



# 2007 CENSUS *OF* **AGRICULTURE** **DATA RELEASE**



United States Department of Agriculture  
National Agricultural Statistics Service

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Director

February 4, 2009

National Agricultural Statistics Service

**Michigan Field Office**

in cooperation with the  
Michigan Department of Agriculture

# United States, State, & County Data



**Farms**

**Land in Farms**

**Farms by Size**

**Value of Sales**

**Farm Profile**

**Farm Irrigation**

**Organic Farms**

**Direct Marketing**

## Principal Operator Characteristics:

>Number of Persons Living in Household

>Number of Households Sharing Income

>Income from farm

>Days Worked Off Farm

>Internet Access

>Average Age of Principal Operator

>Diversity of Principal Operators

# Farm Definition

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**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.**



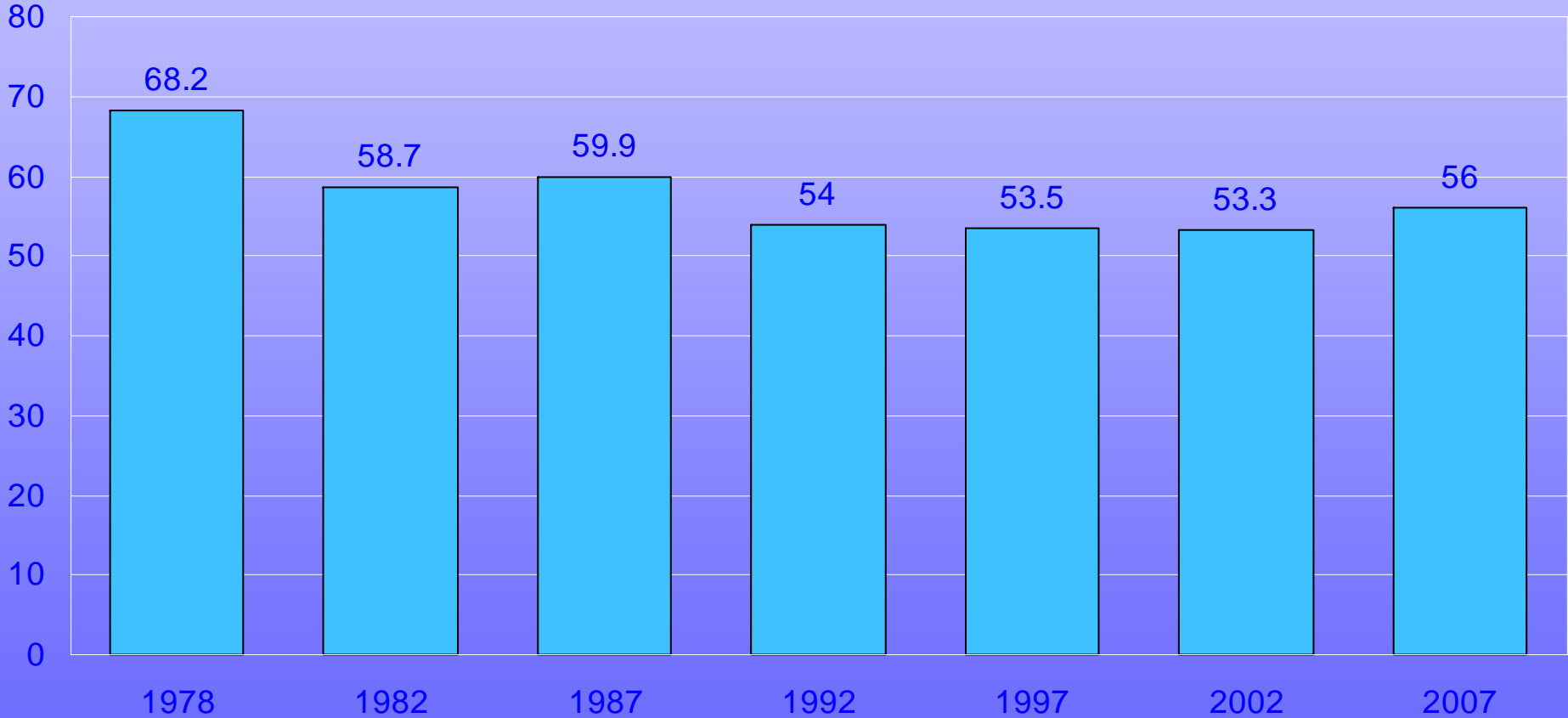
# Michigan Farms



	<u>2007</u>	<u>2002</u>	<u>1997</u>
<b>Farms</b>	<b>56,014</b>	<b>53,315</b>	<b>53,519</b>
<b>Land in Farms</b> (million acres)	<b>10.0</b>	<b>10.1</b>	<b>9.9</b>
<b>Average Farm Size</b> (acres)	<b>179</b>	<b>190</b>	<b>195</b>

# Michigan Number of Farms: 1978-2007

Thousand Farms

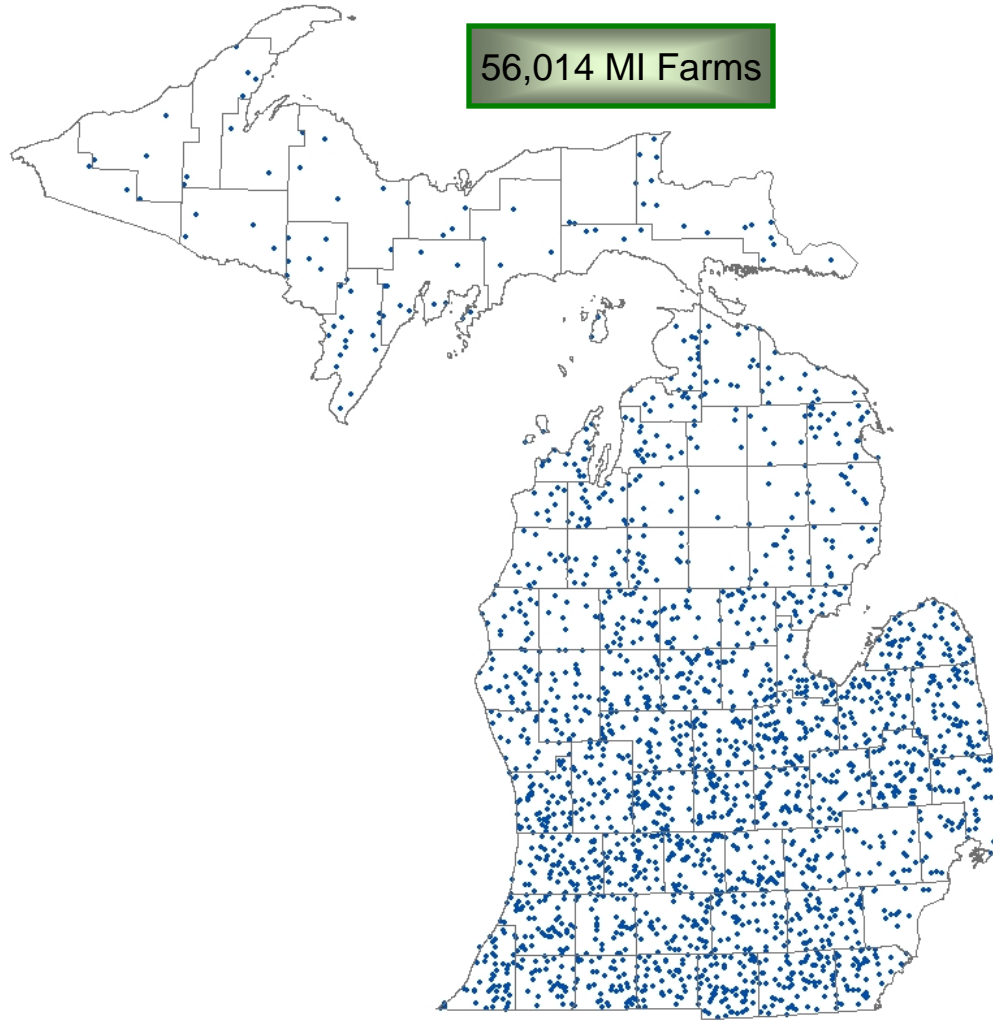


Farm counts include missed and misclassified farms, except in 1982.



