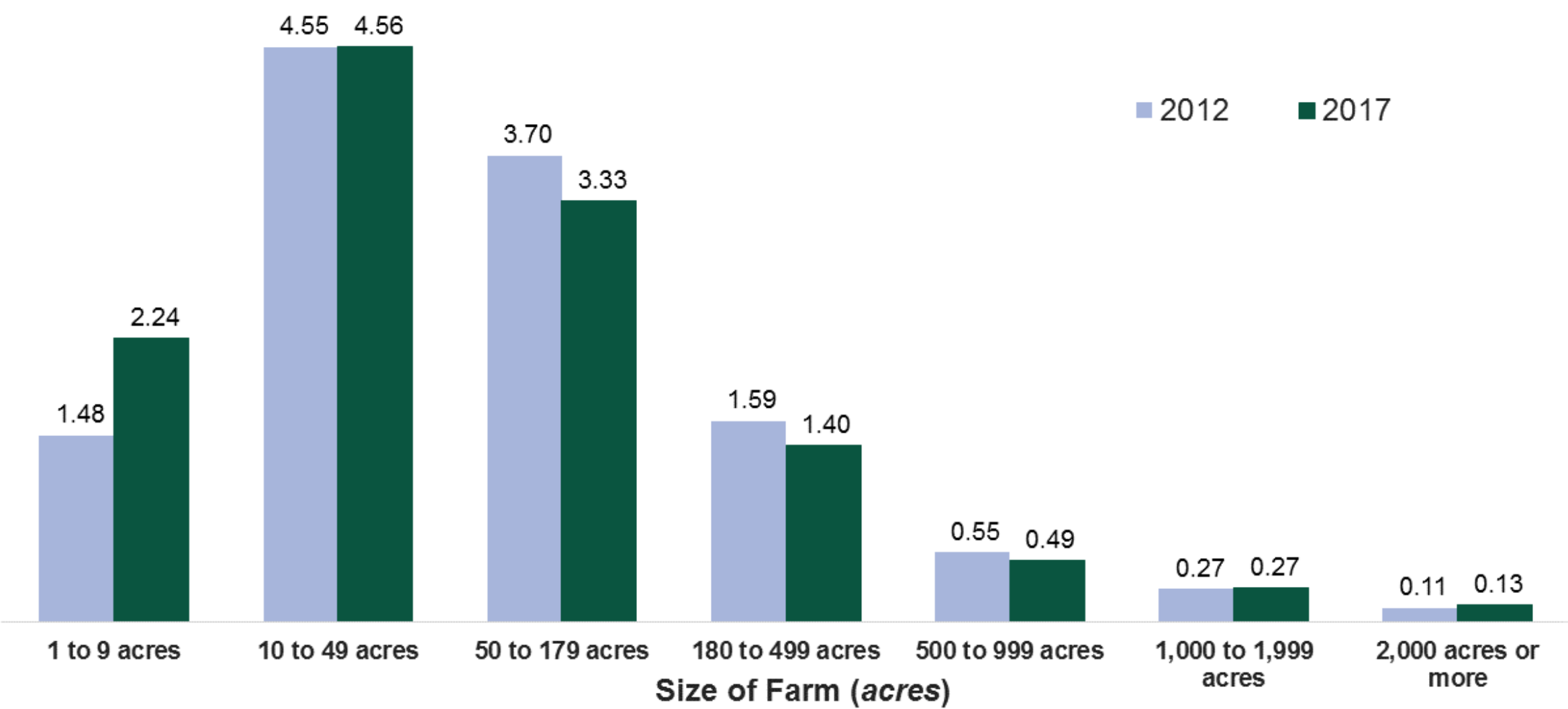
Land in Farms, 2017

As a Percent of Total, by County



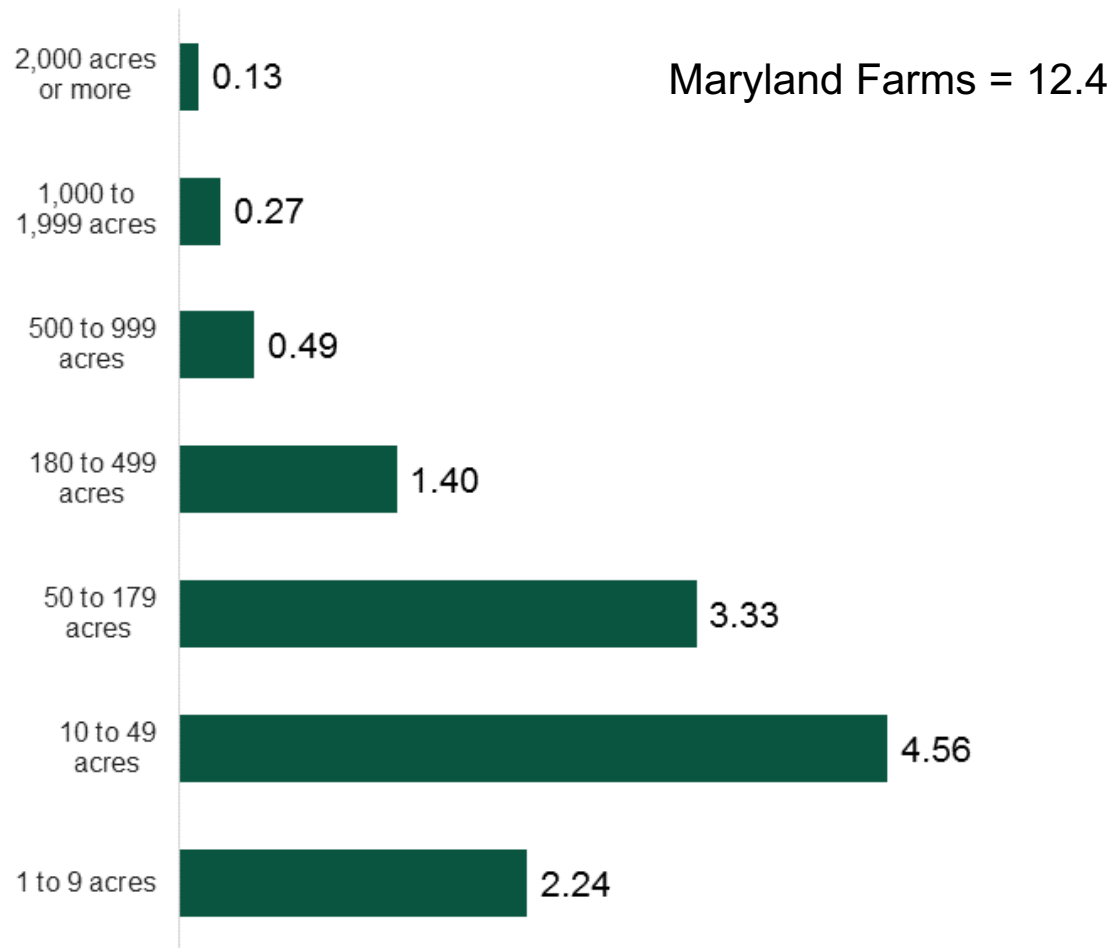
Type of Use	Acres (millions)
Total	2.0
Permanent Pasture	0.1
Cropland	1.4
<i>Harvested Cropland</i>	1.3
Woodland	0.3
Other	0.1

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

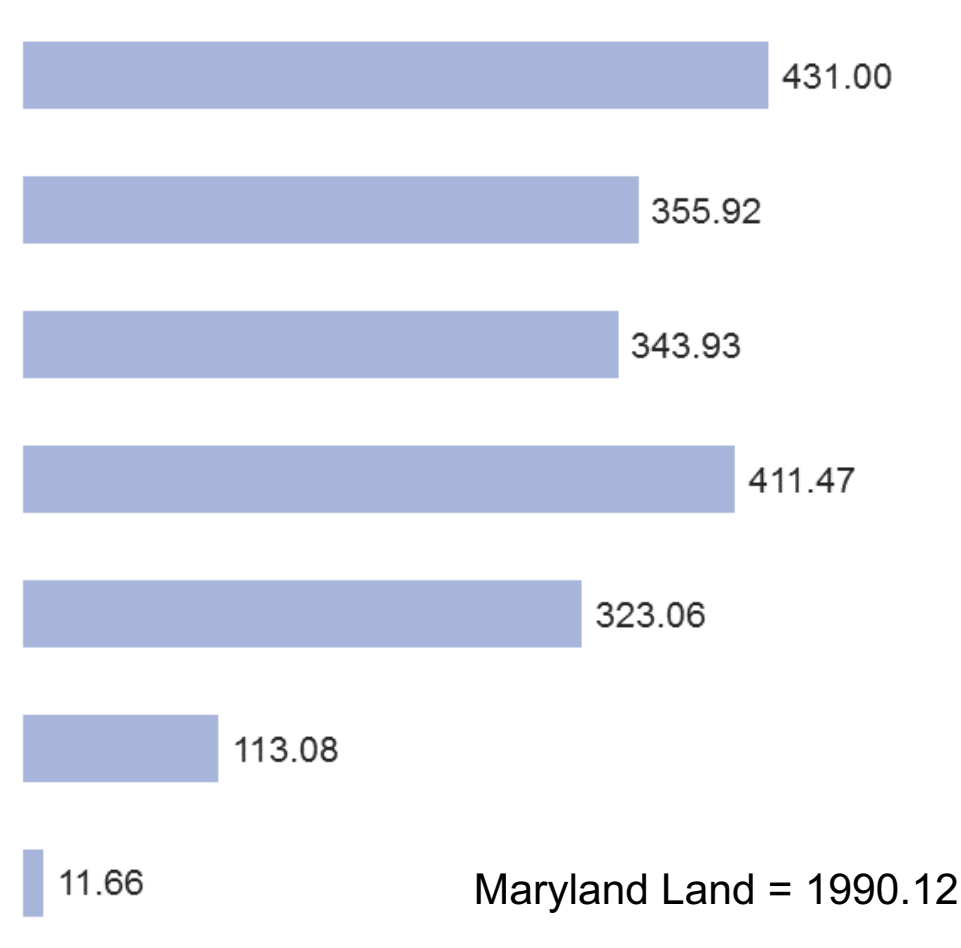


Number of Farms and Land in Farms, by Size Category, 2017

Number of Farms (thousands)



