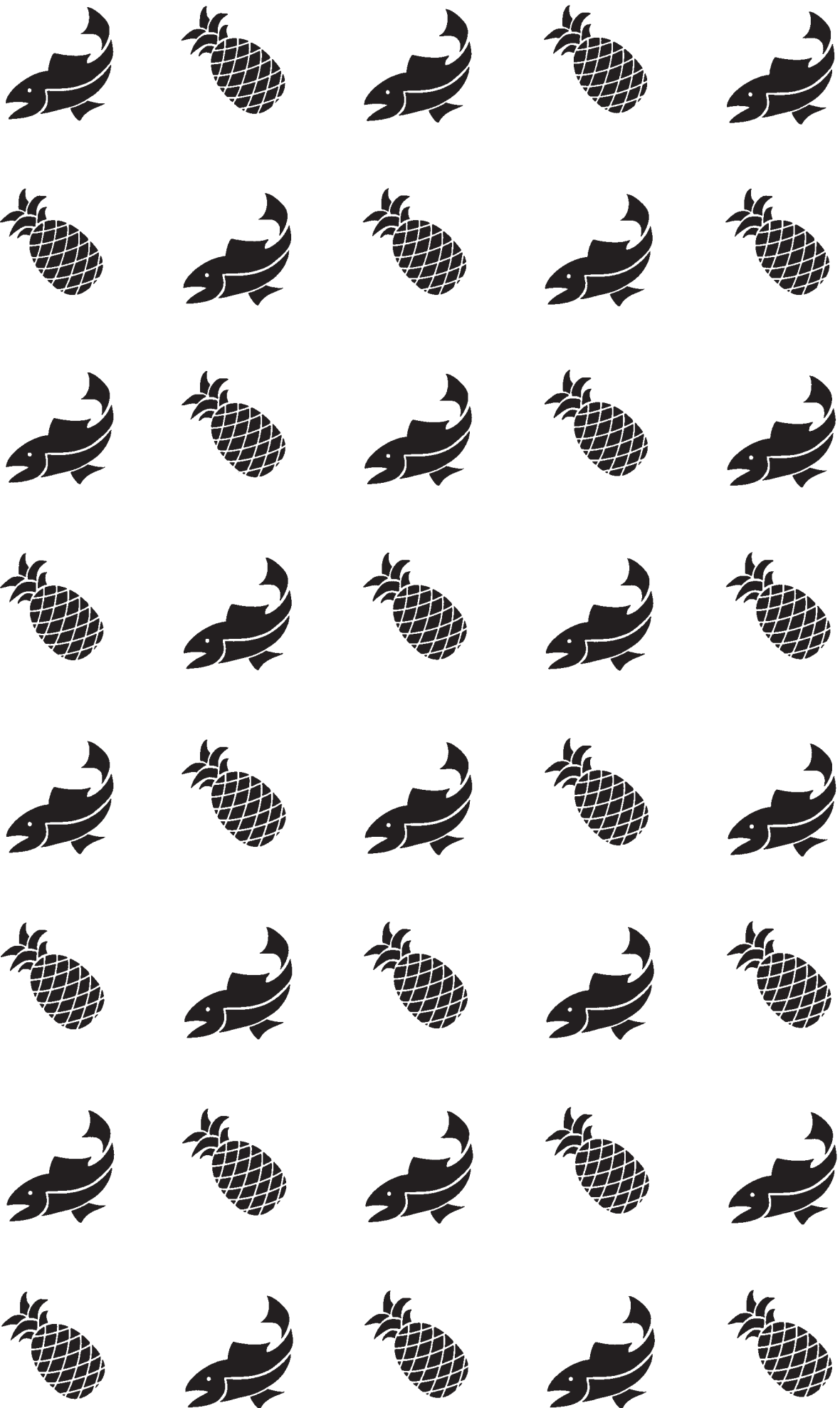


Agriculture & Aquaculture



Section 5

AGRICULTURE & AQUACULTURE

This section includes statistics on agriculture and aquaculture. Statistics about farms are presented along with the value and distribution of farm and other land based herbaculture production. Fish catches and other aquaculture statistics are given.