## Census 2007 Number of Farms

56,014 MI Farms



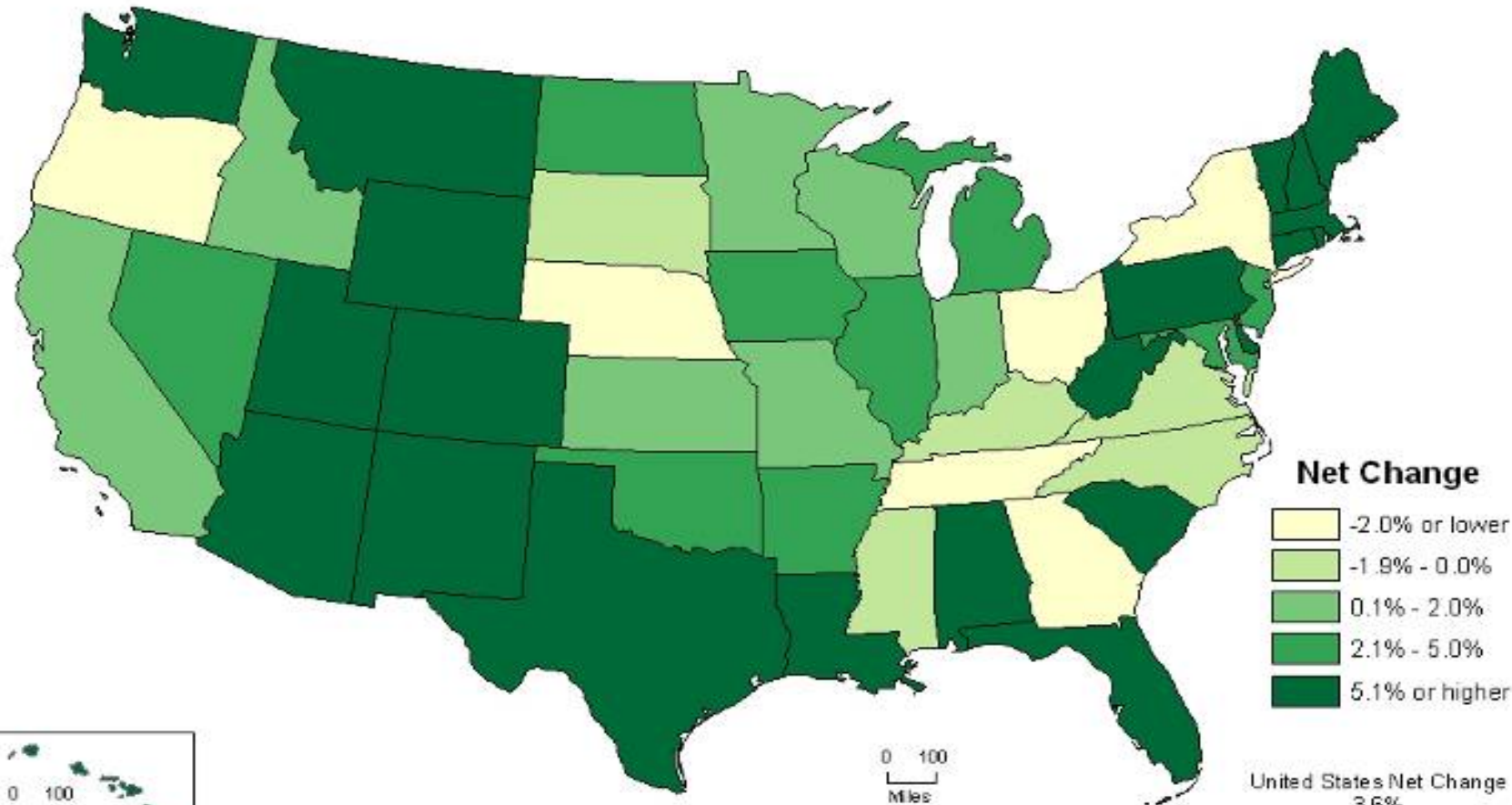
1 Dot = 25 Farms



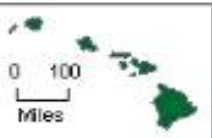
0 200  
Miles



## Change in Number of Farms: 2002 to 2007



0 100  
Miles

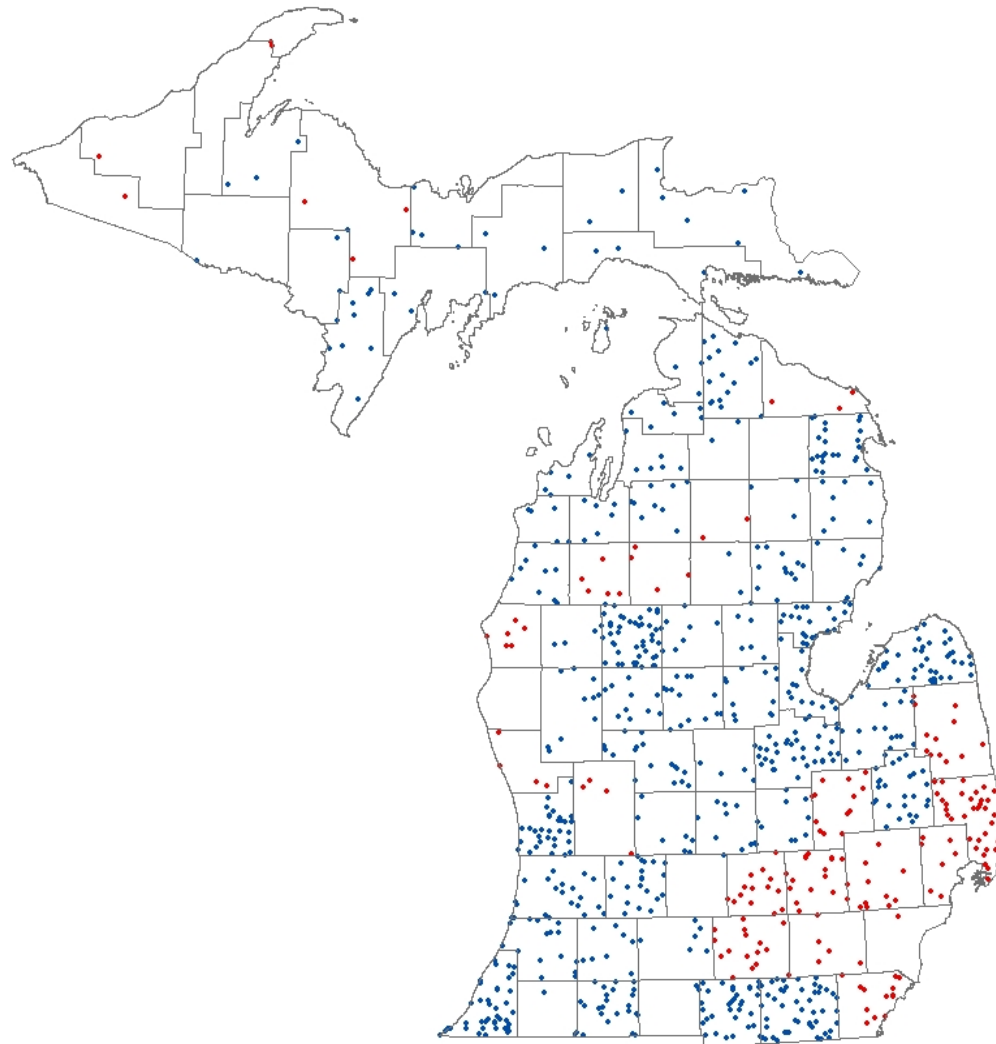


2007 Census of Agriculture

U.S. Department of Agriculture, National Agricultural Statistics Service



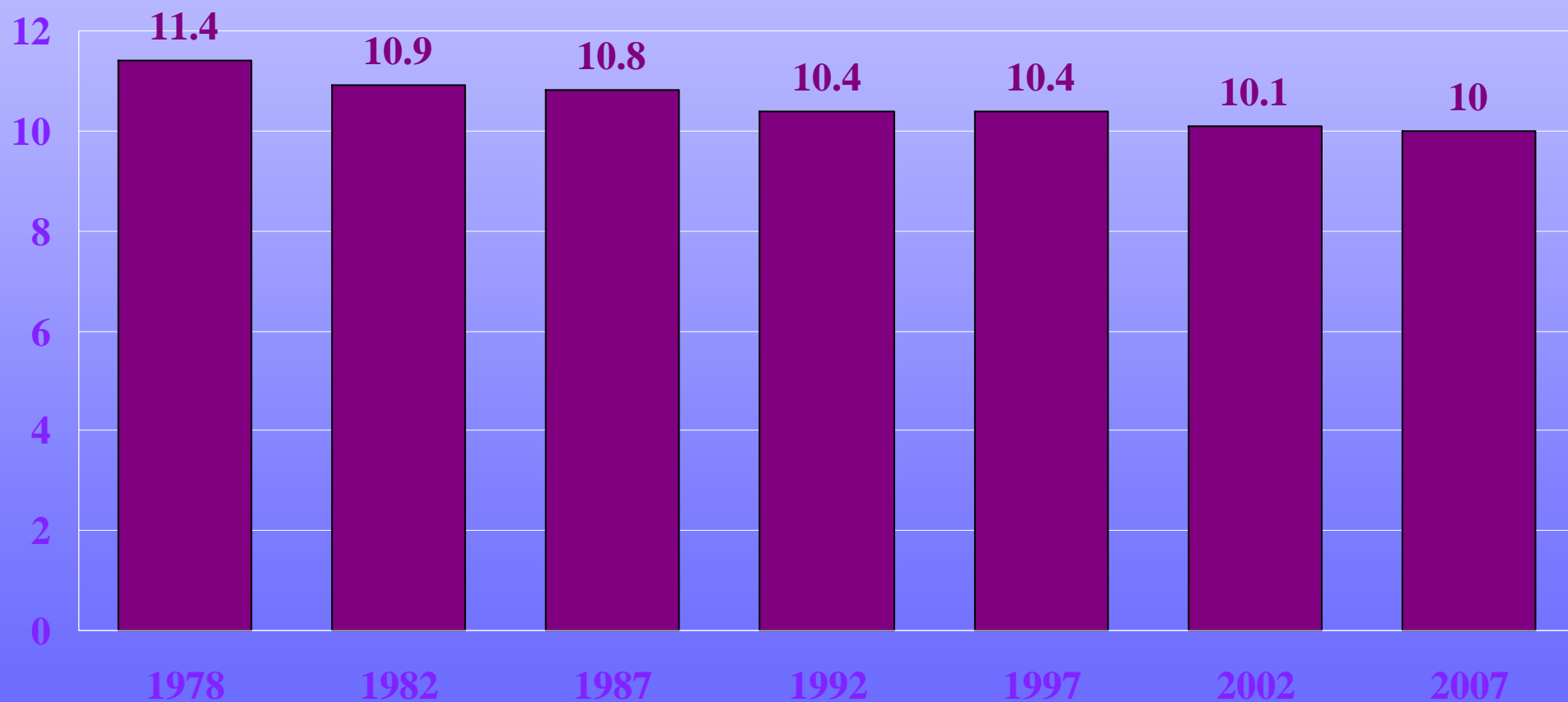
## Change in Number of Farms: 2002 to 2007



1 Dot = 5 Farms Increase  