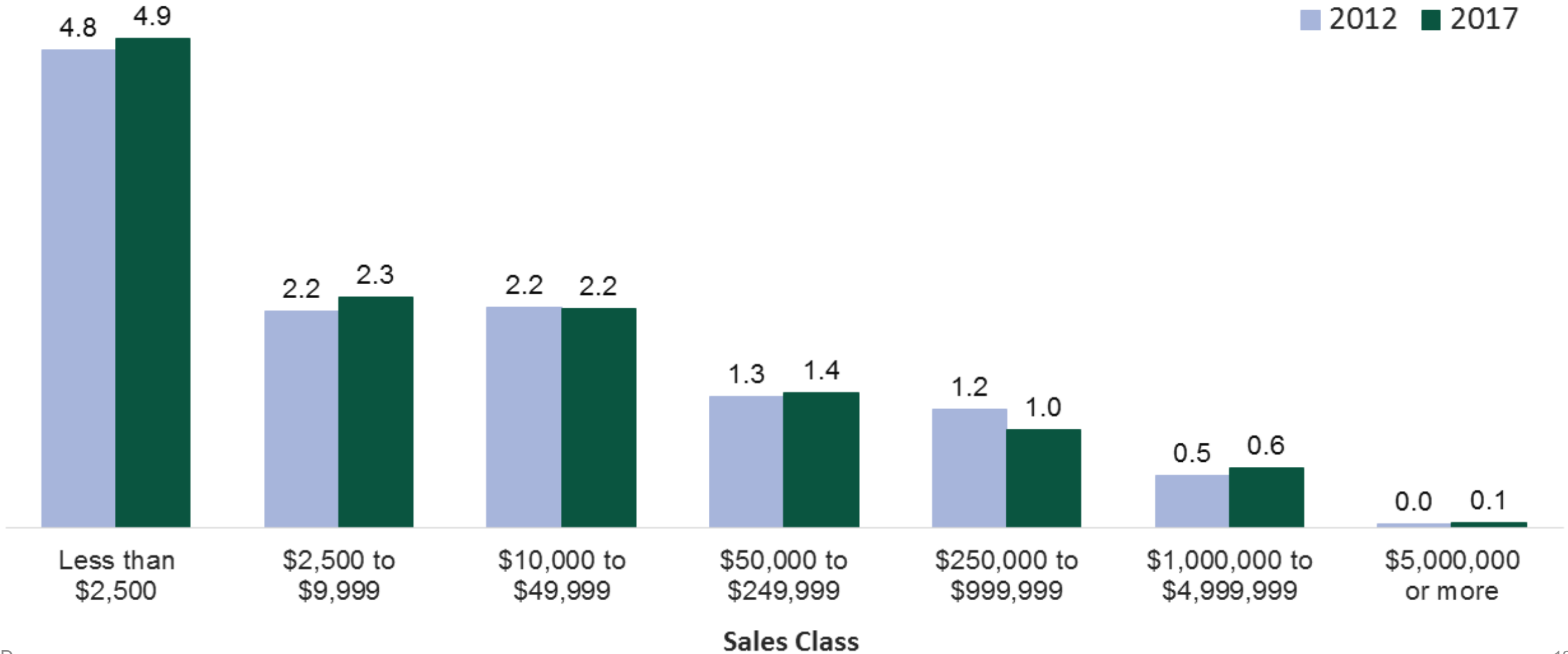
Land in Farms (thousand acres)



Economics

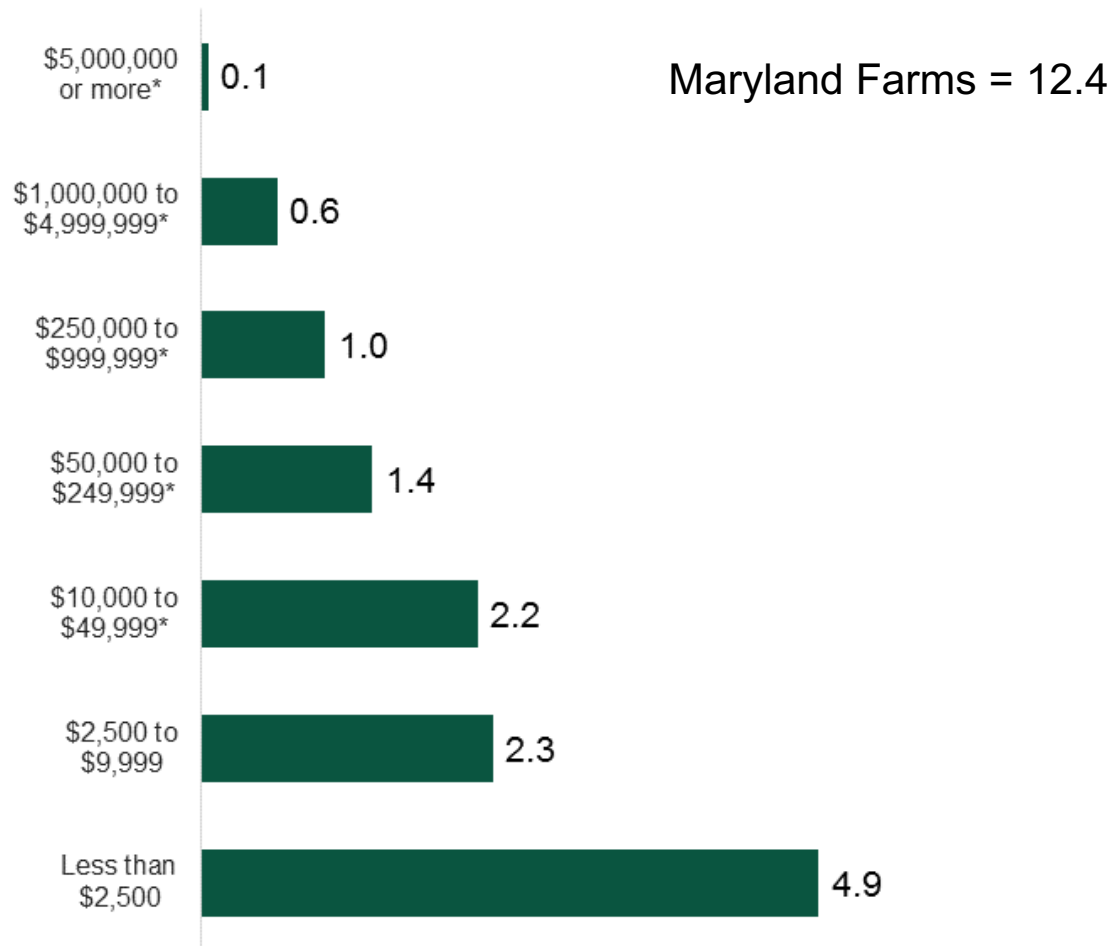
- Total Value of Agricultural Production
- Crop and Livestock Sales
- Farm Income

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

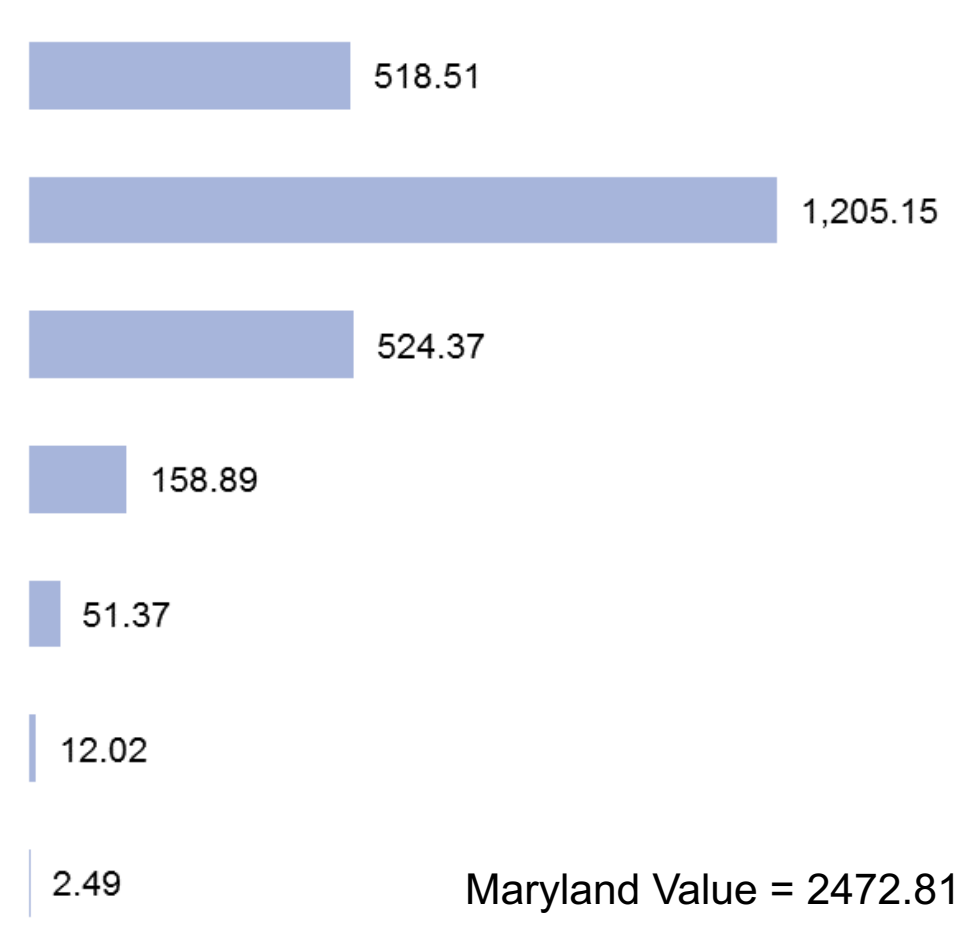


Farms and Value of Production, by Sales Category, 2017

Number of Farms (thousands)