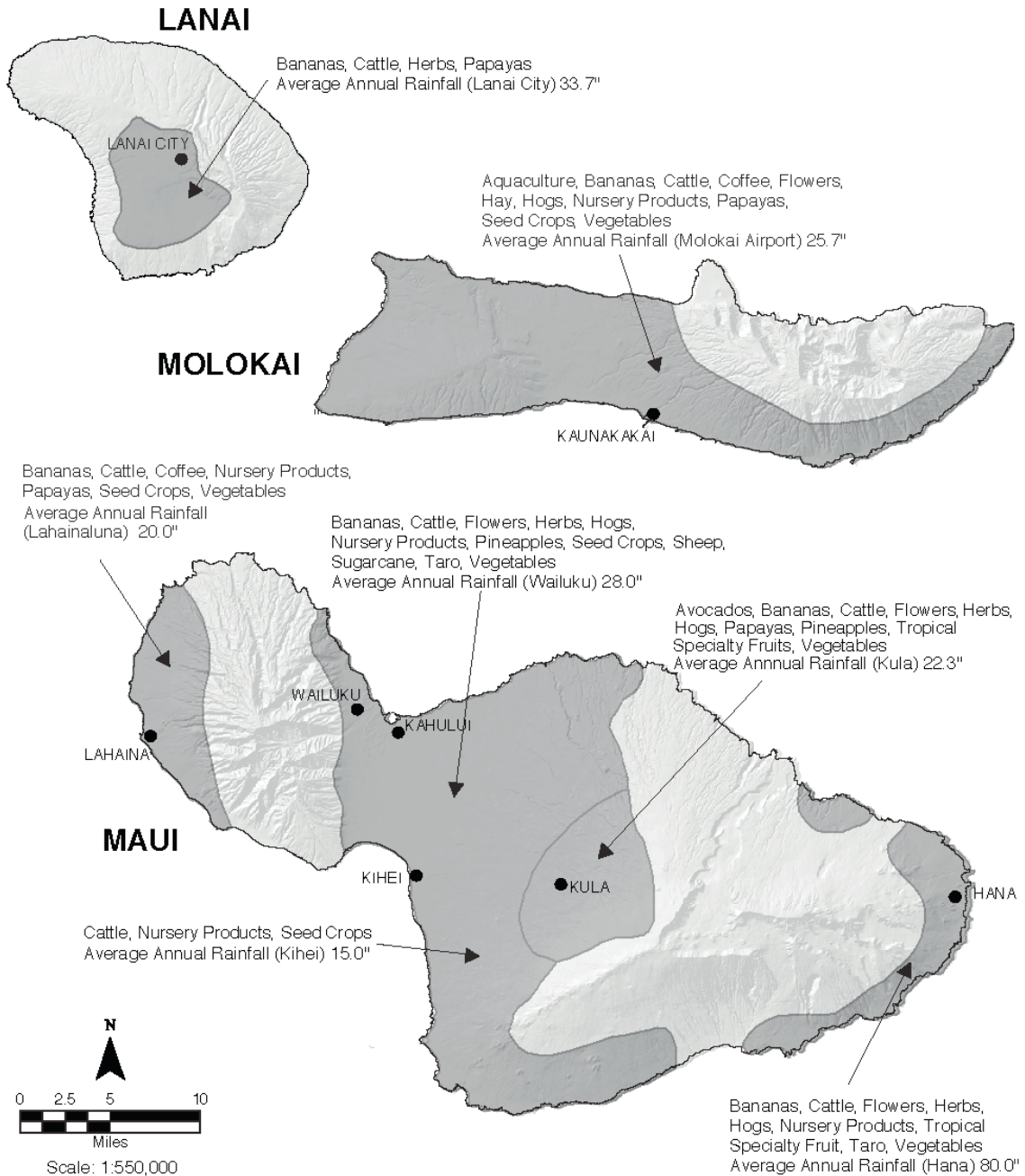
Maui's last sugar plantation closed in 2016 and therefore data on sugarcane has been discontinued. Coffee production in the state is now featured.

Agriculture remains an important element in Maui County's economy and land use patterns. The trend toward diversification of agriculture continues.

The data in this section comes mainly from the 2012 U.S. Census of Agriculture, the Hawai'i Agriculture Statistics Service, specific crop producers, and the Hawai'i State Department of Land and Natural Resources.

5.1.1

**AGRICULTURAL AREAS
MAUI COUNTY**



SOURCE: HAWAII DEPARTMENT OF AGRICULTURE, AGRICULTURAL DEVELOPMENT DIVISION, AND U.S. DEPARTMENT OF AGRICULTURE, NATIONAL AGRICULTURAL STATISTICS SERVICE. STATISTICS OF HAWAII AGRICULTURE, 2011.