1 Dot = 5 Farms Decrease

# Michigan Land in Farms: 1978-2007

Million Acres

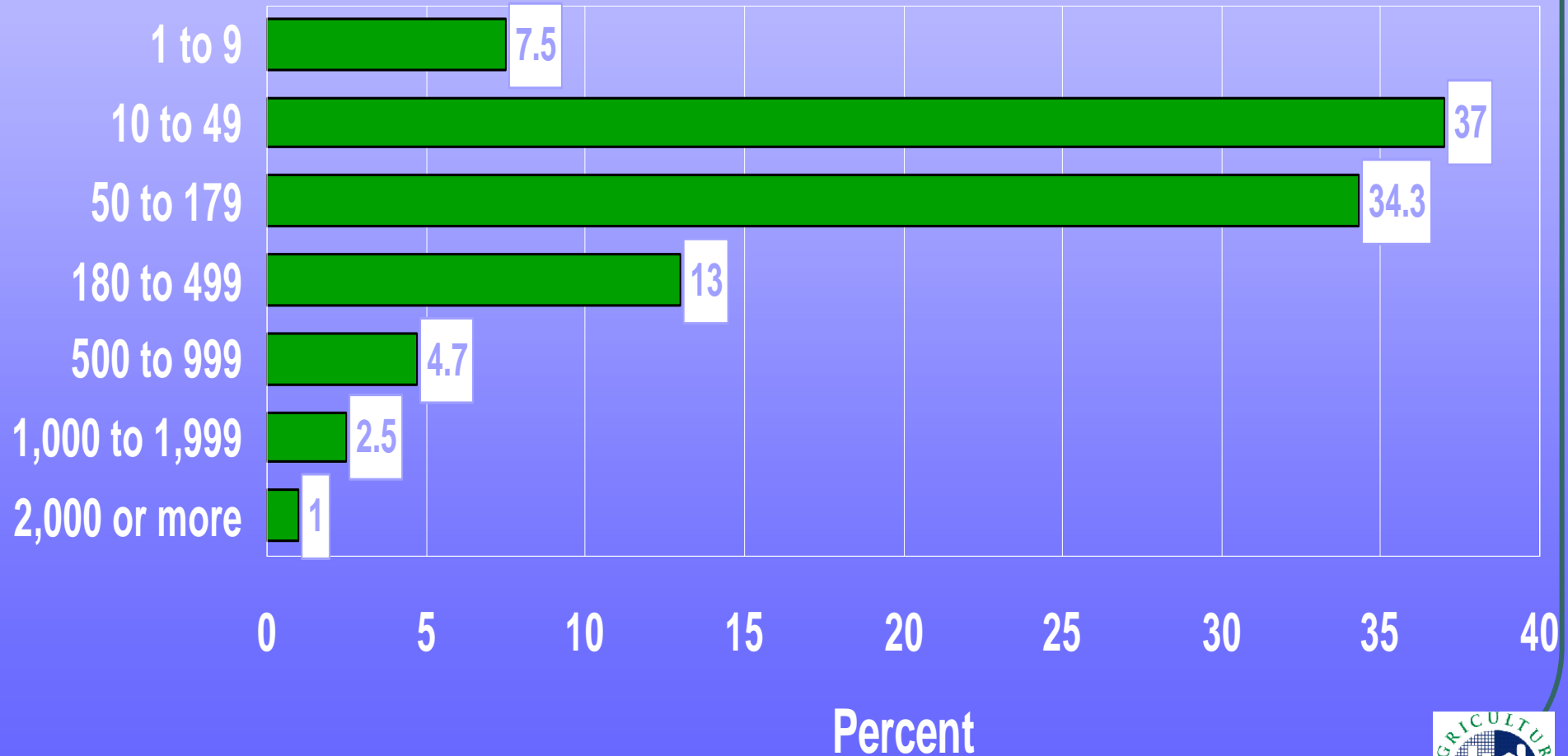


Land in farms include missed and misclassified farms, except in 1982.

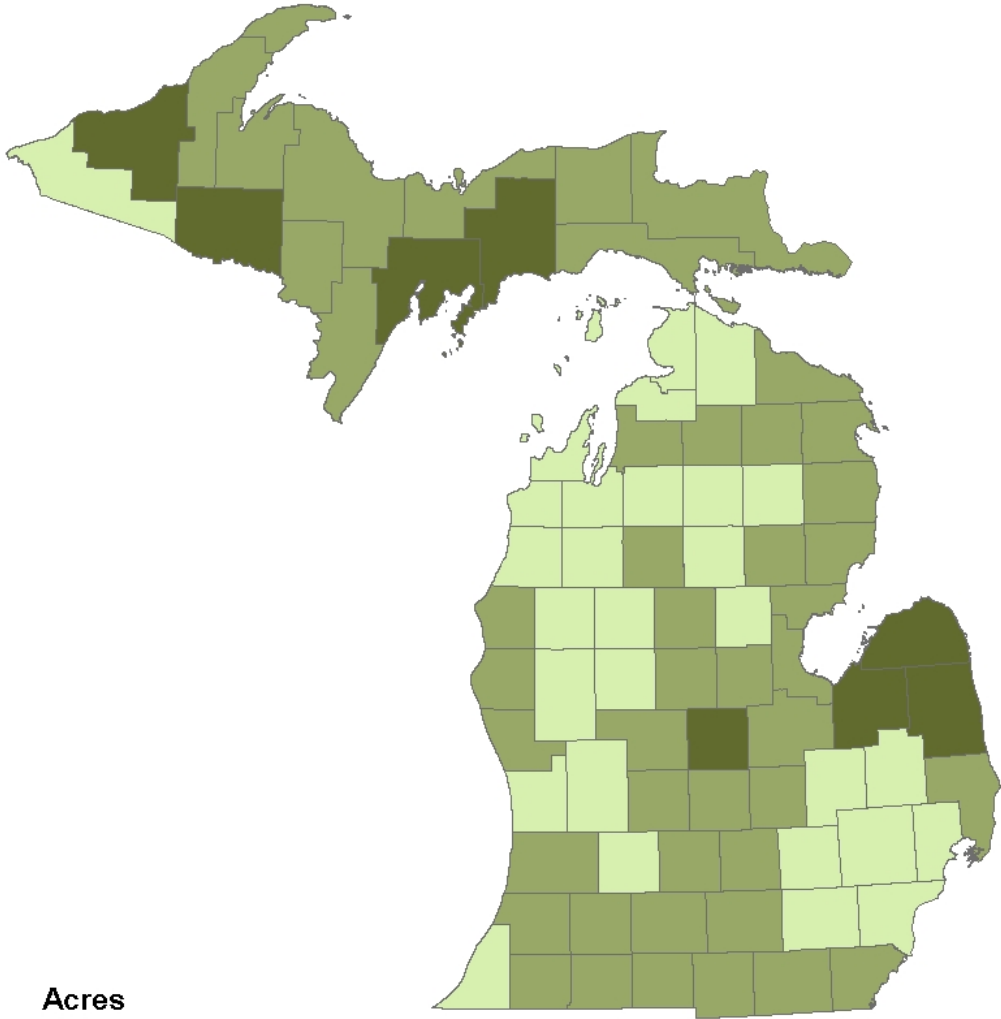


# Michigan Farms by Size

## Farm Acres



# Average Size of Farms in Acres: 2007

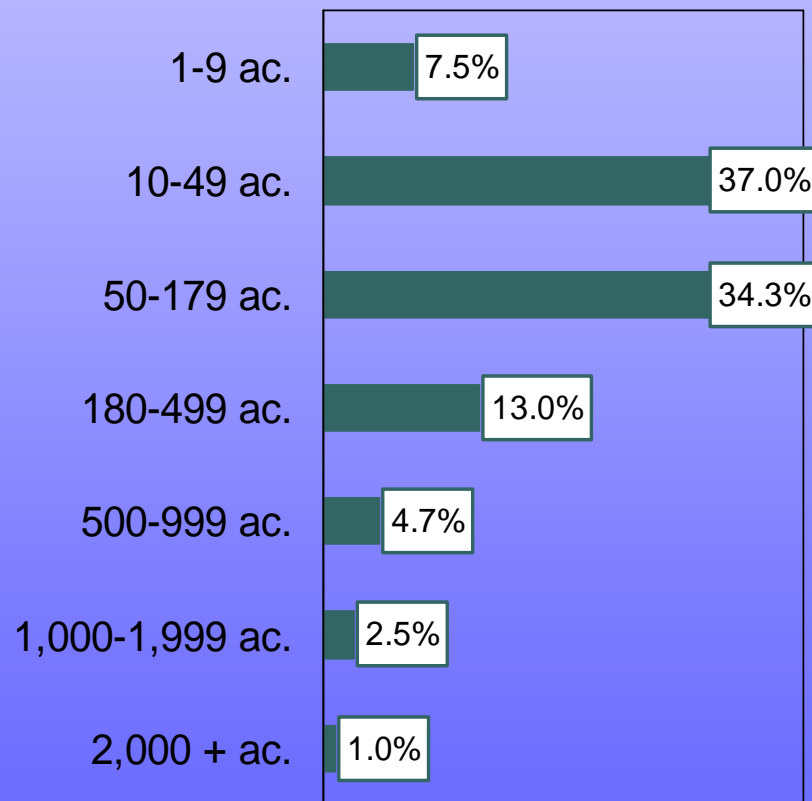


### Acres

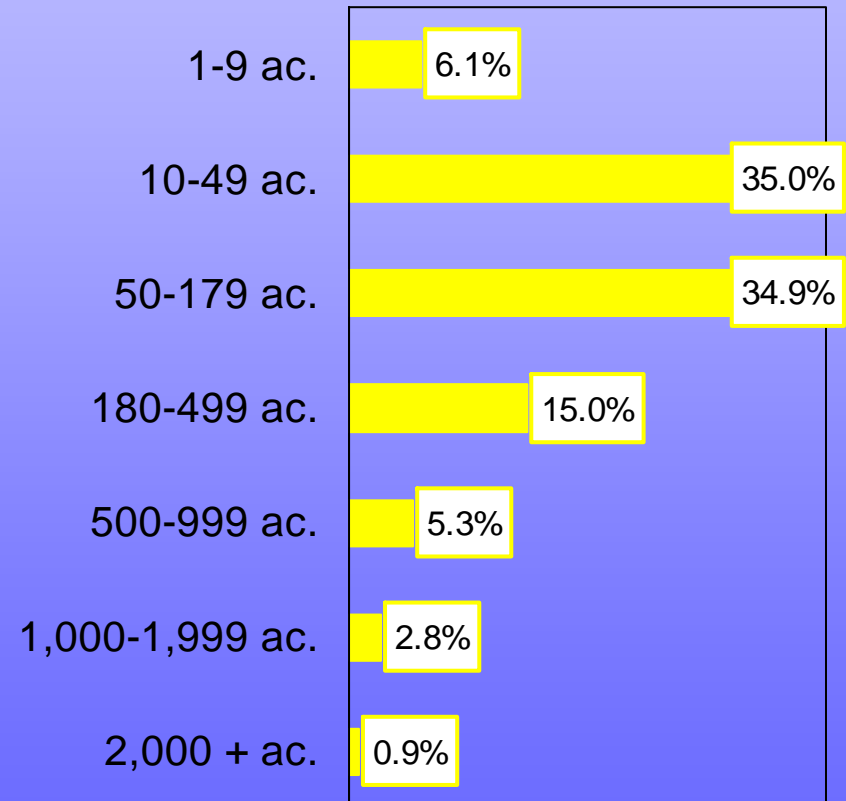
- Less than 150
- 150 - 249
- 250 or more