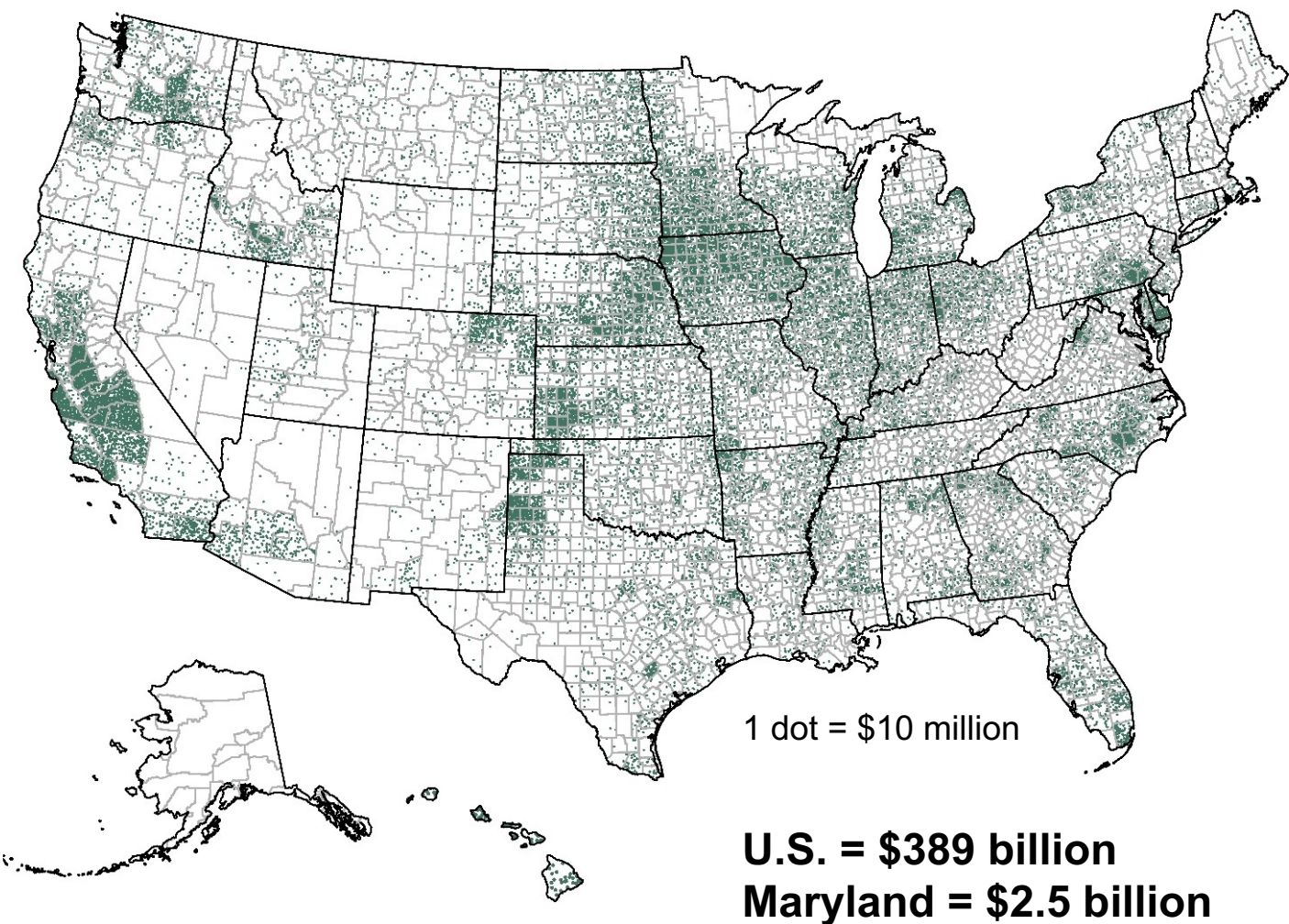


Value of Production (\$ millions)



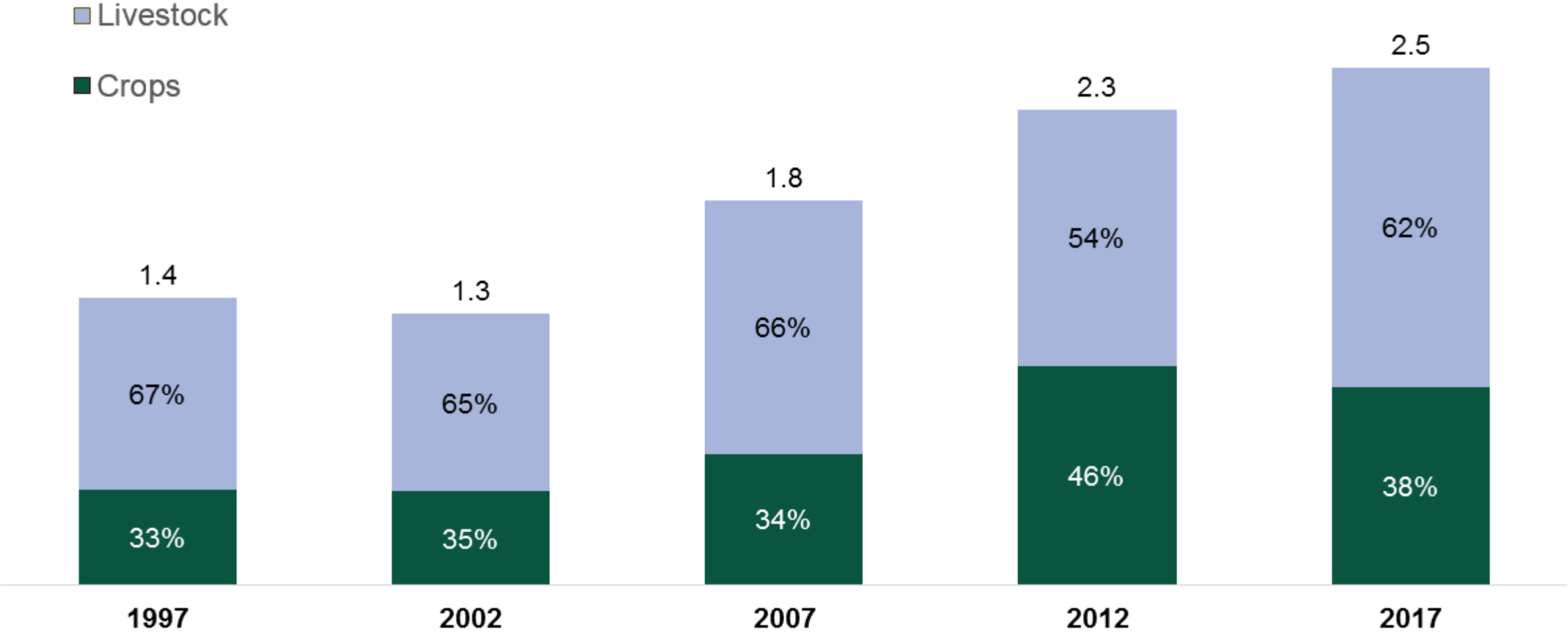
Total Value of Agricultural Production by Location, 2017

TVP by County



Top 10 Counties	TVP (\$ millions)
Wicomico	304
Caroline	277
Somerset	262
Worcester	249
Dorchester	189
Queen Anne's	181
Washington	154
Cecil	137
Frederick	132
Kent	111

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
Poultry and eggs	1,965	1,180,970	1	47.8
Milk from cows	389	174,468	4	7.1
Cattle and calves	2,517	75,040	5	3.0
Other animals and other animal products	457	42,260	8	1.7
Horses, ponies, mules, burros, and donkeys	574	22,715	10	0.9
Aquaculture	55	18,232	11	0.7
Hogs and pigs	509	7,250	12	0.3
Sheep, goats, wool, mohair, and milk	1,007	3,747	13	0.2

Ranking of Market Value of Ag Products Sold, 2017

Item	Farms	Sales (\$1,000)	Rank by Sales	Percent of Total Sales
Grains, oilseeds, dry beans, and dry peas	3,474	575,218	2	23.3
Nursery, greenhouse, floriculture, and sod	562	230,493	3	9.3
Vegetables, melons, potatoes, and sweet potatoes	964	71,357	6	2.9
Other crops and hay	3,253	43,917	7	1.8
Fruits, tree nuts, and berries	545	23,704	9	1.0
Cultivated Christmas trees and short rotation woody crops	113	2,021	14	0.1
Tobacco	40	1,416	15	0.1
Cotton and cottonseed	-	-	-	-

Farm Production Expenses, 2017 (\$ millions)