# Michigan Farms by Size

## 2007 Census

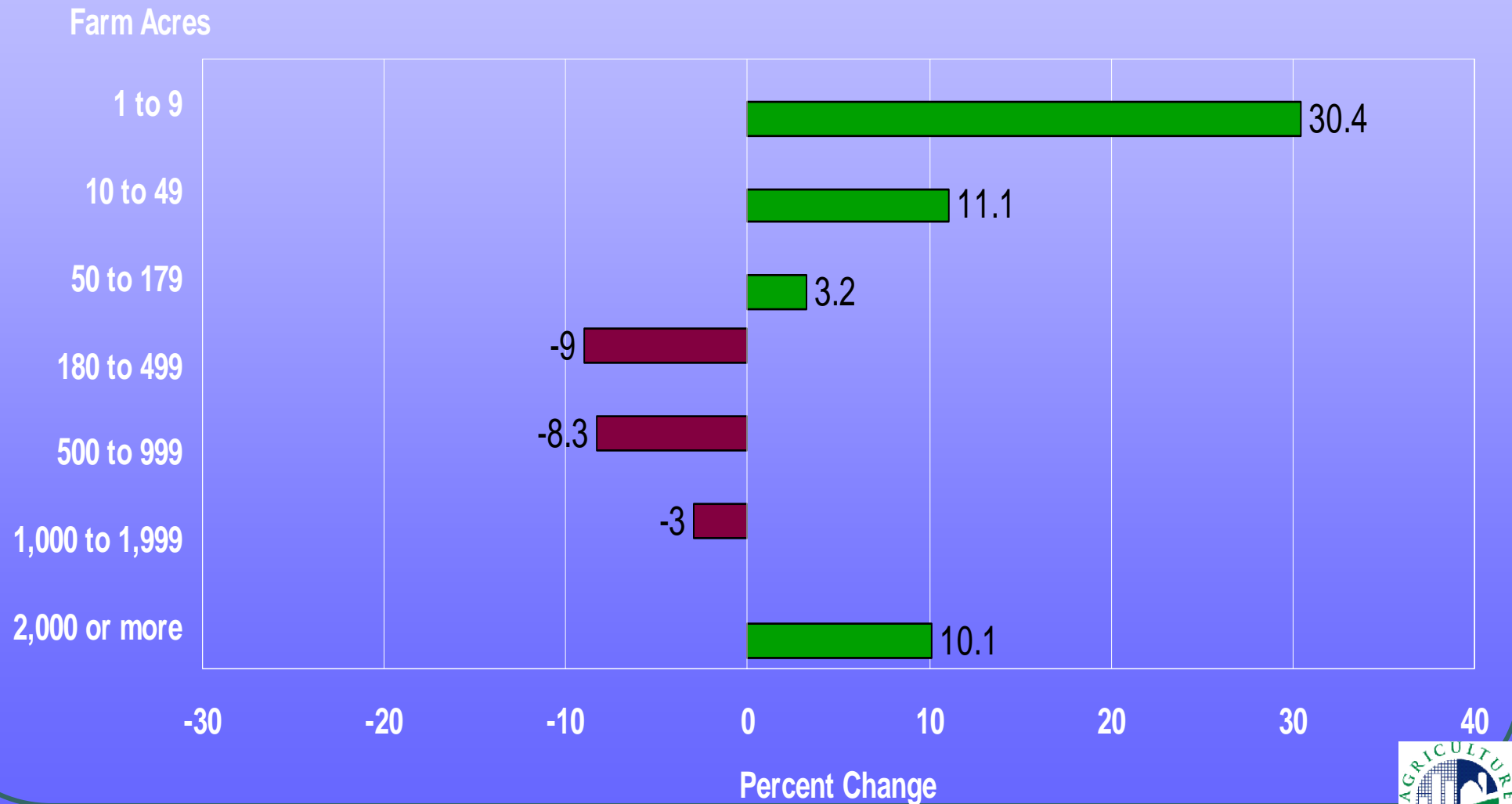


## 2002 Census

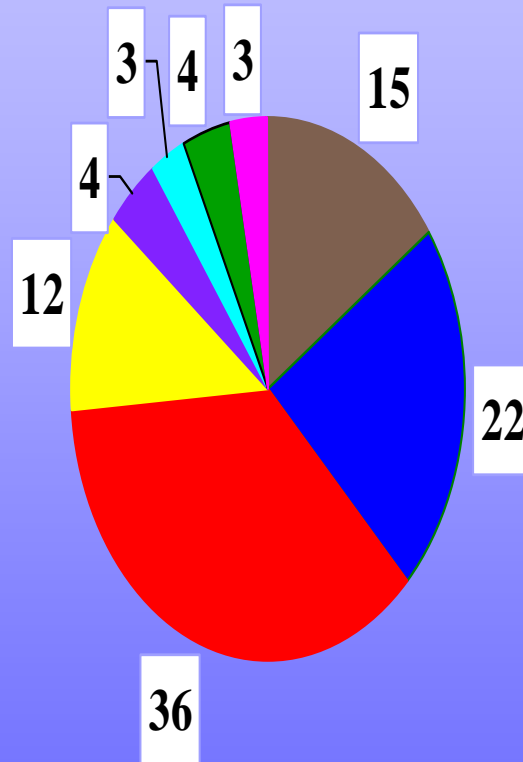


# Michigan Farms by Size

## Percent Change from 2002 Census

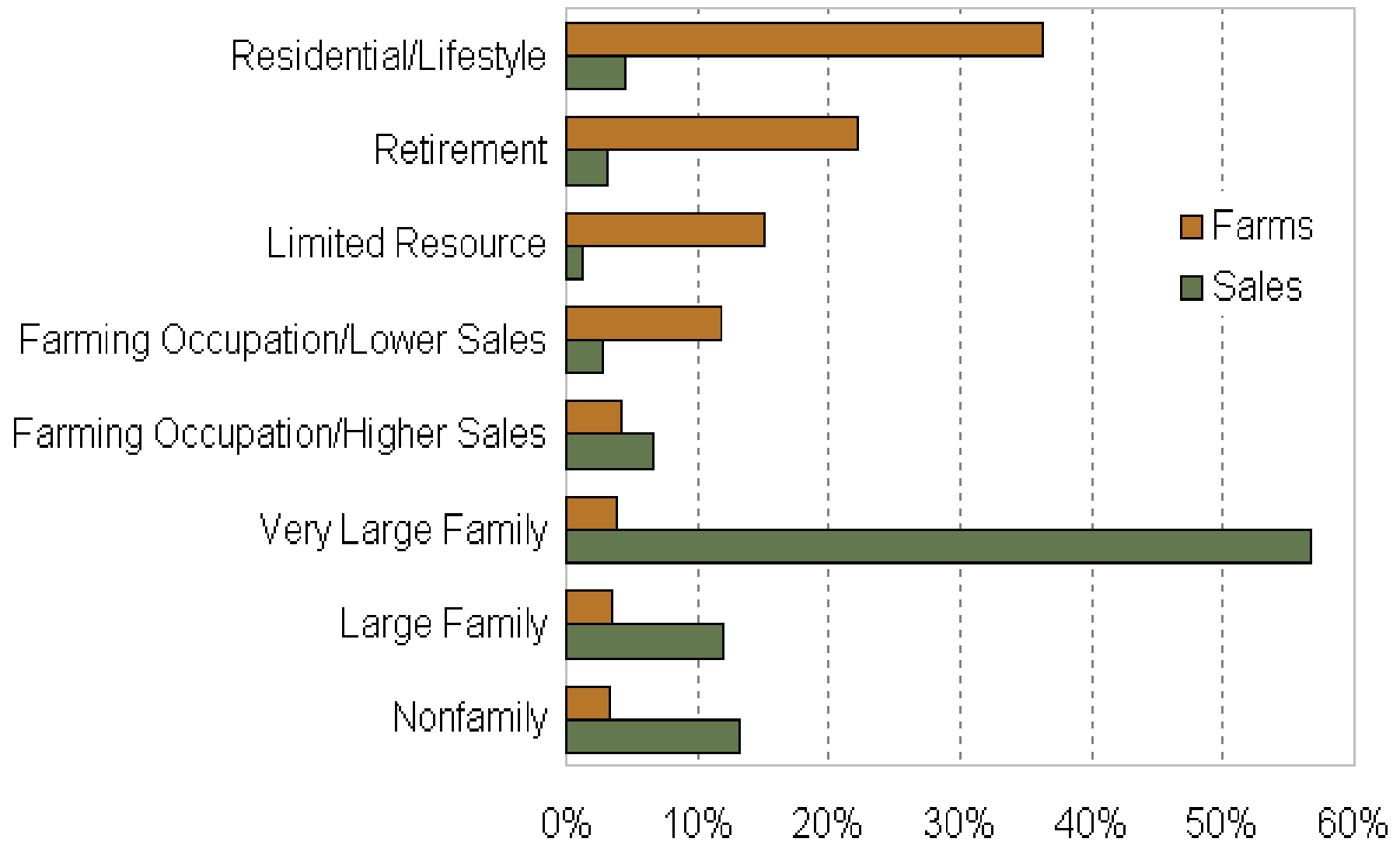


# Michigan Farms by Typology



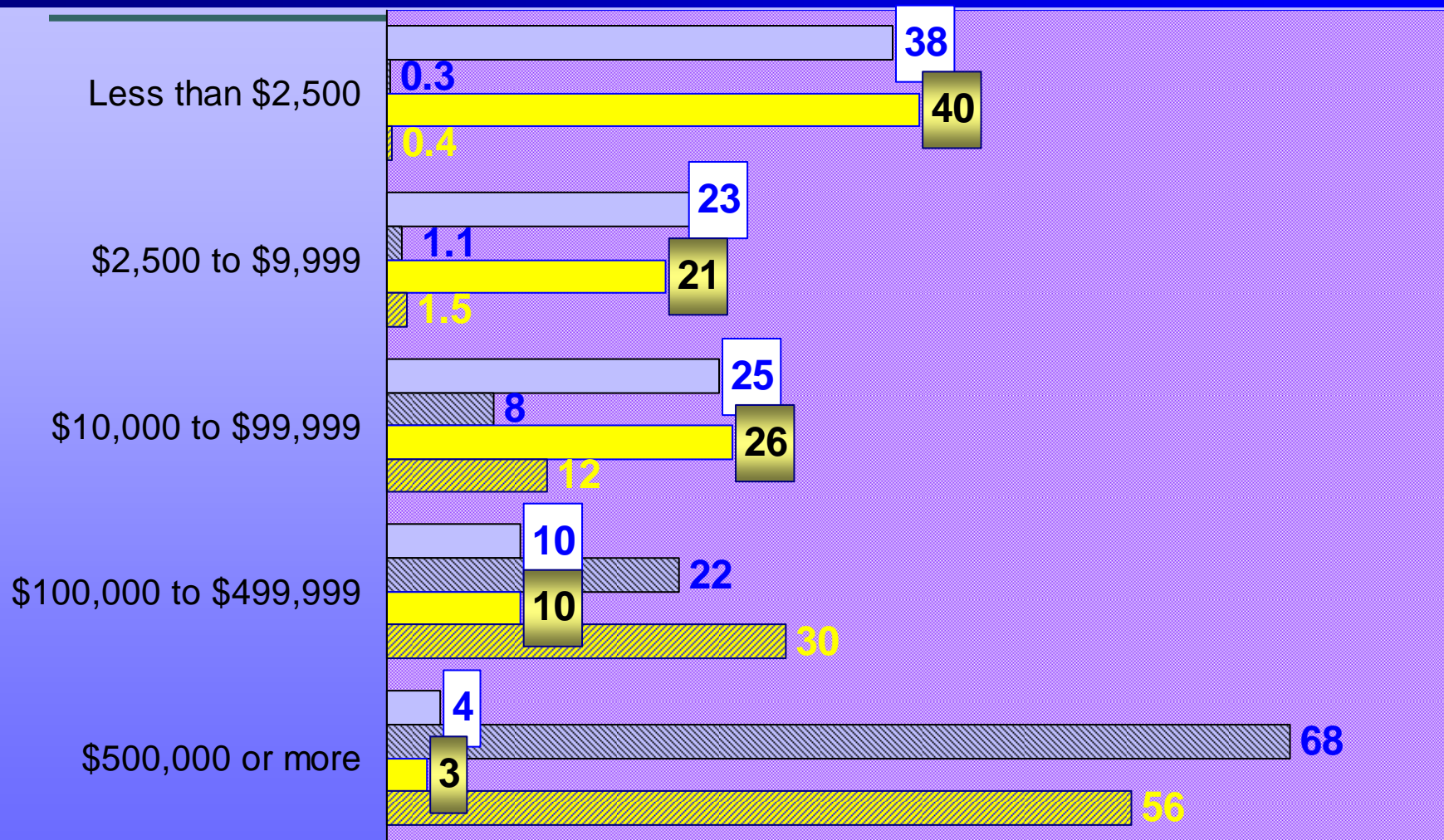
- |                        |                     |                           |                       |
|------------------------|---------------------|---------------------------|-----------------------|
| ■ Limited resource     | ■ Retirement        | ■ Residential/lifestyle   | ■ Farming lower sales |
| ■ Farming higher sales | ■ Large family farm | ■ Very large family farms | ■ Nonfamily farms     |