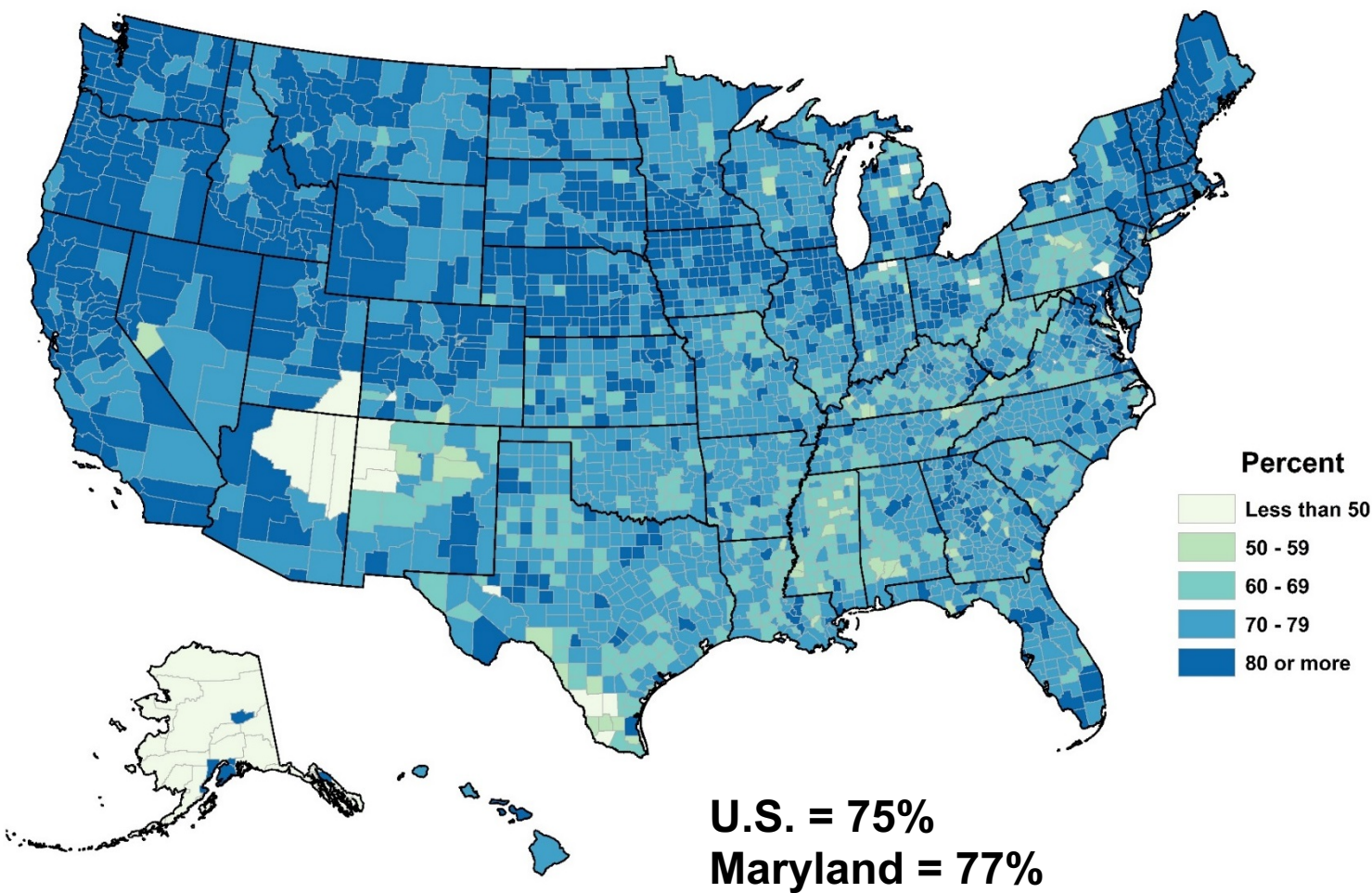
Farm Expenses	
Feed	539.1
Livestock purchased	27.5
Hired labor	248.5
Fertilizer	121.4
Cash rents	61.6
Seeds	123.5
Supplies and repairs	126.3
Chemicals	77.6
Fuels	72.4
Interest	62.4
Other	87.6

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

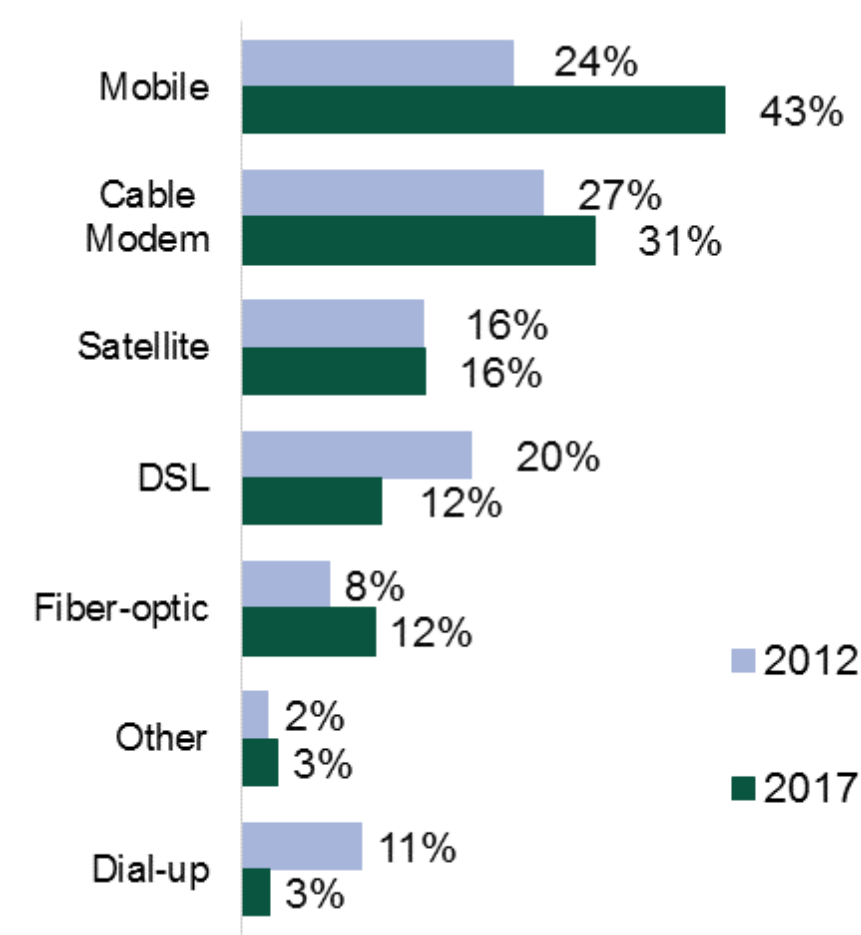
	2012	2017	% change
Value of ag products sold	2,271	2,473	+9
Government payments	36	44	+23
Farm-related income	110	110	+0
Production expenses	1,940	1,969	+1
Net income	477	659	+38
Per farm average net income (dollars)	\$38,920	\$52,997	+36

Farms with Internet Access

As a Percent of Total, by County, 2017



By Type, 2012 and 2017 (percent)