## Percent of Farms and Sales by Typology, 2007



# Michigan Farms by Economic Class

Market Value of Products Sold and Govt. Payments



Percent

□ % of 2007 Farms

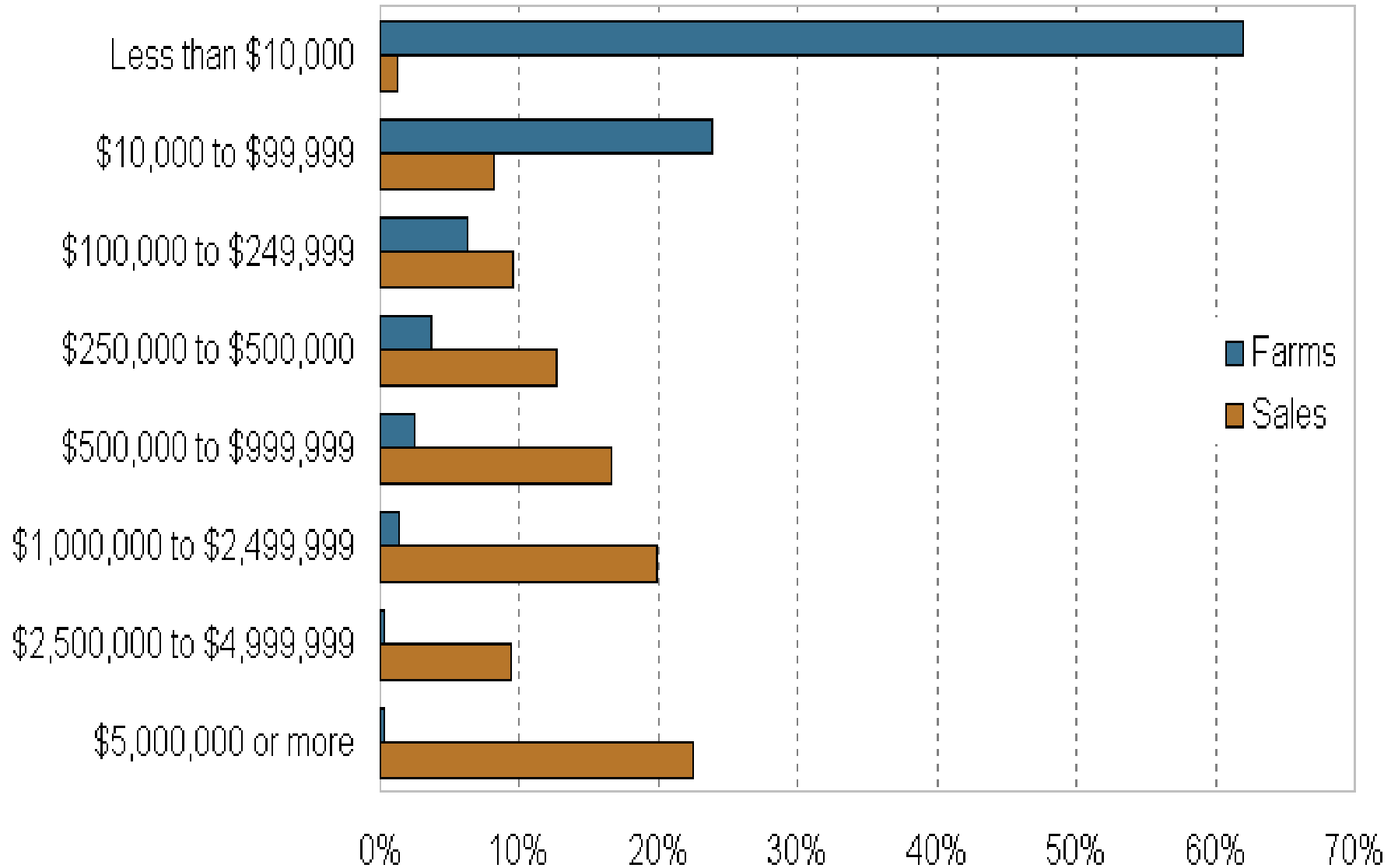
▨ % of 2007 Sales

■ % of 2002 Farms

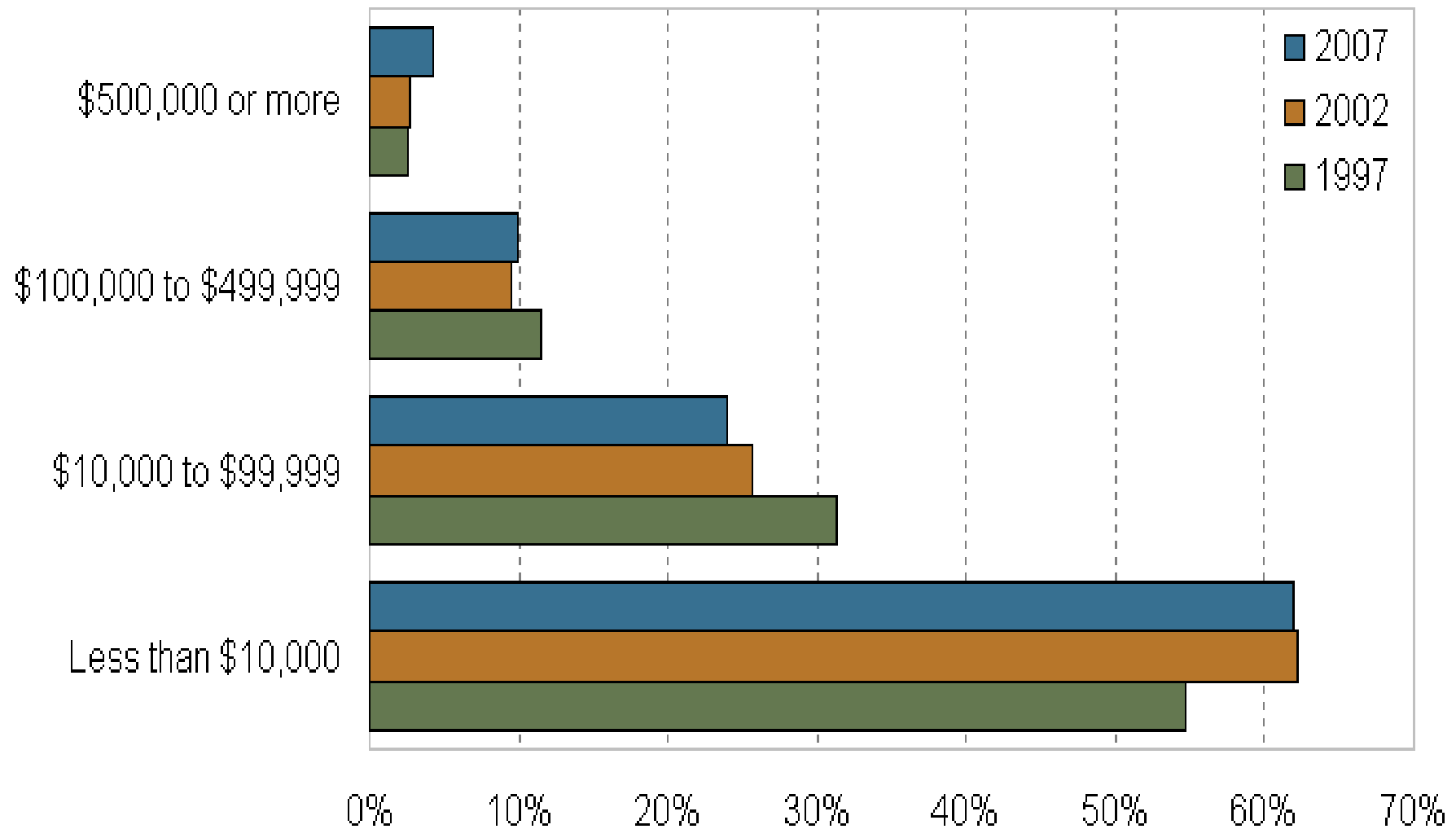
▨ % of 2002 Sales



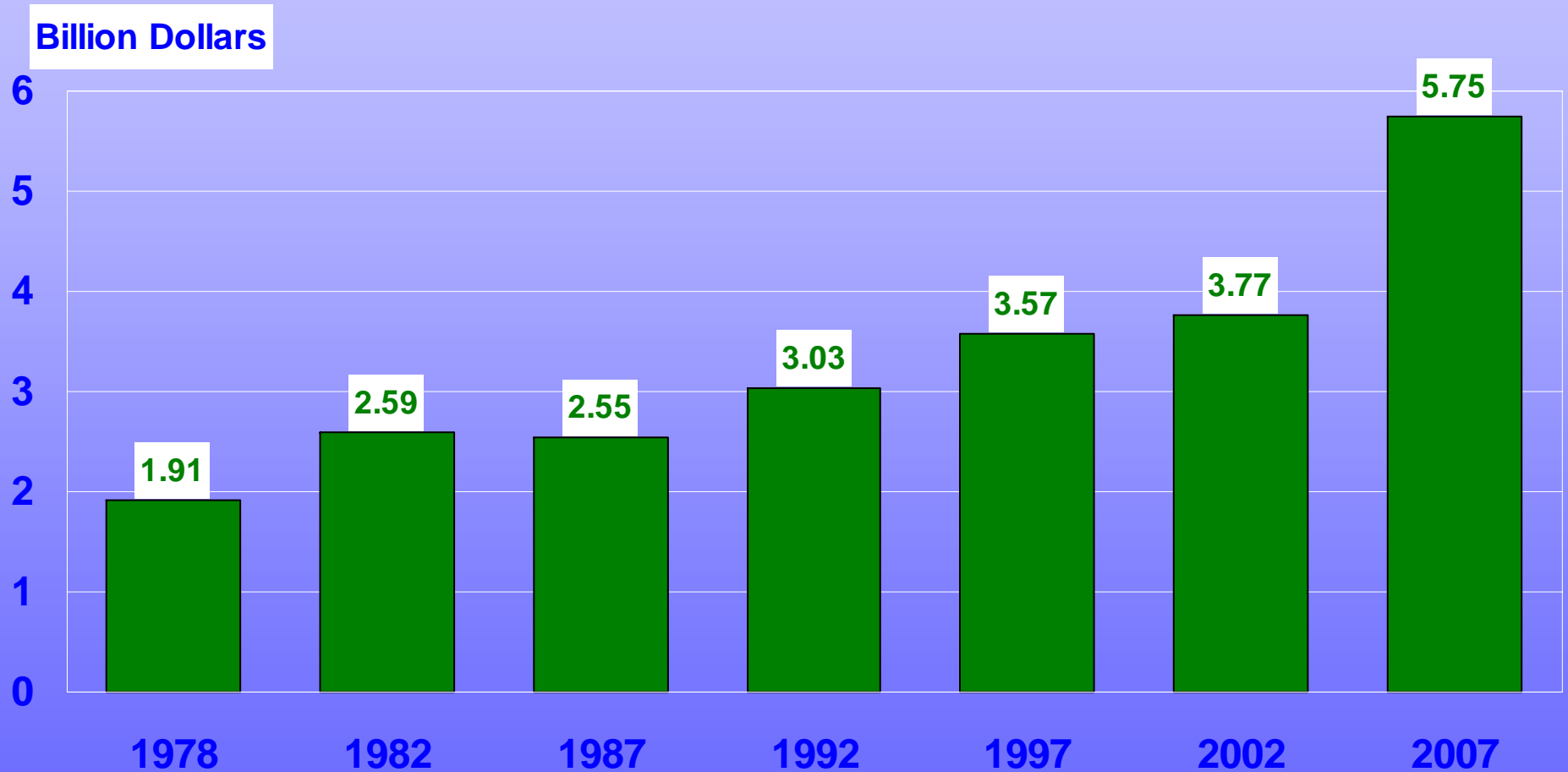
## Number of Farms and Sales, Percent of Total, 2007



## Percent of Total Farms by Sales Class, 1997, 2002, and 2007



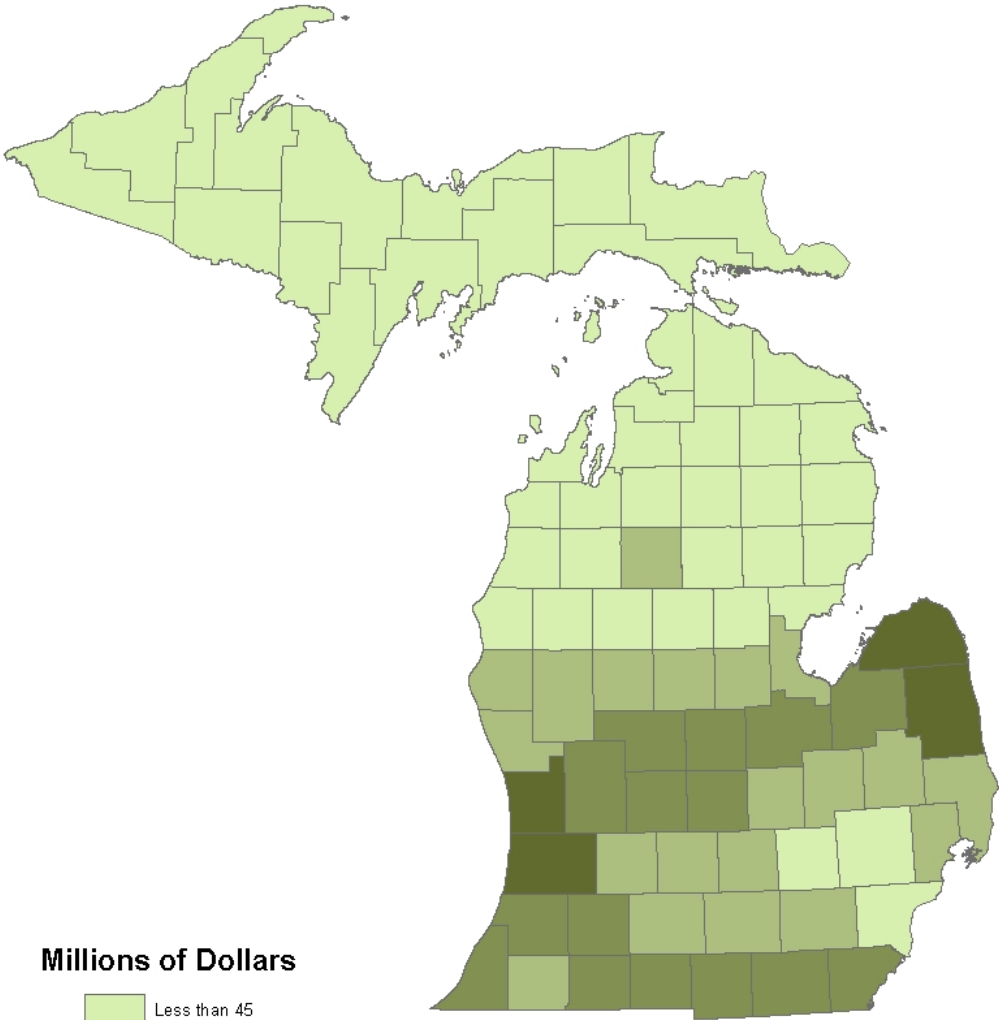
# Market Value of Agricultural Products Sold 1978-2007



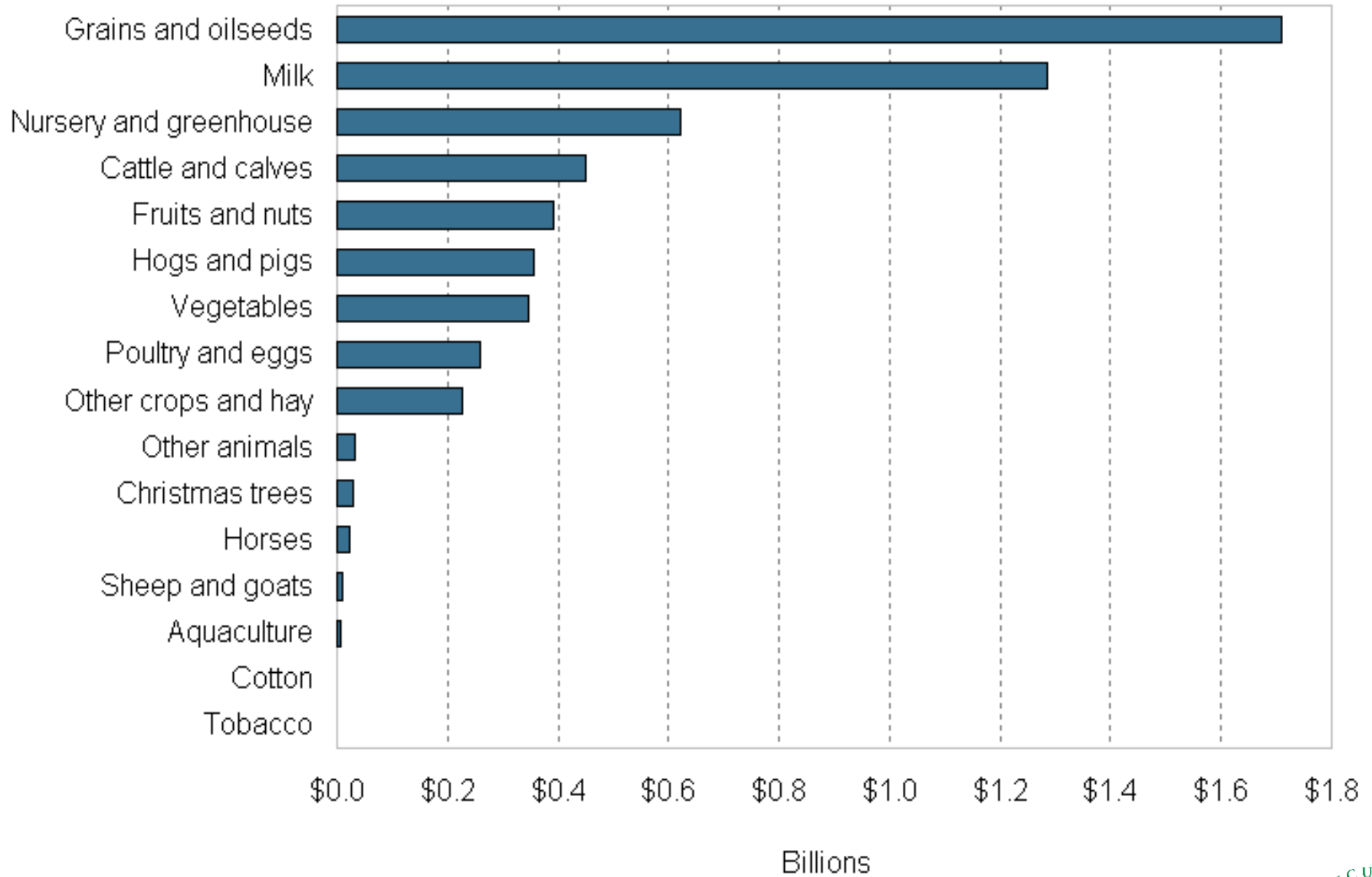
Value not adjusted for coverage 1978-1992



# Value of Agricultural Products Sold: 2007

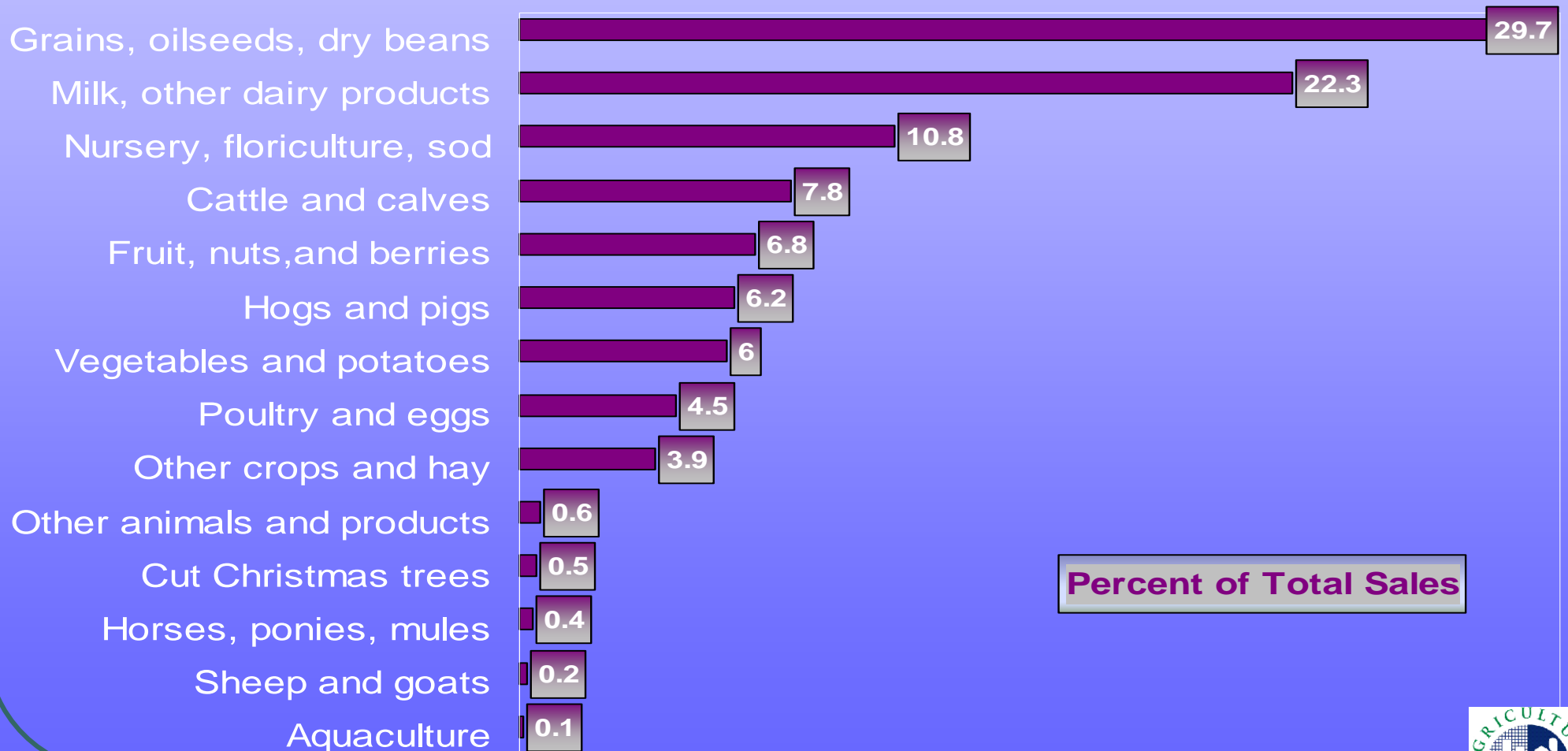


## Market Value of Agricultural Products Sold by Category, 2007



# Michigan Commodity Ranking: 2007 By Value of Sales

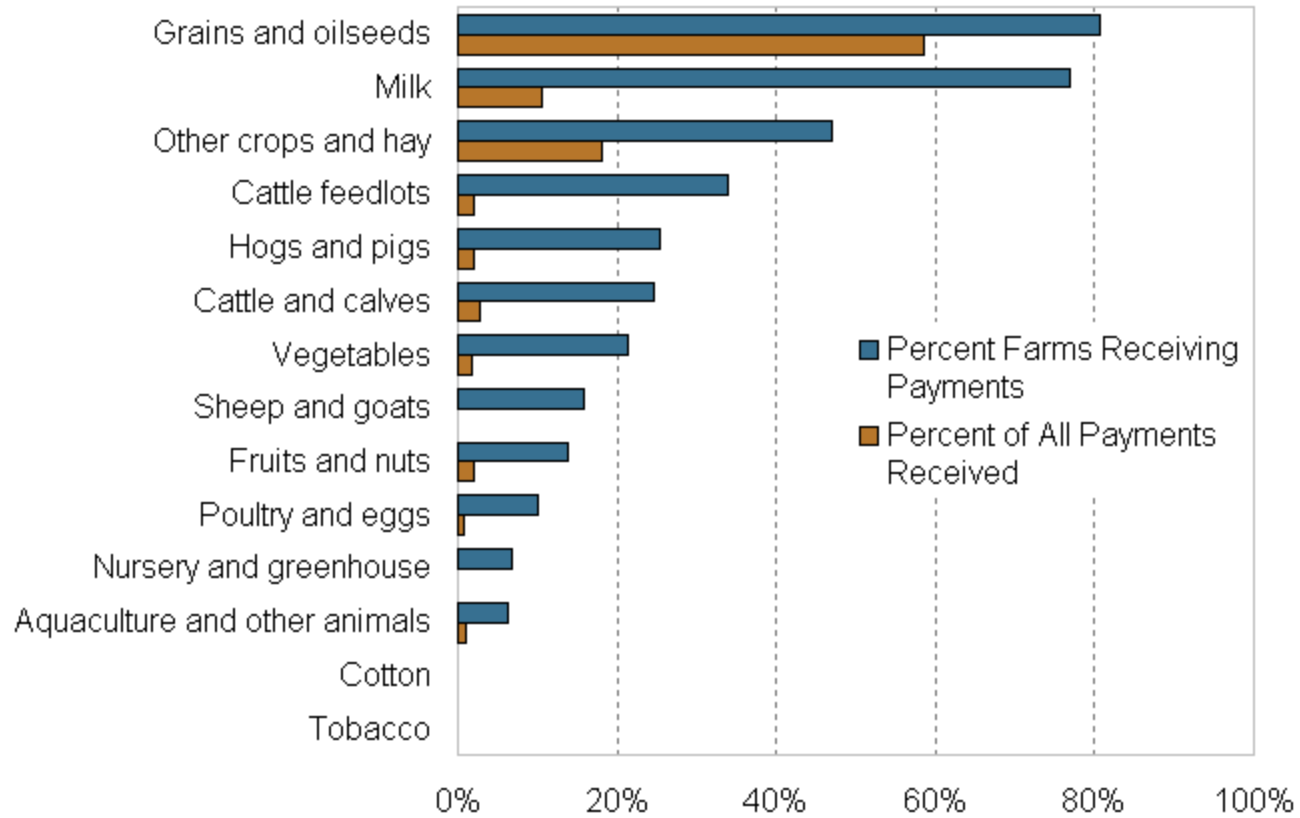
2007 Value of Sales \$5.75 billion



Percent of Total Sales

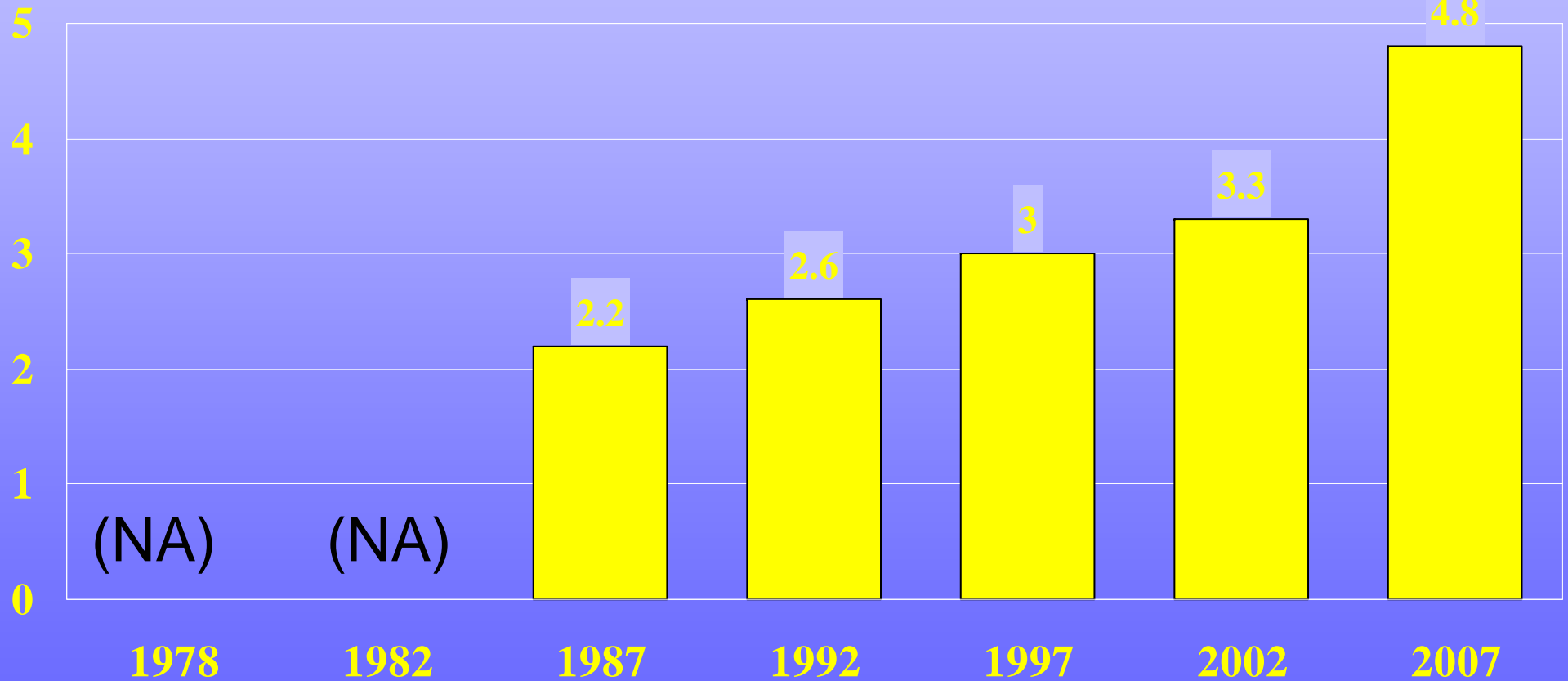


## Government Payments Received by Category, 2007



# Total Farm Production Expenses 1978-2007

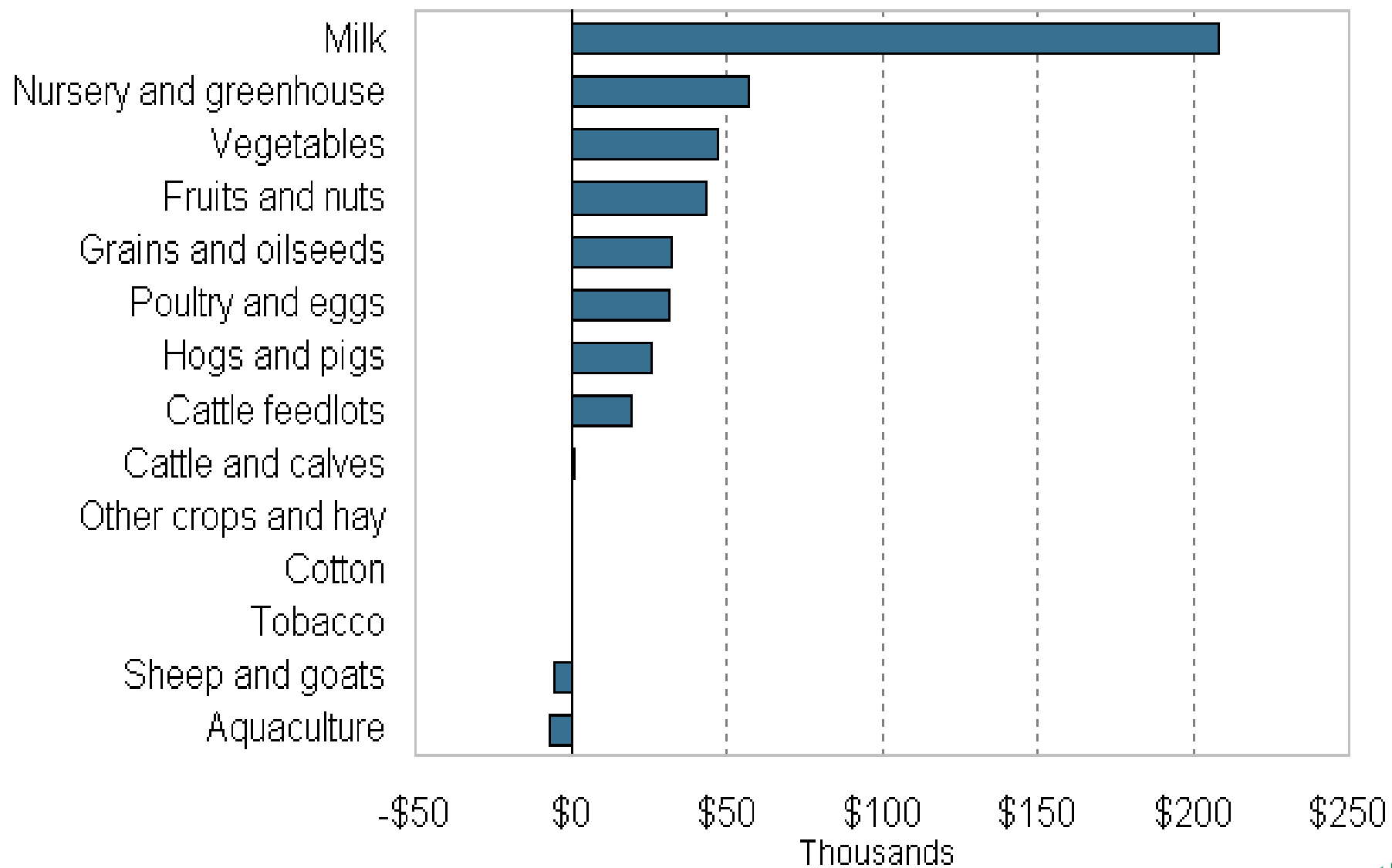
Billion Dollars



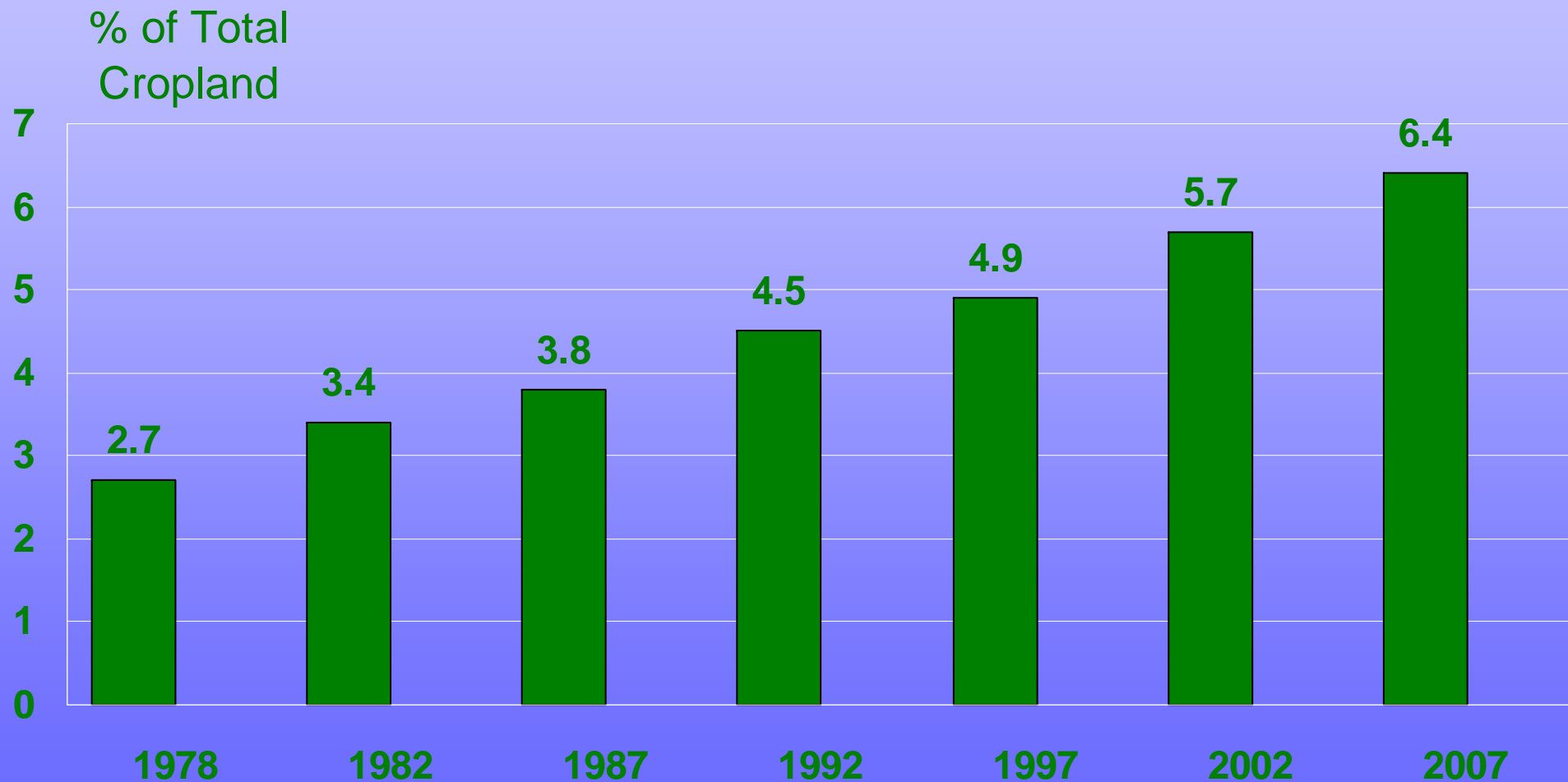
Expenses were not coverage adjusted for 1987 and 1992



## Average Net Cash Farm Income of Operators by Category, 2007



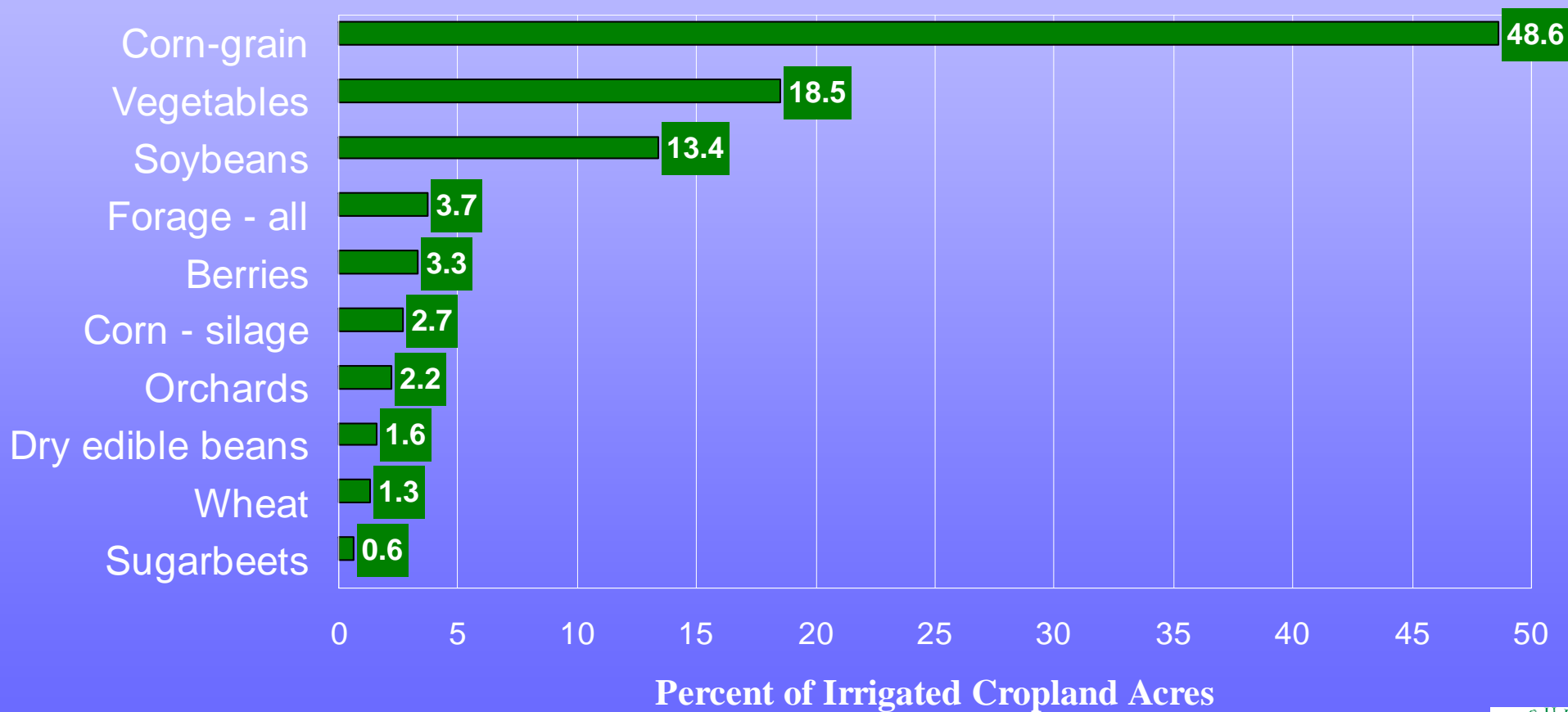
# Michigan Irrigated Acres: 1978-2007



Coverage adjusted to include missed and misclassified farms in 1997 and 2002.