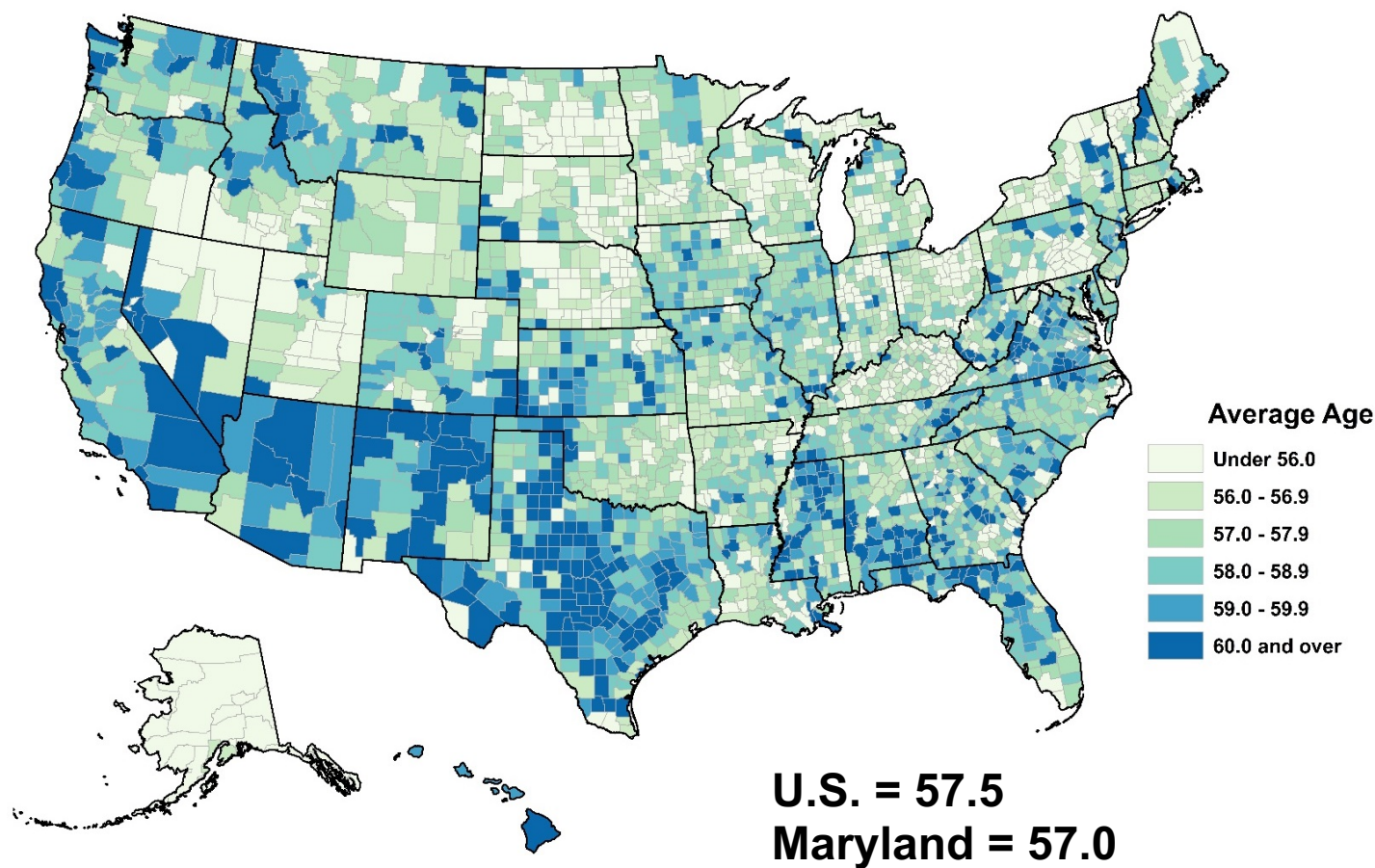


Demographics of Farm Producers

- 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

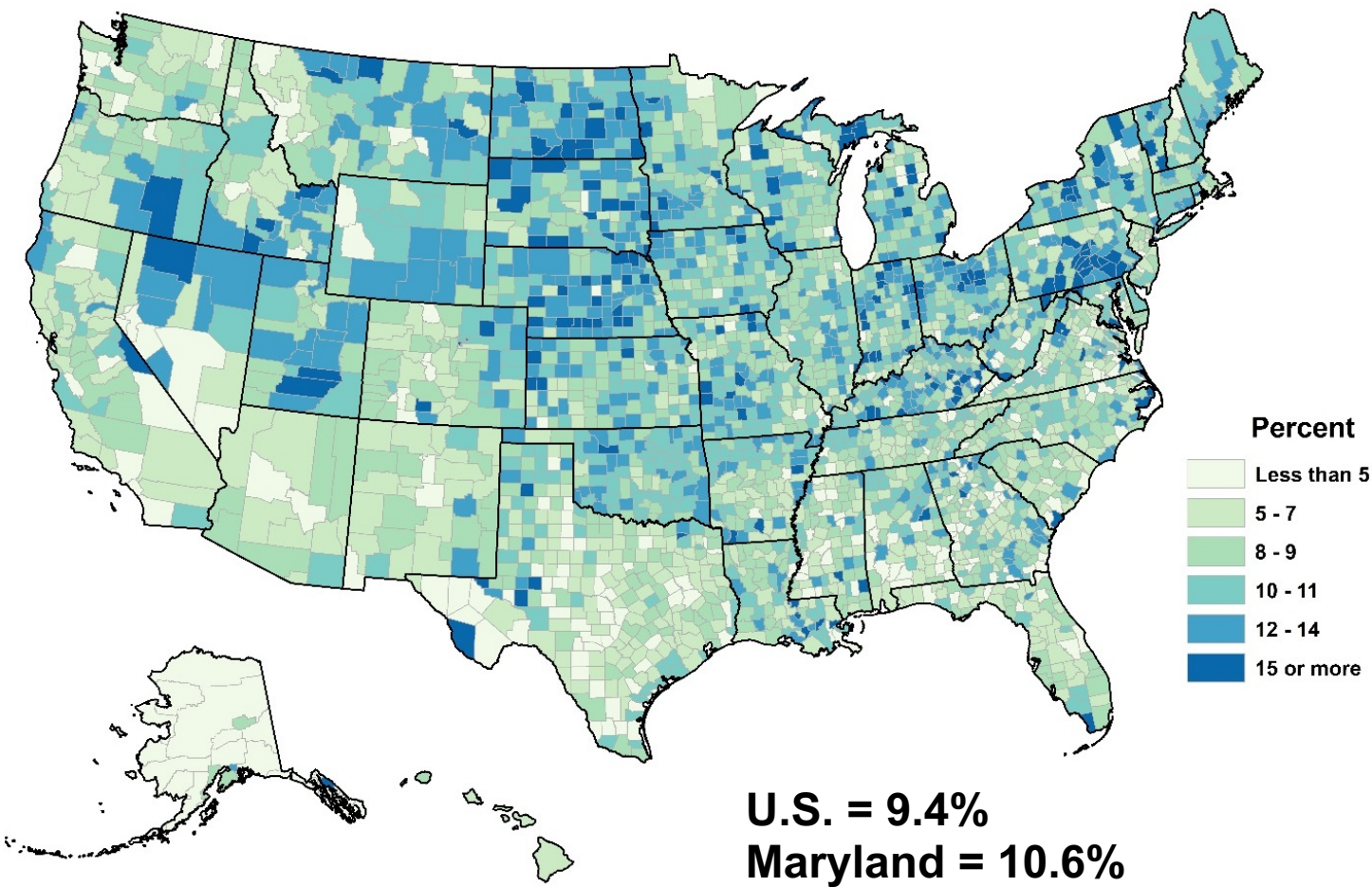


All Producers, 2007 - 2017

2007	54.6
2012	56.4
2017	57.0

Young Producers (Age 35 years or less), 2017

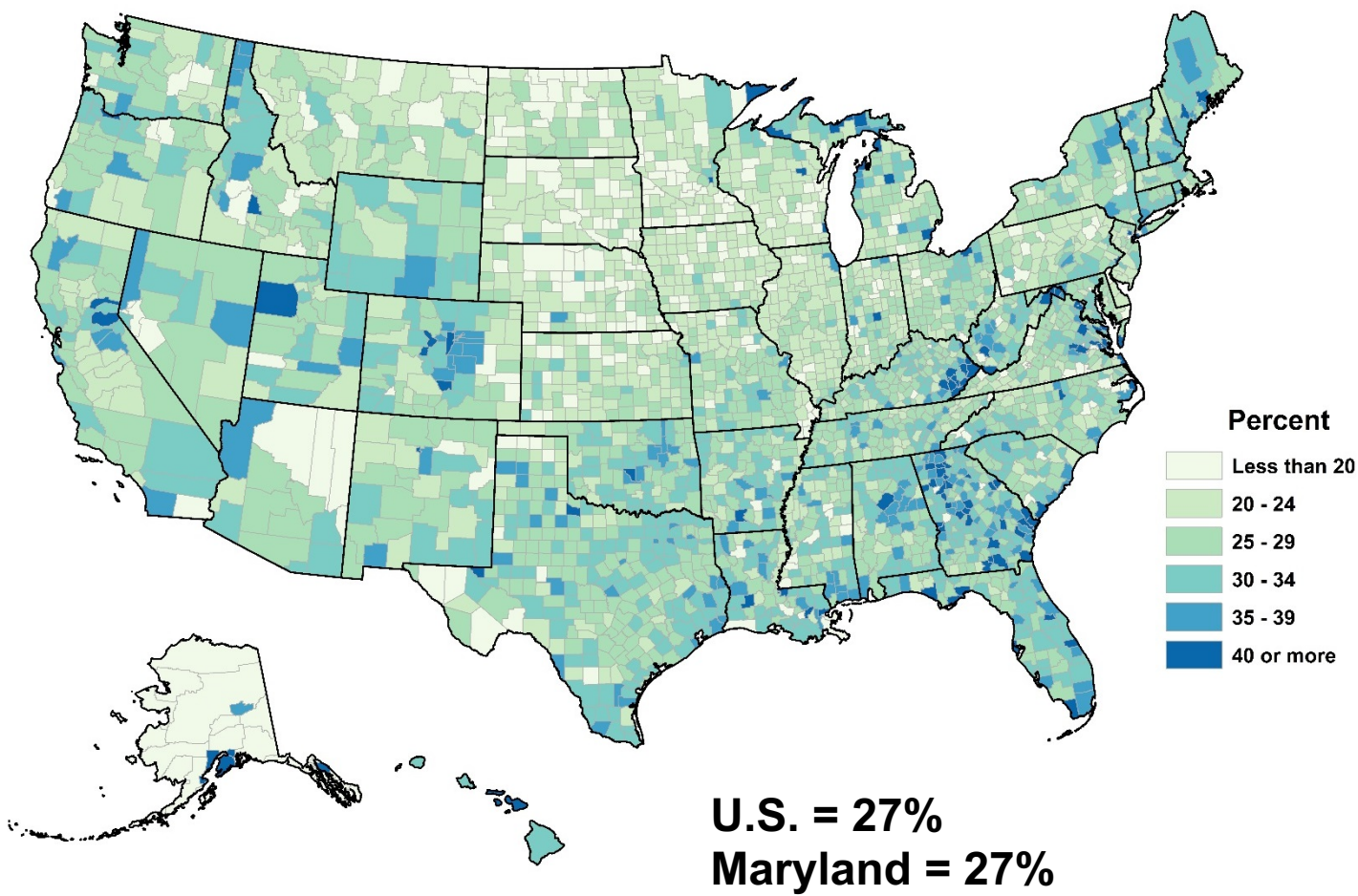
As a Percent of All, by County



Producers		
	Young	All
Number	2,262	21,279
Average age	28.6	57
Farms		
Number	1,676	12,429
Average farm size (acres)	167	160
Average TVP	\$284,027	\$198,954