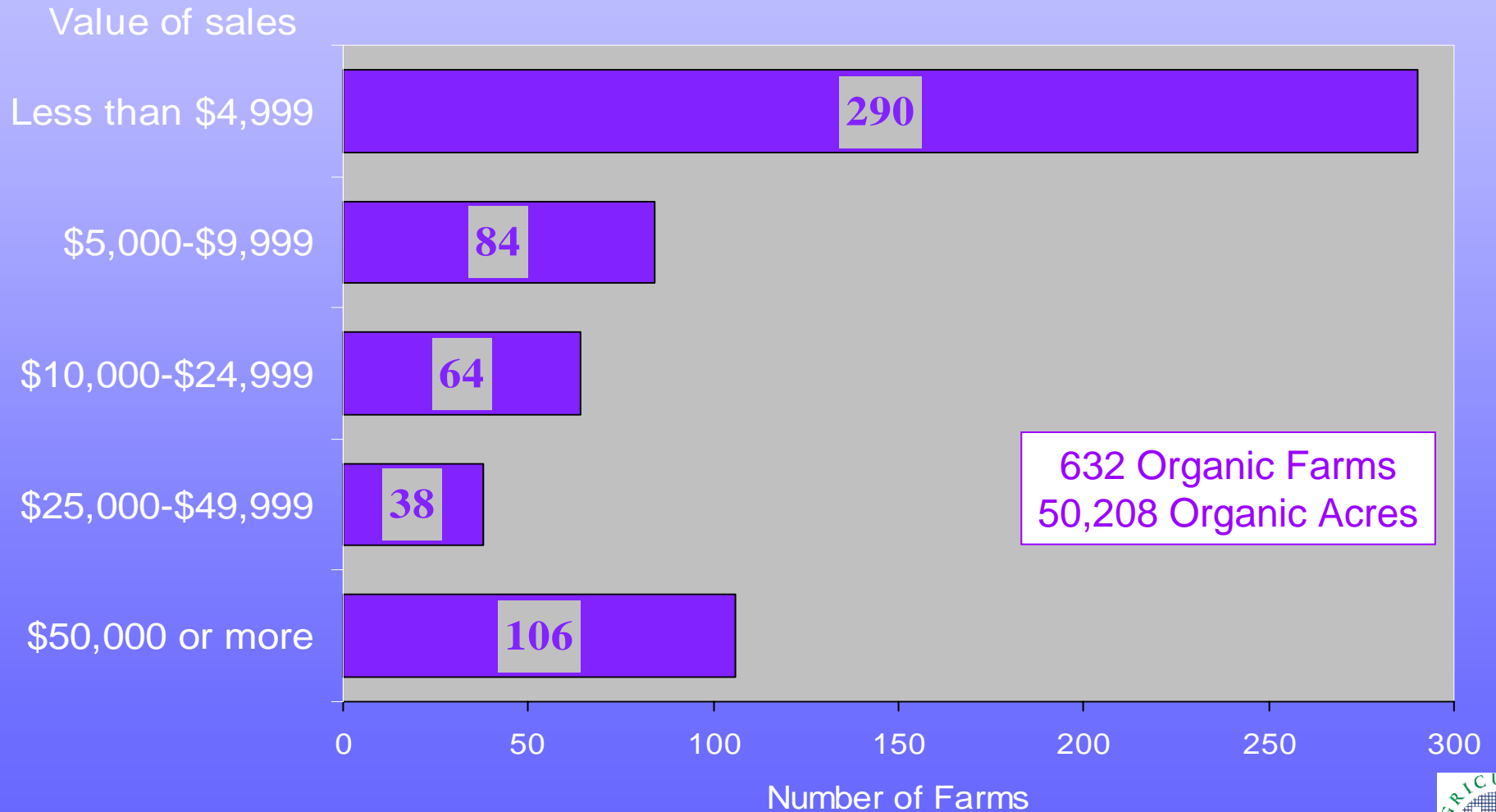
# Michigan Irrigated Crops: 2007

Irrigated Cropland Acres- 496,395



# Michigan Organic Farms: 2007

## Farms with Sales

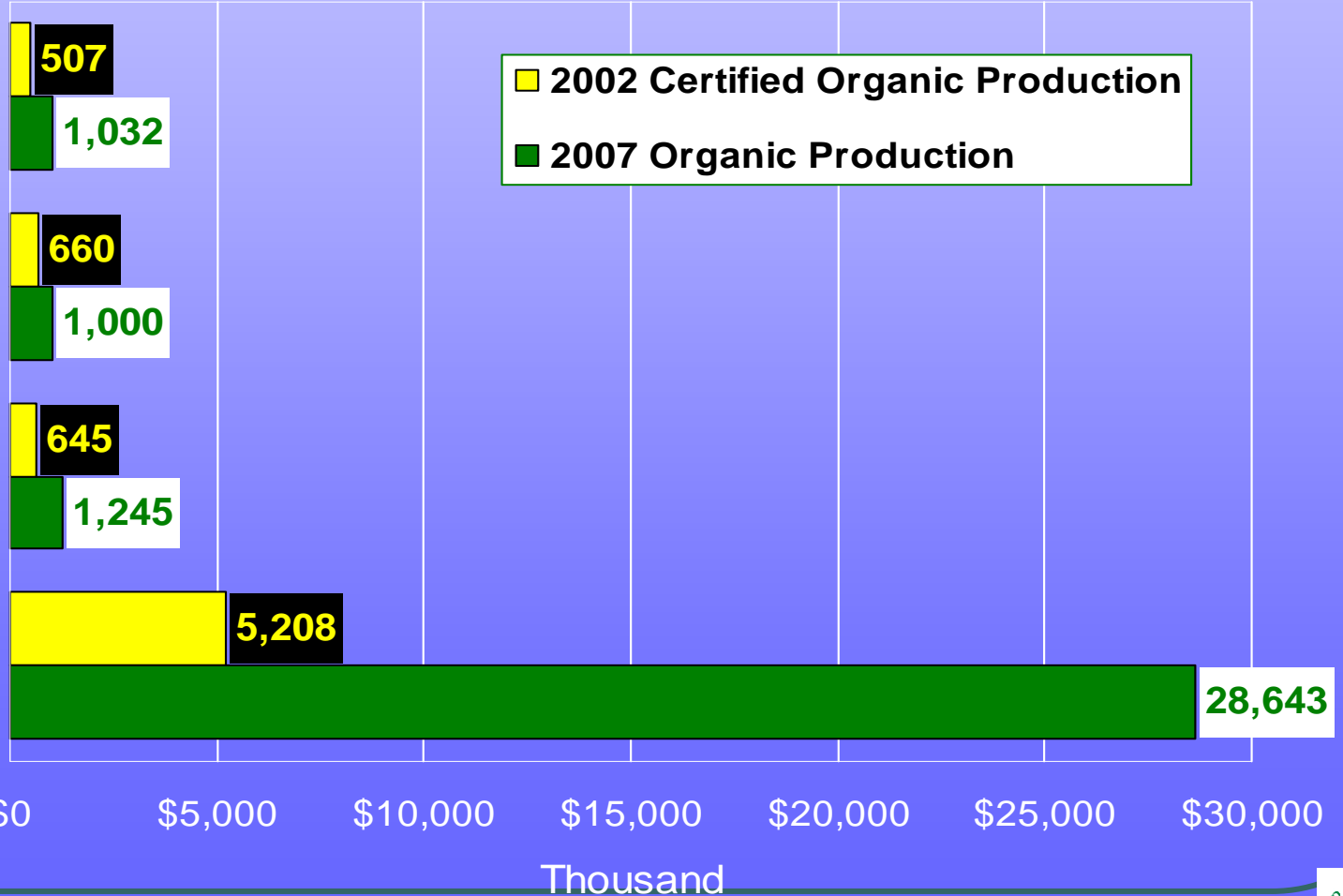


# Michigan Organic Production

2007 Value of Sales \$31.9 million

Farm Sales

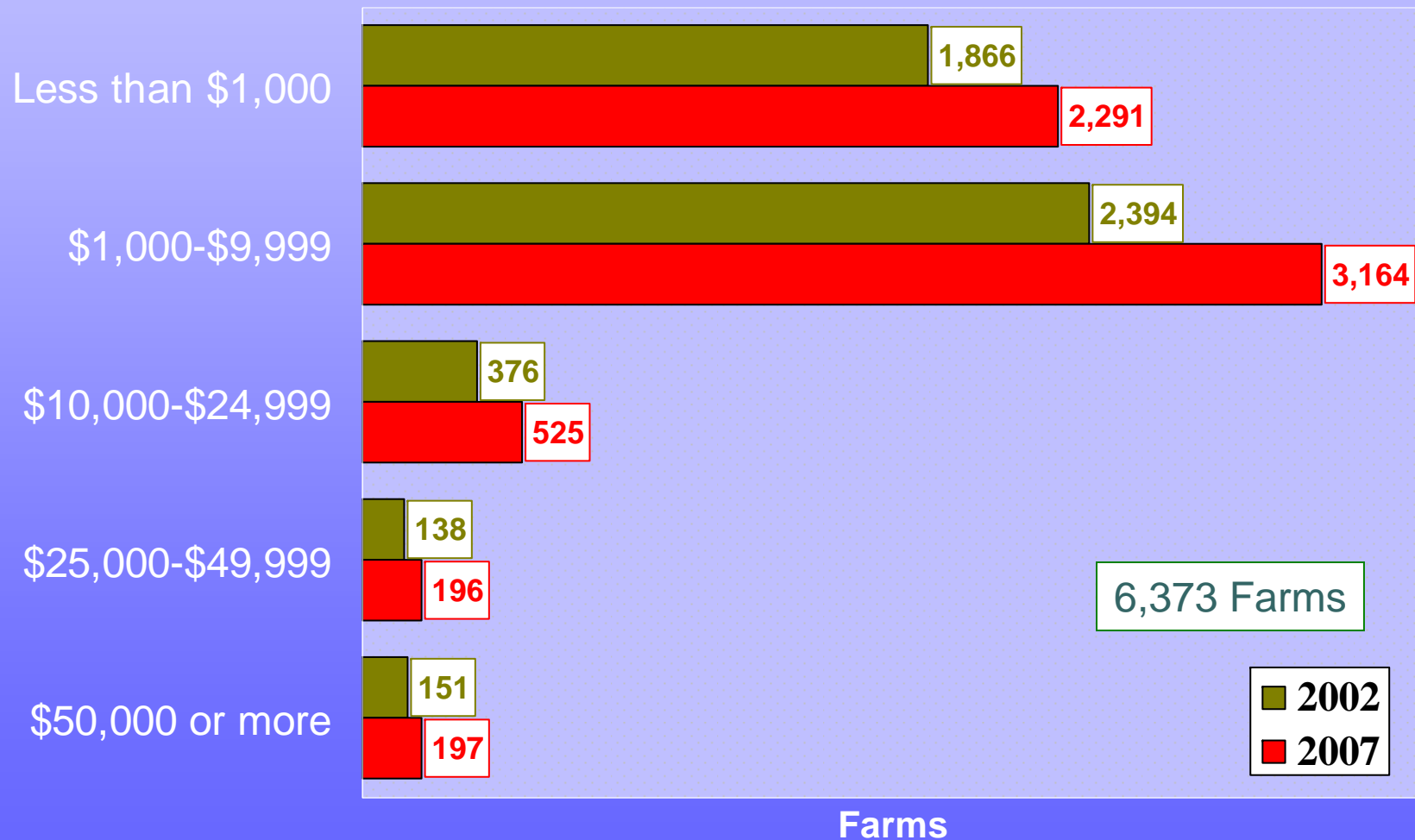
Less than \$9,999



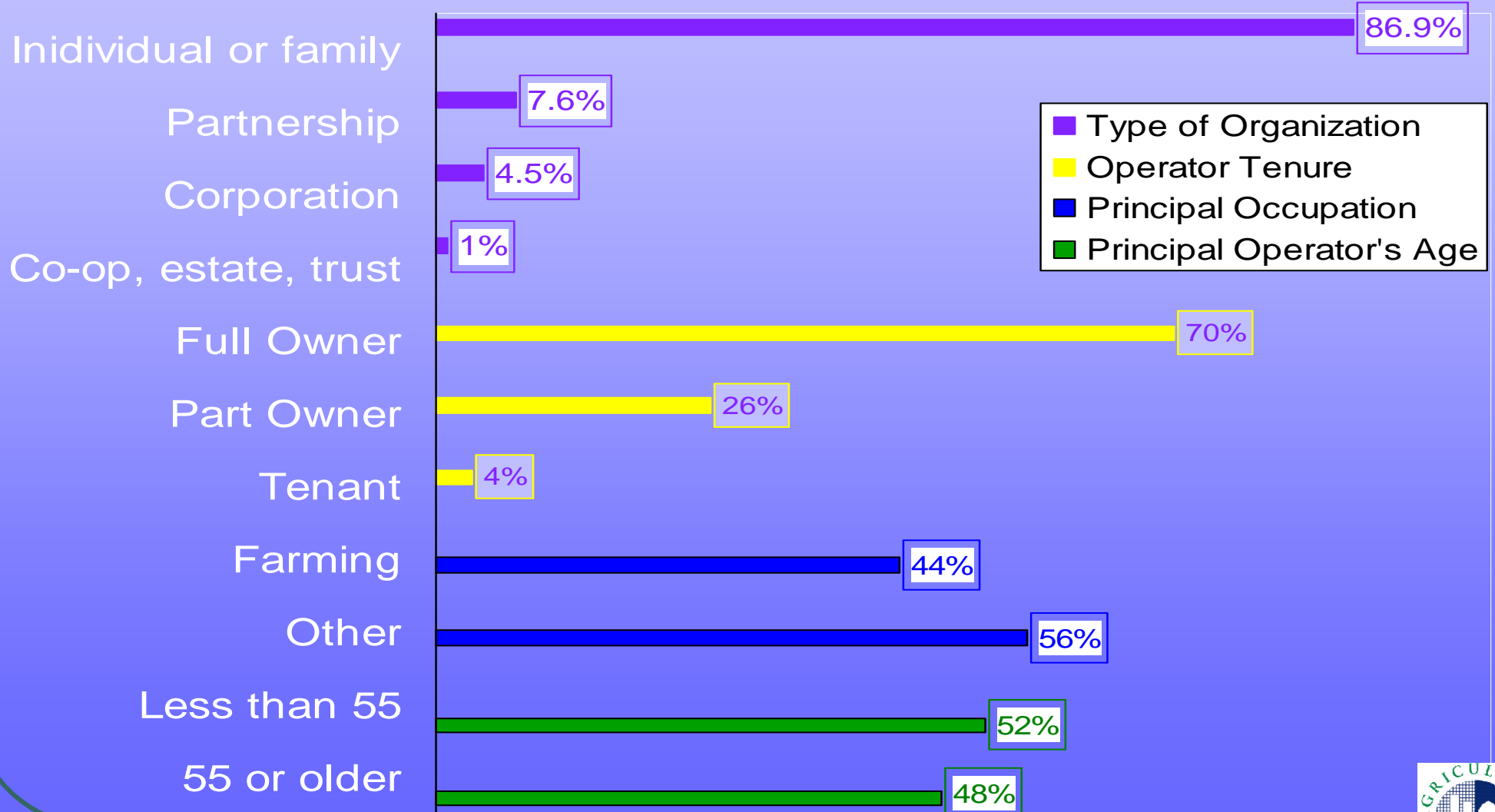
Thousand

# Michigan Farms Marketing Directly to Consumers

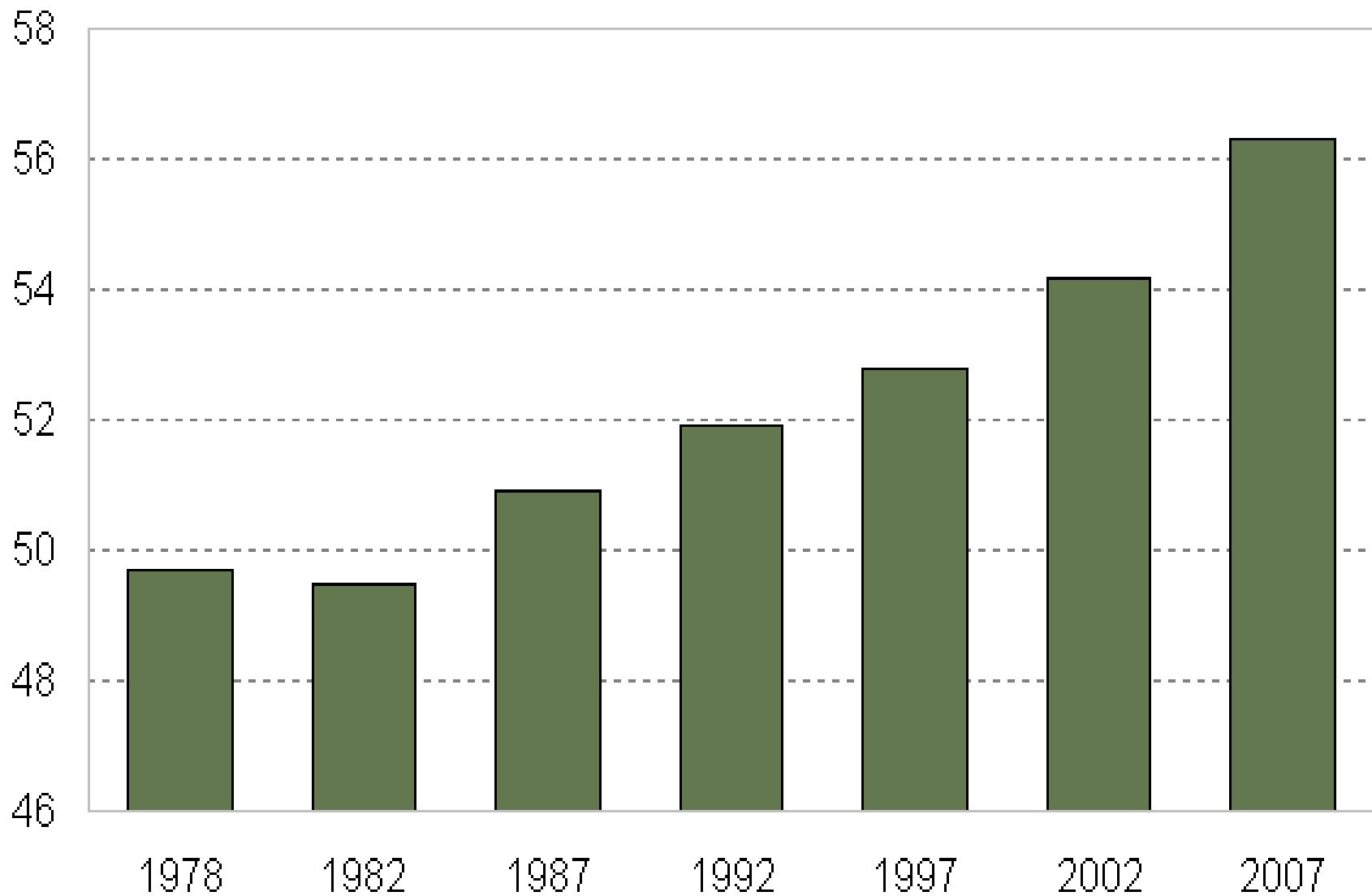
Value of Direct Market Sales \$37.3 million