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

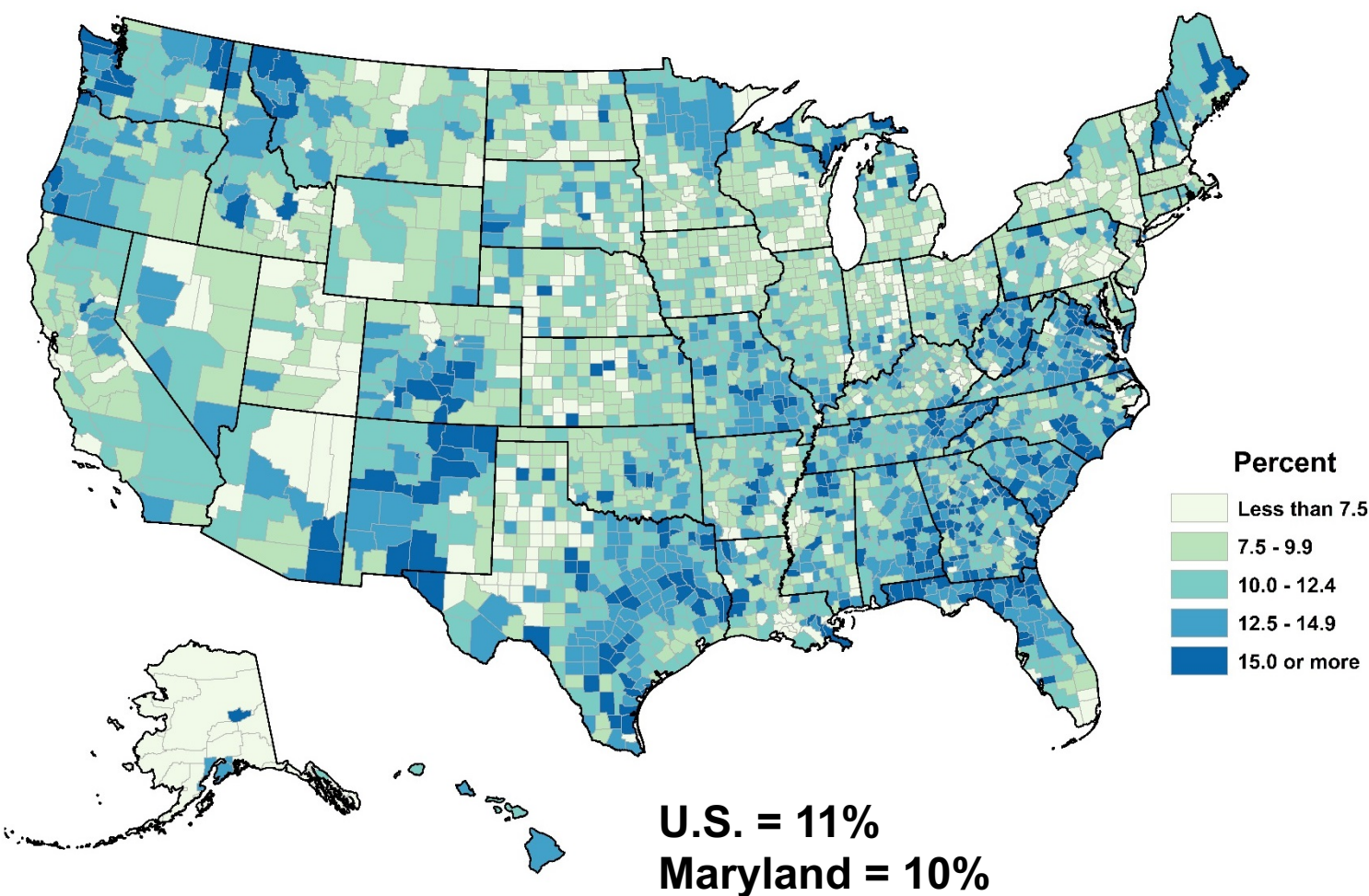
As a Percent of All, by County



Producers		
	New and Beginning	All
Number	5,764	21,279
Average age	45	57
Farms		
Number	3,667	12,429
Average farm size (acres)	104	160
Average TVP	\$171,771	\$198,954

Producers with Military Service, 2017

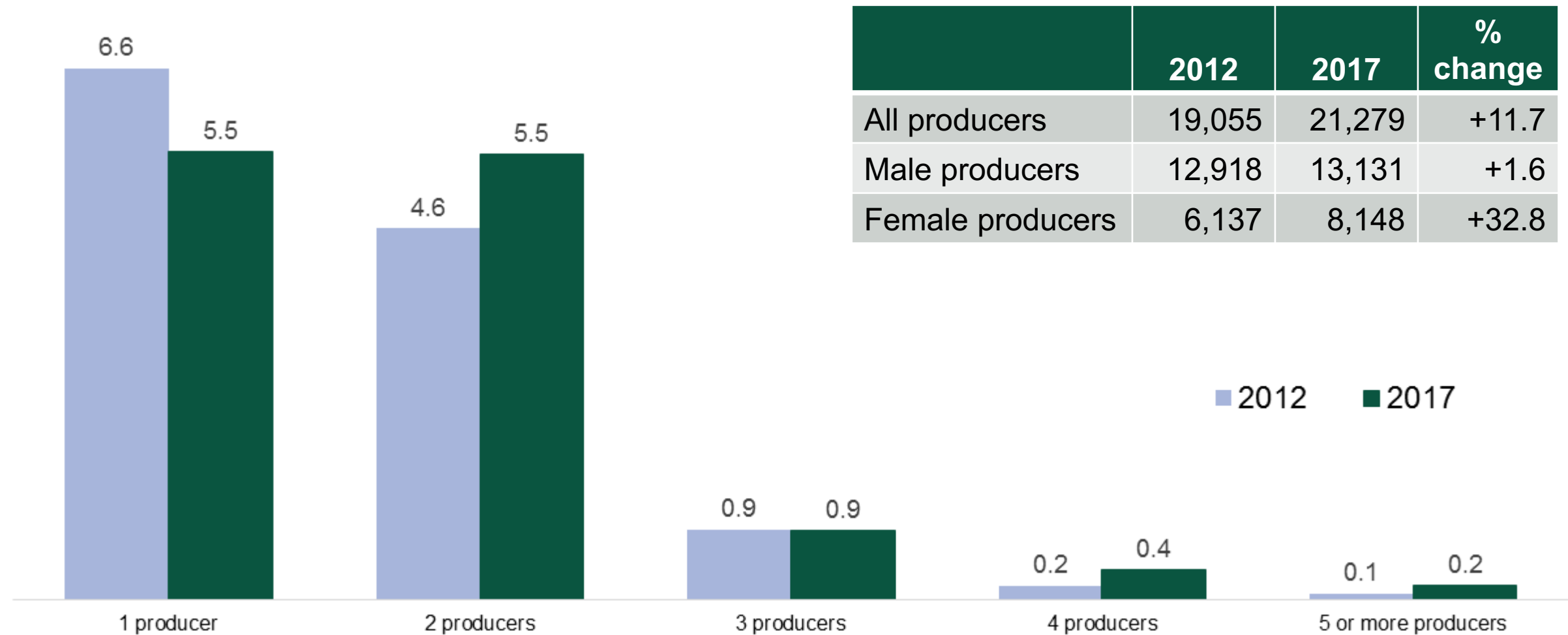
As a Percent of All, by County



Producers		
	With Military Service	All
Number	2,054	21,279
Average age	66.1	57
Farms		
Number	1,962	12,429
Average farm size (acres)	106	160
Average TVP	\$114,352	\$198,954

Farm Structure, 2012 and 2017

Farms by Number of Producers (thousands)