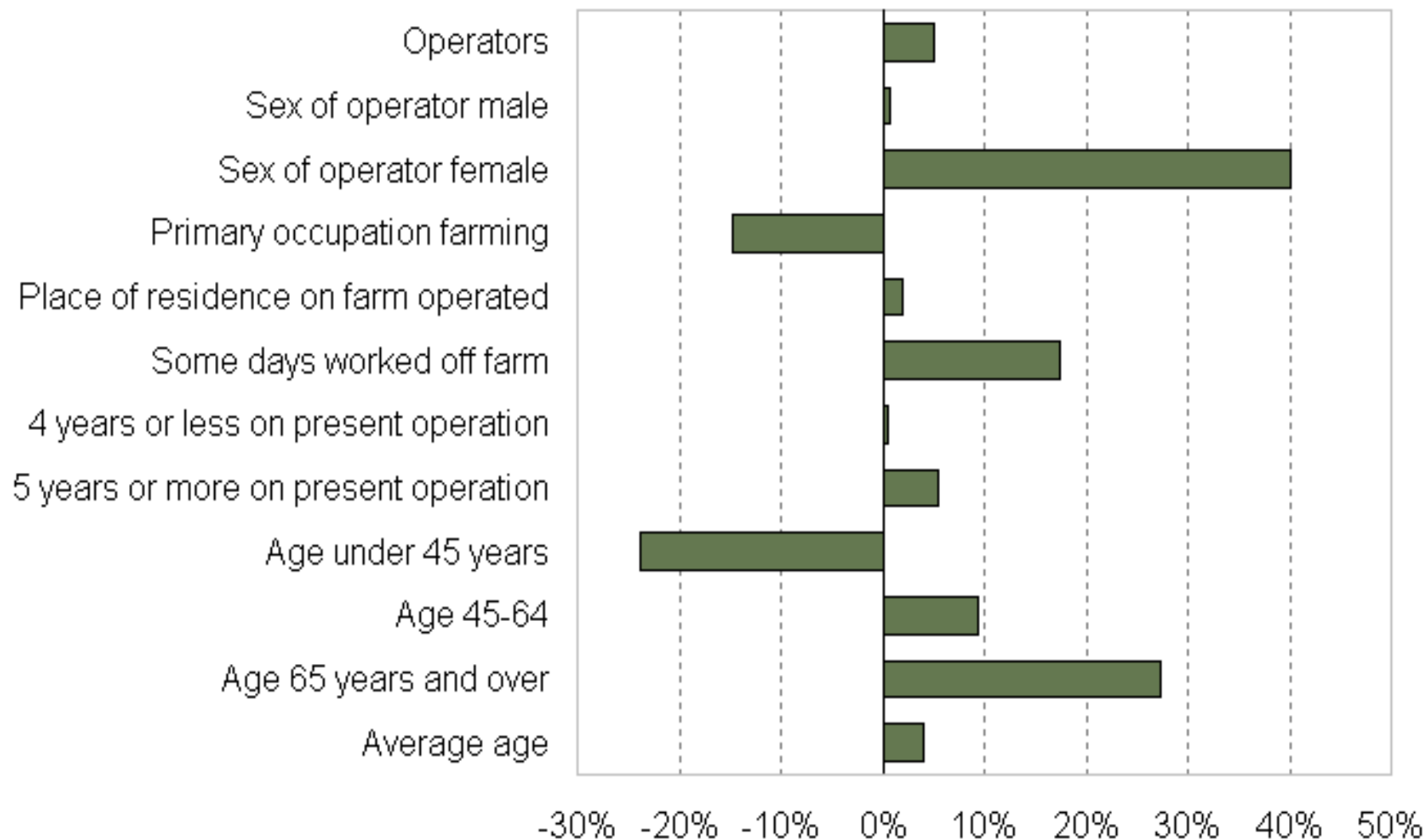
# Michigan Farm Profile: 2007



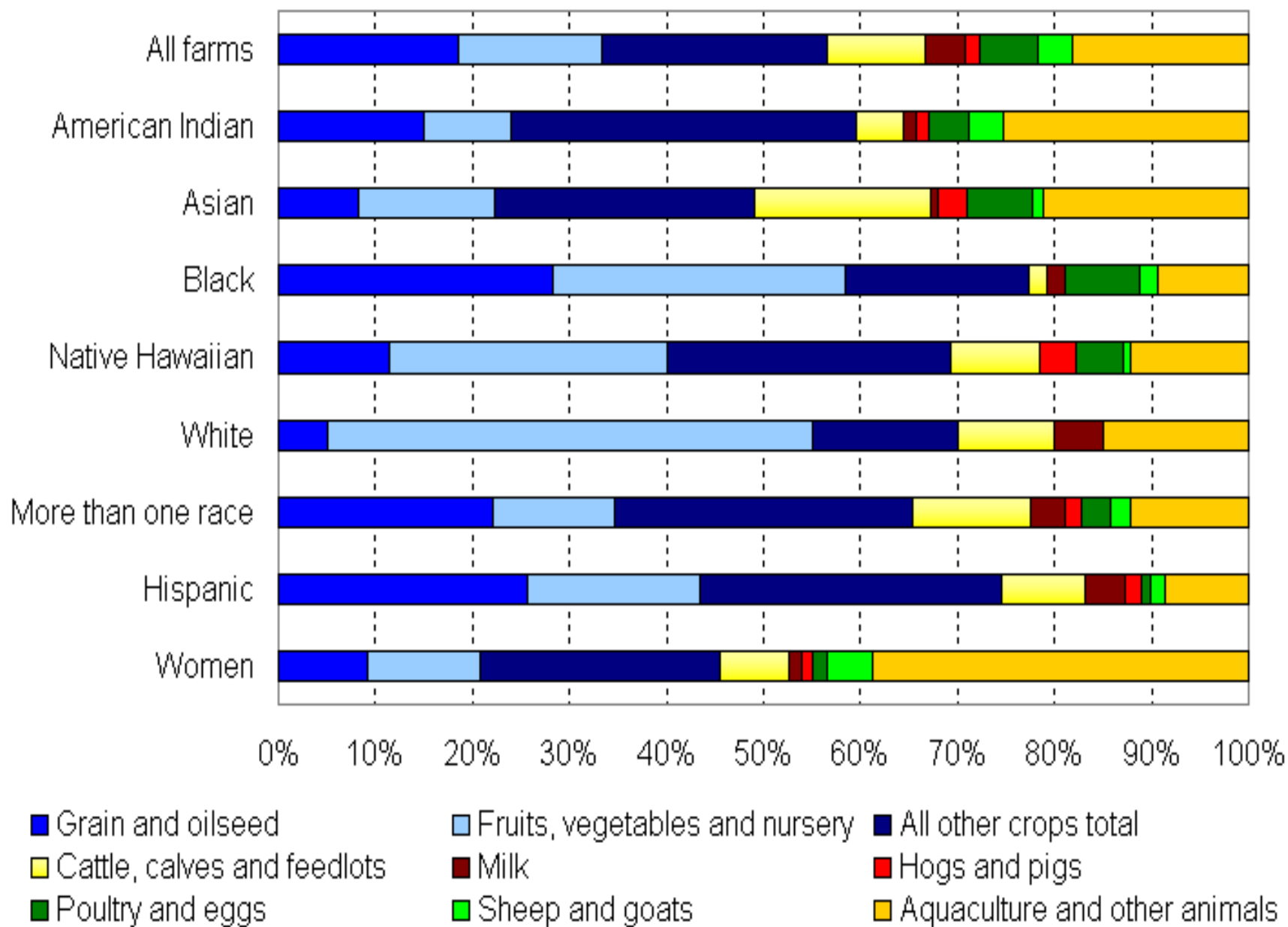
## Average Age of Principal Operator



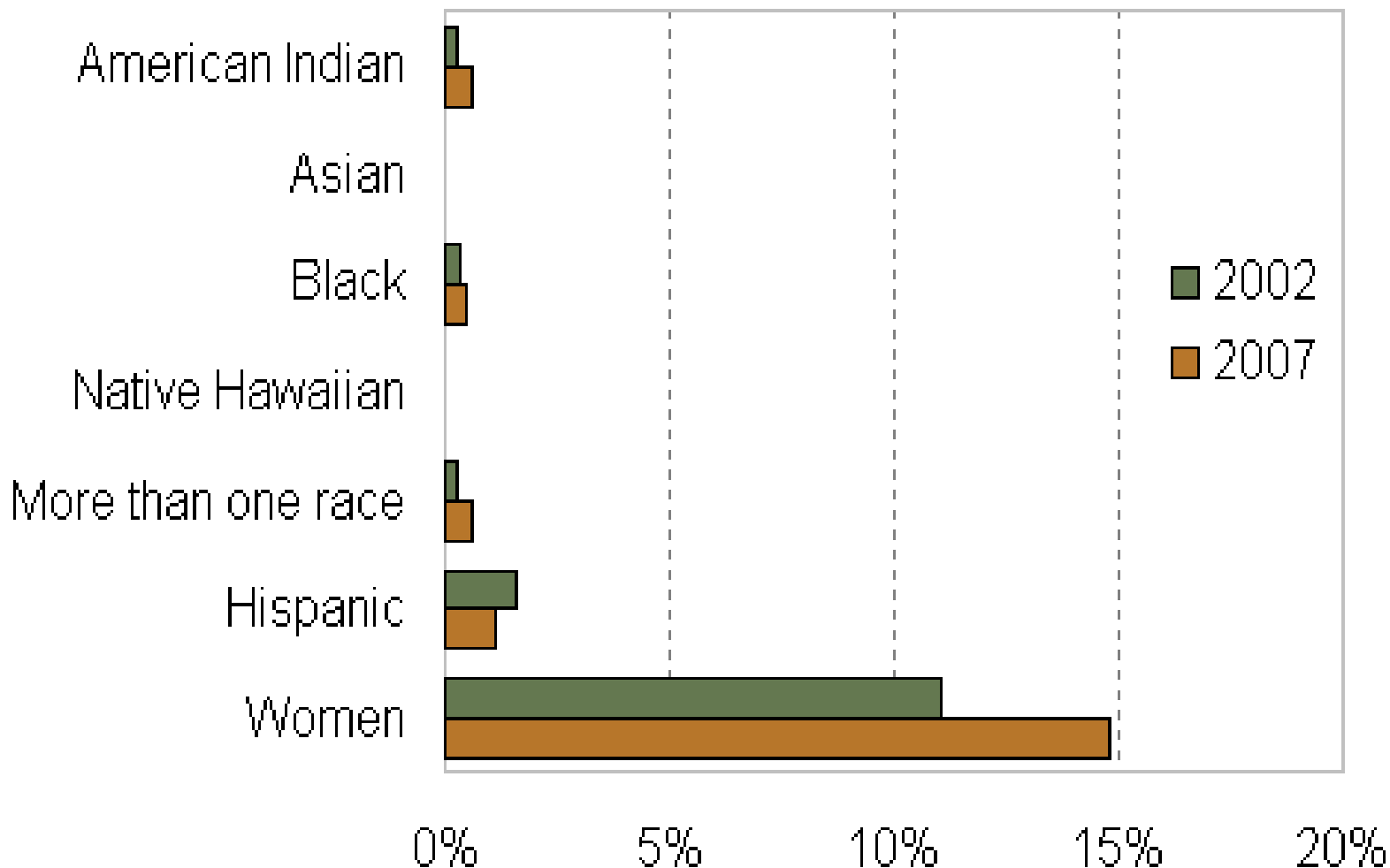
## Principal Operator Characteristics Percent Change 2002 to 2007



## Farm Sectors by Race, Ethnicity, and Gender 2007



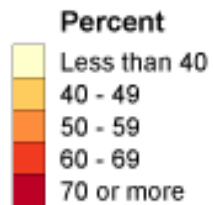
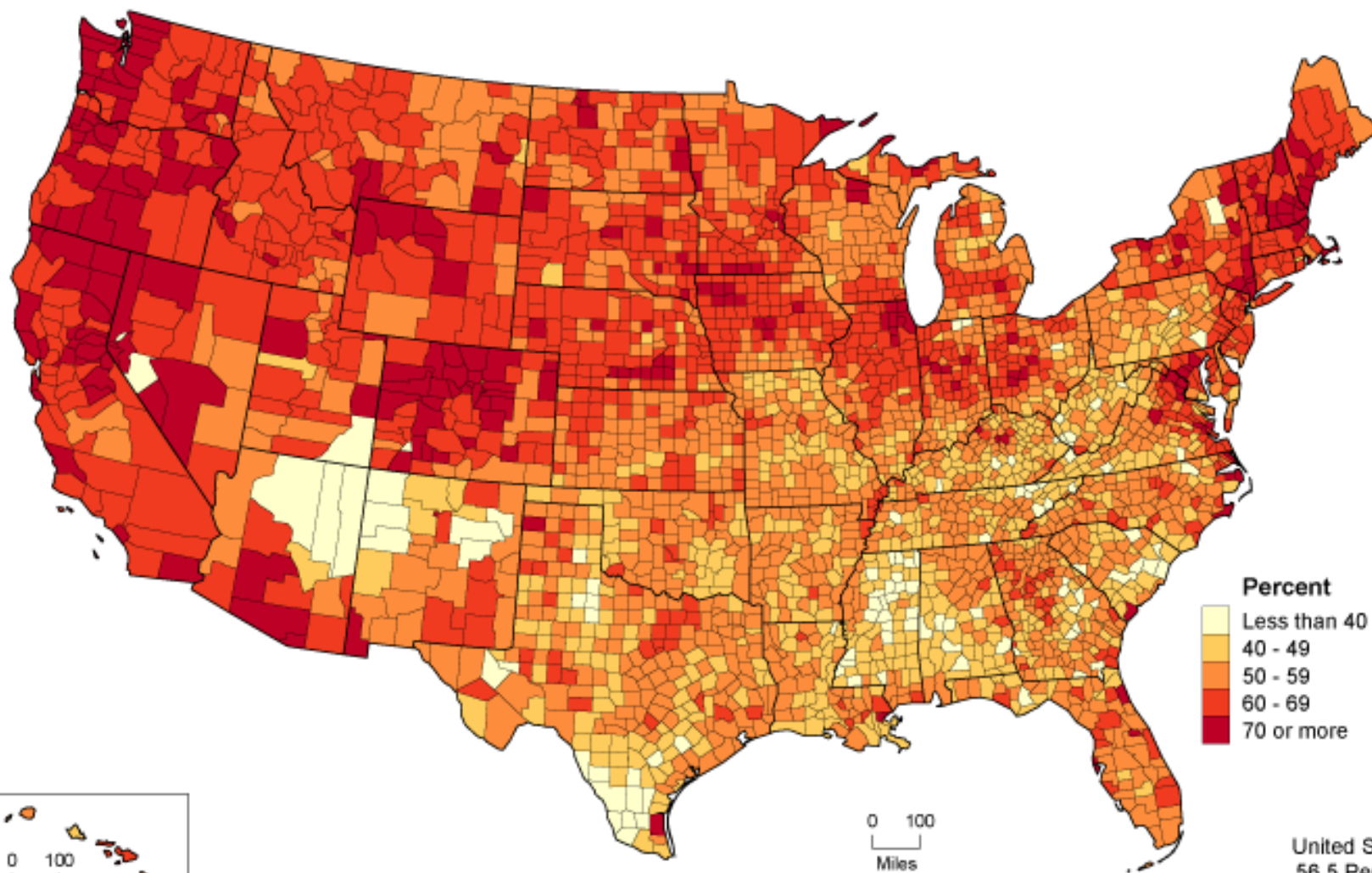
## Percent of Farm Operators by Race, Ethnicity, and Gender, 2007 and 2002



0 200  
Miles

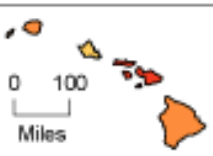


## Percent of Farms with Internet Access



United States  
56.5 Percent

0 100  
Miles



07-M251  
U.S. Department of Agriculture, National Agricultural Statistics Service

0 100  
Miles



# Other Michigan Census Data

- 45% of all farms had a positive net farm income
- Farms employed 86,000 with \$607 million payroll
- 1,499 farms hired migrant labor in 2007
- 43% of farms had more than one operator
- 47% of farms had women involved
- 3% of land in farms was enrolled in conservation
- Agri-tourism--\$22.9 million of Farm-Related income
- 4% of farms produced and sold value-added products
- Nearly 500 farms marketed products through Community Supported Agriculture (CSA)



## Other Michigan Census Data, cont'd.

- Principal Operators:
  - over 63% worked off the farm
  - 73% received less than 25% of income from the farm
  - 56% had a non-farm occupation
  - 15% were women
  - 9% have lived on the present farm less than five years
  - 59% have Internet access
  - Age:
    - >average increased from 54.2 in 2002 to 56.3 in 2007
    - >27% principal operators were 65 or older
    - >5% principal operators were under 35 years old

## 5 Leading Michigan Counties by Value of Sales

Allegan	\$397.5 million	hogs, poultry, milk, nursery, grains
Ottawa	\$391.1 million	nursery, poultry, fruit, milk, hogs
Huron	\$374.5 million	grains, milk, cattle & calves
Sanilac	\$216.7 million	grains, milk, cattle & calves
Ionia	\$201.2 million	poultry, grains, cattle & calves

# 2007 Census of Agriculture Publications

## Publications

- U.S. Volume 1
- State Volume 1
- State Profiles
- County Profiles
- Agricultural Atlas
- Congressional Profile
- State Legislative District
- Zip Code Tabulation
- Watershed Tabulation

## Internet Product

2/04/09

2/04/09

2/04/09

2/04/09

2/04/09

4/30/09

6/01/09 tentative

7/01/09

7/01/09

CD and Flash Drive products will be available at a later date.



# Supplemental Surveys

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- Farm and Ranch Irrigation Survey
  - Currently Underway
  - Results Available Late 2009
- Organic Production Survey
  - To be conducted Spring 2009
  - Results Available Late 2009

**USDA** United States Department of Agriculture  
**The Census of Agriculture**  
National Agricultural Statistics Service

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## 2007 Census Publications

### Online Census Highlights

See overviews of the country and areas within it. See how they compare through profiles or interactive maps. See summary figures on the main topics covered by the Census.

### Overviews and Comparisons

**Quick Stats**  
Query the 2007 Census of Agriculture database to retrieve customized tables with Census data at the national, state and county levels. [More](#)

**Desktop Data Query Tool**  
This downloadable desktop application allows users to search Census data by table and export that information in .csv format. The application contains all 2007 Census data and cross tabulation tables. [More](#)

**Ag Atlas Maps**  
Agricultural Atlas maps graphically illustrate a profile of the nation's agriculture at the county-level in a series of multicolor pattern and dot maps. [More](#)

### Key Topics

#### Special Studies

Special interest reports that combine narrative with numerical data. These reports take a closer look at specific sectors of agriculture to illustrate current trends among U.S. farmers and agricultural operations.

- American Indian Reservations - available Spring 2009
- Watershed - available May 2009
- Farm & Ranch Irrigation Survey - available November 2009

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▸ 2002 Census  
▸ 1997 Census  
▸ 1992 Census  
▸ Historical Years

**Census by State**  
Select a State

# 2012 Census: Looking Ahead

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- Content Team already formed
- Ideas for changes, new questions
- Comments to:  
*nass@nass.usda.gov*

# Information & Questions

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**Internet:**

**<http://www.nass.usda.gov>**

**Michigan Field Office**

**1-800-453-7501**



# 2007 Census of Agriculture Highlights

- Value of sales \$5.75 billion, up nearly \$2 billion from 2002
- Production expenses \$1.5 billion higher than 2002
- Approximately 3,000 additional farms compared to 2002
- Land in farms down slightly
- Nearly 80% of farms < 180 acres, only 1% > 2,000 ac, 3.5% > 1,000 acres
- More farms with 1-179 acres & 2,000 acres but lost farms with 180-1,999 acres
- Typology: 73% of farms (limited resources, retirement, residential/lifestyle); 3% non-family farms
- 4% of farms account for 68% of sales: 61% of farms have sales < \$10,000
- Farms employed nearly 86,000 with payroll of \$607 million

# 2007 Census of Agriculture Highlights (cont'd.)

- 6.4% of all cropland was irrigated: corn for grain – 49%
- Top Commodity Sectors in Michigan:
  - Grains, oil seeds, dry beans – 30% of sales
  - Milk and dairy products – 22%
  - Nursery, floriculture, greenhouse – 11%
- Top 5 Counties: Allegan, Ottawa, Huron, Sanilac, and Ionia
- 70% of operators were full owners
- 87% family operated, 8% partnership, 4% corp., 1% estate
- 56% of farm operators have another occupation
- Organic production totaled nearly \$32 million
- Direct Marketing \$37 million, 500 farms sold using CSA's
- Agri-tourism approached \$23 million on 645 farms
- Roughly one-half of farm operators at least 55 years old