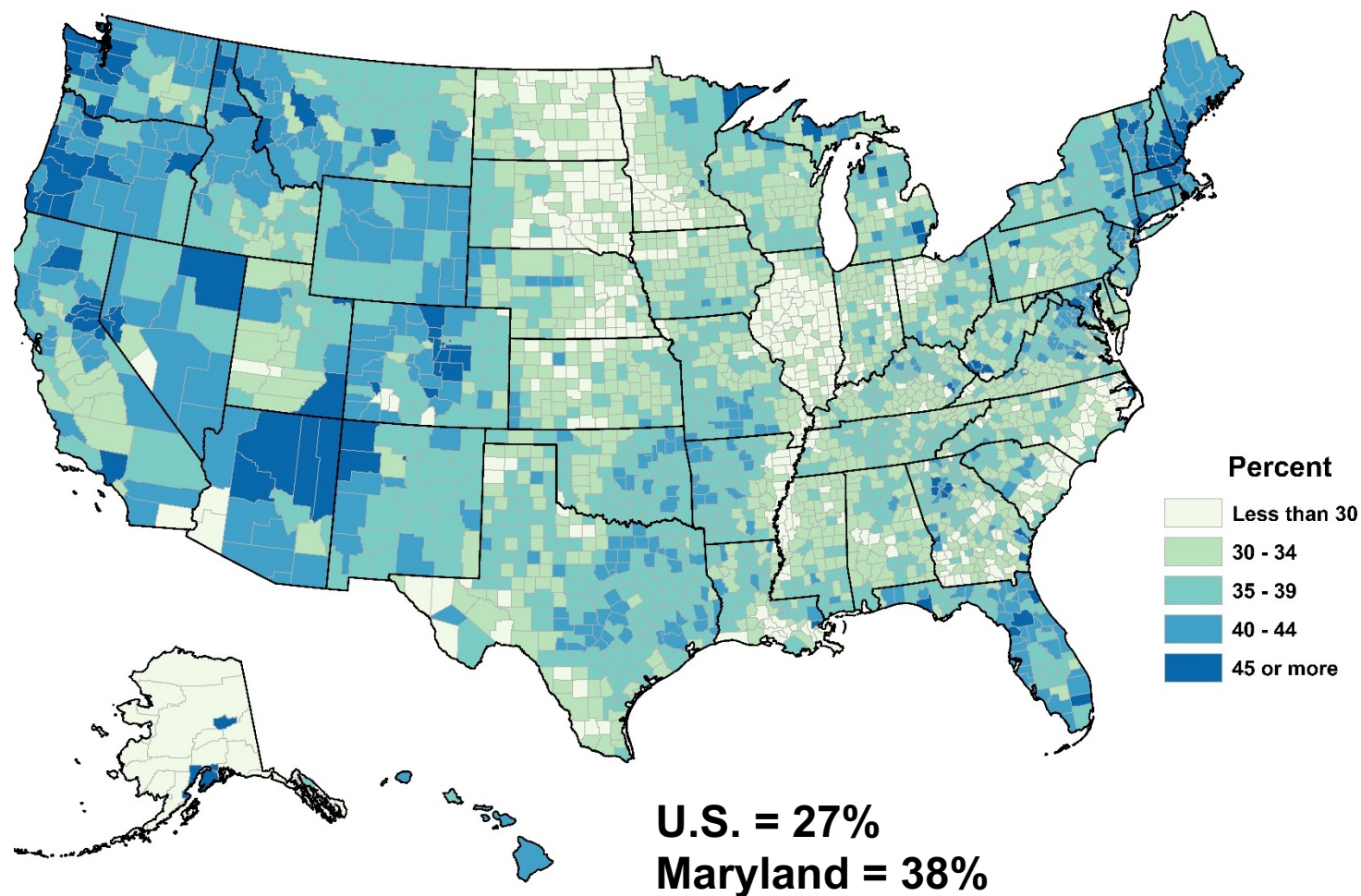


Producers by Sex

	2012	2017	% change
All producers	19,055	21,279	+11.7
Male producers	12,918	13,131	+1.6
Female producers	6,137	8,148	+32.8

Producers by Sex, 2017

Female Producers as a Percent of Total



Producers		
	Female	Male
Number	8,148	13,131
Average age	56.2	57.4
Farms		
Number	7,322	10,946
Average farm size (acres)	108	174
Average TVP	\$146,207	\$222,213

Characteristics by Ethnicity and Race, 2017

Producers

	Hispanic	American Indian or Alaska Native	Asian	Black	Native Hawaiian or Pacific Islander	White
Number	267	142	322	298	26	20,622
Average age	52.1	54.7	51.4	58.0	51.6	57.0

Farms

Number	247	113	209	221	24	12,106
Average farm size (acres)	70	51	52	45	14	164
Average TVP	\$152,814	\$60,150	\$1,125,378	\$49,348	\$440,667	\$186,555

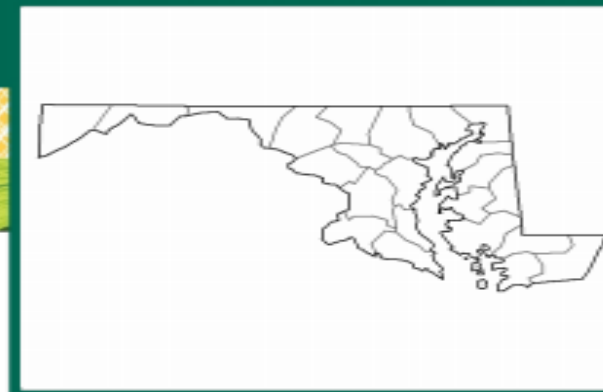
Upcoming Census Releases

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

2017 CENSUS OF AGRICULTURE State Profile



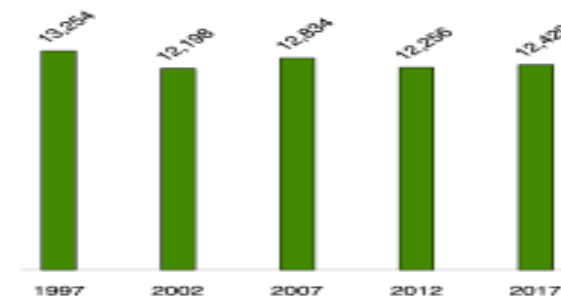
Maryland



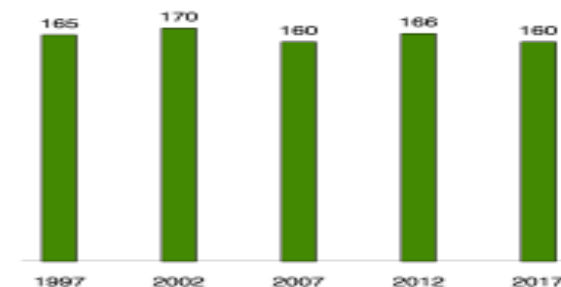
Total and Per Farm Overview, 2017 and change since 2012

	2017	% change since 2012
Number of farms	12,429	+1
Land in farms (acres)	1,990,122	-2
Average size of farm (acres)	160	-3
Total	(\$)	
Market value of products sold	2,472,805,000	+9
Government payments	44,410,000	+23
Farm-related income	110,281,000	(Z)
Total farm production expenses	1,968,797,000	+1
Net cash farm income	658,699,000	+38
Per farm average	(\$)	
Market value of products sold	198,954	+7
Government payments (average per farm receiving)	12,471	+60
Farm-related income	21,397	(Z)
Total farm production expenses	158,404	(Z)
Net cash farm income	52,997	+36

Number of Farms, 1997-2017



Average Farm Size, 1997-2017 (acres)



2017 CENSUS OF AGRICULTURE State Profile

Market Value of Agricultural Products Sold

	Sales (\$1,000)	Rank in U.S. ^b	States Producing Item
Total	2,472,805	36	50
Crops	948,125	36	50
Grains, oilseeds, dry beans, dry peas	575,218	27	50
Tobacco	1,416	14	18
Cotton and cottonseed	-	-	17
Vegetables, melons, potatoes, sweet potatoes	71,357	30	50
Fruits, tree nuts, berries	23,704	28	50
Nursery, greenhouse, floriculture, sod	230,493	21	50
Cultivated Christmas trees, short rotation woody crops	2,021	20	50
Other crops and hay	43,917	42	50
Livestock, poultry, and products	1,524,681	35	50
Poultry and eggs	1,180,970	16	50
Cattle and calves	75,040	40	50
Milk from cows	174,468	28	50
Hogs and pigs	7,250	33	50
Sheep, goats, wool, mohair, milk	3,747	39	50
Horses, ponies, mules, burros, donkeys	22,715	14	50
Aquaculture	18,232	21	50
Other animals and animal products	42,260	10	50

1 Percent of U.S. agriculture sales

Share of Sales by Type (%)

Crops	38
Livestock, poultry, and products	62

Land in Farms by Use (acres)

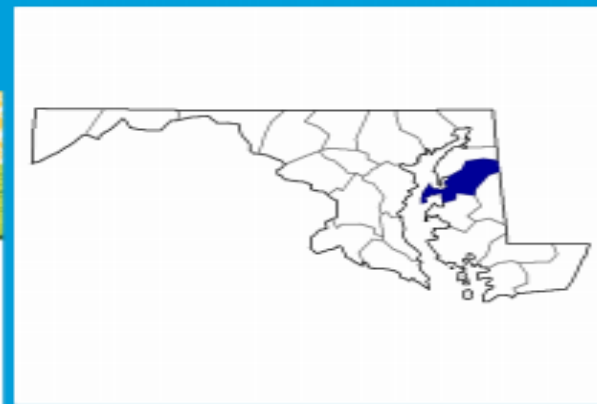
Cropland	1,426,671
Pastureland	133,321
Woodland	316,647
Other	113,483

Top Counties: Land in Farms (acres)

Frederick	188,576
Queen Anne S	163,001
Carroll	146,778
Kent	134,262
Dorchester	132,166



Queen Anne's County Maryland



Total and Per Farm Overview, 2017 and change since 2012

	2017	% change since 2012
Number of farms	483	-9
Land in farms (acres)	163,001	+4
Average size of farm (acres)	337	+14
Total	(\$)	
Market value of products sold	180,556,000	+8
Government payments	4,235,000	(Z)
Farm-related income	5,649,000	-29
Total farm production expenses	131,283,000	-5
Net cash farm income	59,158,000	+43
Per farm average	(\$)	
Market value of products sold	373,822	+19
Government payments (average per farm receiving)	14,808	+36
Farm-related income	20,177	-24
Total farm production expenses	271,807	+5
Net cash farm income	122,480	+57

7 Percent of state agriculture sales

Share of Sales by Type (%)

Crops	51
Livestock, poultry, and products	49

Land in Farms by Use (%) ^a

Cropland	83
Pastureland	1
Woodland	11
Other	4

Acres irrigated: 16,702

10% of land in farms

Land Use Practices (% of farms)

No till	39
Reduced till	18
Intensive till	16
Cover crop	31

2017 CENSUS OF AGRICULTURE *County Profile*

Market Value of Agricultural Products Sold

	Sales (\$1,000)	Rank in State ^b	Counties Producing Item	Rank in U.S. ^b	Counties Producing Item
Total	180,556	6	23	604	3,077
Crops	91,607	1	23	622	3,073
Grains, oilseeds, dry beans, dry peas	71,445	1	23	573	2,916
Tobacco	-	-	5	-	323
Cotton and cottonseed	-	-	-	-	647
Vegetables, melons, potatoes, sweet potatoes	3,409	6	23	423	2,821
Fruits, tree nuts, berries	461	11	23	684	2,748
Nursery, greenhouse, floriculture, sod	15,506	5	23	168	2,601
Cultivated Christmas trees, short rotation woody crops	32	12	20	429	1,384
Other crops and hay	754	14	23	2,110	3,040
Livestock, poultry, and products	88,949	7	23	585	3,073
Poultry and eggs	81,679	6	23	185	3,007
Cattle and calves	906	12	23	2,416	3,055
Milk from cows	5,564	8	18	577	1,892
Hogs and pigs	357	6	22	674	2,856
Sheep, goats, wool, mohair, milk	(D)	12	23	(D)	2,984
Horses, ponies, mules, burros, donkeys	326	11	22	661	2,970
Aquaculture	-	-	15	-	1,251
Other animals and animal products	(D)	15	22	(D)	2,878

Maryland

Volume 1, Complete Report, All Tables: [Text](#) | [PDF](#)

[Introduction](#) | [Maryland Map and Figures](#)

Table Number and Description

Table 1. Historical Highlights: 2017 and Earlier Census Years

 PDF

 Query Tool

Table 2. Market Value of Agricultural Products Sold Including Landlord's Share, Food Marketing Practices, and Value-Added Products: 2017 and 2012

 PDF

 Query Tool

Table 3. Economic Class of Farms by Market Value of Agricultural Products Sold and Government Payments: 2017 and 2012

 PDF

 Query Tool

Table 4. Farm Production Expenses: 2017 and 2012

 PDF

 Query Tool

Table 5. Net Cash Farm Income of the Operations and Producers: 2017 and 2012

 PDF

 Query Tool

Table 6. Federal Government Payments and Commodity Credit Corporation Loans: 2017 and 2012

 PDF

 Query Tool

Table 7. Income from Farm-Related Sources: 2017 and 2012

 PDF

 Query Tool

Table 1. Historical Highlights: 2017 and Earlier Census Years

[For meaning of abbreviations and symbols, see introductory text.]

All farms	2017	2012	2007	2002	1997	Not adjusted for coverage		
						1997	1992	1987
Farmsnumber	12,429	12,256	12,834	12,198	13,254	12,084	13,037	14,776
Land in farmsacres	1,990,122	2,030,745	2,051,756	2,077,630	2,193,063	2,154,875	2,223,476	2,396,629
Average size of farmacres	160	166	160	170	165	178	171	162
Estimated market value of land and buildings ¹ :								
Average per farmdollars	1,258,691	1,148,268	1,124,529	694,061	537,600	563,605	503,828	366,788
Average per acredollars	7,861	6,930	7,034	4,084	3,247	3,176	2,911	2,261
Estimated market value of all machinery and equipment ¹\$1,000	1,552,015	1,420,216	1,268,194	870,708	759,208	728,486	657,587	657,693
Average per farmdollars	124,871	115,879	98,823	74,526	57,316	60,176	50,564	44,656
Farms by size:								
1 to 9 acres	2,244	1,481	1,554	1,418	1,630	1,407	1,560	1,838
10 to 49 acres	4,559	4,554	4,589	4,412	4,500	3,828	3,979	4,400
50 to 179 acres	3,332	3,695	4,067	3,583	4,121	3,825	4,254	4,885
180 to 499 acres	1,402	1,594	1,719	1,836	2,022	2,038	2,252	2,591
500 to 999 acres	490	553	539	562	609	617	641	712
1,000 to 1,999 acres	269	265	255	277	276	274	266	284
2,000 acres or more	133	114	111	110	96	95	85	66
Total croplandfarms	9,233	9,278	10,235	10,188	11,487	10,702	11,605	13,200
Harvested croplandacres	1,426,671	1,396,144	1,405,442	1,487,218	1,617,860	1,613,497	1,663,907	1,744,891
Irrigated landfarms	7,783	7,530	8,278	8,335	10,027	9,474	11,960	11,960
.....acres	1,290,212	1,280,985	1,246,603	1,282,004	1,377,747	1,382,035	1,397,069	1,346,913
.....farms	1,318	1,220	1,326	1,265	1,198	1,154	1,063	1,074
.....acres	124,831	104,910	92,805	80,828	68,663	68,588	56,913	50,762
Market value of agricultural products sold (see text)\$1,000	2,472,805	2,271,397	1,835,090	1,293,303	1,371,374	1,312,086	1,169,331	989,061
Average per farmdollars	198,954	185,329	142,987	106,026	103,469	108,580	89,693	66,937
Crops, including nursery and greenhouse crops\$1,000	948,125	1,050,557	629,303	450,202	456,523	458,719	388,143	253,056
Livestock, poultry, and their products\$1,000	1,524,681	1,220,840	1,205,787	843,101	914,851	853,367	781,188	736,006
Farms by value of sales:								
Less than \$2,500	4,907	4,798	4,985	5,116	3,933	3,097	3,165	4,165
\$2,500 to \$4,999	1,218	966	1,248	1,199	1,517	1,365	1,642	1,948
\$5,000 to \$9,999	1,101	1,207	1,272	1,067	1,645	1,551	1,698	1,881
\$10,000 to \$24,999	1,379	1,226	1,469	1,319	1,776	1,688	1,822	2,012
\$25,000 to \$49,999	819	993	910	728	908	952	1,096	1,100
\$50,000 to \$99,999	653	545	691	670	829	854	904	1,084
\$100,000 to \$499,999	1,185	1,306	1,289	1,444	1,931	1,944	2,229	2,306
\$500,000 or more	1,167	1,215	970	655	715	653	481	280
Farms by legal status for tax purposes:								
Family or individual	10,263	10,132	10,609	10,577	11,308	10,229	11,129	12,738
Partnership	957	931	1,038	763	1,039	994	1,114	1,323
Corporation	970	975	977	726	812	771	709	619
Other - estate or trust, prison farm, grazing association, American Indian Reservation, etc.	239	218	210	132	95	90	85	96
Total farm production expenses ¹\$1,000	1,968,797	1,940,277	1,546,646	1,127,590	1,192,138	1,123,200	974,511	851,440



Update Grid

Census Chapter

1 - U.S./State Level Data

Census Table

1 - Historical Highlights

State

MARYLAND

County

Choose a County

Filter by Commodity

FARM OPERATIONS - NUMBER OF OPERATIONS

	2017	2012	2007	2002	
AREA OPERATED: (1.0 TO 9.9 ACRES)	2,244	1,481	1,554	1,418	
AREA OPERATED: (10.0 TO 49.9 ACRES)	4,559	4,554	4,589	4,412	
AREA OPERATED: (50 TO 179 ACRES)	3,332	3,695	4,067	3,583	
AREA OPERATED: (180 TO 499 ACRES)	1,402	1,594	1,719	1,836	
AREA OPERATED: (500 TO 999 ACRES)	490	553	539	562	
AREA OPERATED: (1,000 TO 1,999 ACRES)	269	265	255	277	
AREA OPERATED: (2,000 OR MORE ACRES)	133	114	111	110	
FARM OPERATIONS - ACRES OPERATED	1,990,122	2,030,745	2,051,756	2,077,630	
FARM OPERATIONS - AREA OPERATED, MEASURED IN ACRES / OPERATION	160	166	160	170	
AG LAND, INCL BUILDINGS - ASSET VALUE, MEASURED IN \$ / OPERATION	1,258,691	1,148,268	1,124,529	694,061	
AG LAND, INCL BUILDINGS - ASSET VALUE, MEASURED IN \$ / ACRE	7,861	6,930	7,034	4,084	
MACHINERY TOTALS - ASSET VALUE, MEASURED IN \$	1,552,015,000	1,420,216,000	1,268,194,000	870,708,000	
MACHINERY TOTALS - ASSET VALUE, MEASURED IN \$ / OPERATION	124,871	115,879	98,823	74,528	
AG LAND, CROPLAND - NUMBER OF OPERATIONS	9,233	9,278	10,235	10,188	
AG LAND, CROPLAND - ACRES	1,426,671	1,396,144	1,405,442	1,487,218	
AG LAND, CROPLAND, HARVESTED - NUMBER OF OPERATIONS	7,783	7,530	8,278	8,335	
AG LAND, CROPLAND, HARVESTED - ACRES	1,290,212	1,280,965	1,246,603	1,282,004	
AG LAND, IRRIGATED - NUMBER OF OPERATIONS	1,318	1,220	1,326	1,265	
AG LAND, IRRIGATED - ACRES	124,831	104,910	92,805	80,828	
COMMODITY TOTALS - SALES, MEASURED IN \$	2,472,805,000	2,271,397,000	1,835,090,000	1,293,303,000	
COMMODITY TOTALS - SALES, MEASURED IN \$ / OPERATION	198,954	185,329	142,987	106,026	
CROP TOTALS - SALES, MEASURED IN \$	948,125,000	1,050,557,000	629,303,000	450,202,000	

[Skip to Main Content](#)



United States Department of Agriculture
National Agricultural Statistics Service



Subscriptions: [National](#) | [State](#) | [News](#)

Search NASS:



[Data & Statistics](#) ▾

[Publications](#) ▾

[Newsroom](#) ▾

[Surveys](#) ▾

[Census](#)

[About NASS](#) ▾

[Contact Us](#) ▾

[Help](#) ▾

You are here: [Home](#) / [Newsroom](#) / Video Features

Statistics by State:



I Want To...

[Subscribe to News Releases](#)

[Learn about the NASS Web Feeds](#)

[Find NASS Media Contacts](#)

[Learn about the NASS Data Users' Forum](#)

[Learn about NASS Education and Outreach programs](#)

News Releases

Select a year



[Agricultural Statistics Board Notices](#)

NASS Videos

Pre-Census Data Release Videos



[How to find 2017 Census of Agriculture Data](#)



[What's New in the 2017 Census of Agriculture?](#)



[What you should know about the Census of Agriculture](#)

NASS Featured Videos





All Reports Available At
www.nass.usda.gov

For Questions
202-720-2127
800-727-9540
nass@nass.usda.gov

Dale P. Hawks, MD/DE State Statistician
dale.hawks@nass.usda.gov
410-841-5740