5.1.2

**TENURE AND CHARACTERISTICS OF FARM OPERATORS
AND TYPES OF FARM ORGANIZATION
MAUI COUNTY**

| | 1997 | 2002 | 2007 | 2012 |
|--|---------|---------|---------|---------|
| Tenure of Operator | | | | |
| Full Owners | | | | |
| Farms | 460 | 529 | 827 | 774 |
| Acres | 81,616 | 82,274 | 62,325 | 94,317 |
| Part Owners | | | | |
| Farms | 137 | 115 | 138 | 151 |
| Acres | 188,649 | 135,661 | 141,052 | 108,528 |
| Owned land in farms (acres) | 140,909 | 102,342 | 105,762 | 75,931 |
| Rented land in farms (acres) | 47,740 | 33,319 | 35,290 | 32,597 |
| Tenants | | | | |
| Farms | 209 | 179 | 191 | 203 |
| Acres | 21,825 | 38,755 | 22,191 | 26,321 |
| Operator Characteristics | | | | |
| Place of Residence | | | | |
| On farm operated | 536 | 623 | 929 | 840 |
| Not on farm operated | 215 | 200 | 227 | 288 |
| Not reported | 55 | NA | NA | NA |
| Principal Occupation | | | | |
| Farming | 372 | 434 | 515 | 609 |
| Other | 434 | 389 | 641 | 519 |
| Days of Work Off Farm¹ | | | | |
| None | 290 | 413 | 229 | 406 |
| Any | 455 | 410 | 927 | 722 |
| 1 to 49 days | 59 | 47 | 155 | 100 |
| 50 to 99 days | 33 | 36 | 151 | 125 |
| 100 to 199 days | 86 | 63 | 166 | 144 |
| 200 days or more | 277 | 264 | 455 | 353 |
| Not reported | 61 | NA | NA | NA |
| Years on Present Farm | | | | |
| 2 years or less | 42 | 46 | 51 | 36 |
| 3 or 4 years | 47 | 66 | 68 | 89 |
| 5 to 9 years | 171 | 189 | 284 | 201 |
| 10 years or more | 406 | 522 | 753 | 802 |
| Average years on present farm | 14.3 | 15.3 | 16.7 | 19.1 |
| Not reported | 140 | NA | NA | NA |

5.1.2
CONTINUED

| | 1997 | 2002 | 2007 | 2012 |
|---|-------------|-------------|-------------|-------------|
| Age Group | | | | |
| Under 25 years | 7 | 4 | 4 | 4 |
| 25 to 34 years | 24 | 26 | 32 | 37 |
| 35 to 44 years | 182 | 108 | 89 | 78 |
| 45 to 54 years | 270 | 310 | 314 | 227 |
| 55 to 59 years | 107 | 117 | 242 | 212 |
| 60 to 64 years | 59 | 82 | 197 | 215 |
| 65 to 69 years | 45 | 54 | 129 | 145 |
| 70 years and over | 112 | 122 | 149 | 210 |
| Average age | 53.0 | 55.0 | 57.7 | 59.0 |
| Male | | | | |
| Farms | 681 | 659 | 856 | 873 |
| Acres | 275,346 | 241,920 | 217,574 | 201,222 |
| Female | | | | |
| Farms | 125 | 164 | 300 | 255 |
| Acres | 16,744 | 14,770 | 7,994 | 27,944 |
| Type of Organization | | | | |
| Individual or Family (sole proprietorship) | | | | |
| Farms | 679 | 701 | 975 | 904 |
| Acres | 31,942 | D | 34,647 | 65,110 |
| Partnership | | | | |
| Farms | 44 | 37 | 66 | 96 |
| Acres | 34,620 | 11,357 | 11,751 | 32,275 |
| Corporation (family held) | | | | |
| Farms | 56 | 58 | 69 | 64 |
| Acres | 101,236 | 76,424 | 114,456 | 113,188 |
| Corporation (other than family held) | | | | |
| Farms | 13 | 17 | 33 | 27 |
| Acres | 123,312 | 99,056 | 60,646 | D |
| Other (cooperative, estate or trust, institutional, etc.) | | | | |
| Farms | 14 | 10 | 13 | 37 |
| Acres | 980 | D | 4,068 | D |

D: Withheld to avoid disclosing data for individual farms

NA: Not available

1. Number of days of work off farm revised 2002.

SOURCE: U.S. DEPARTMENT OF AGRICULTURE, NATIONAL AGRICULTURAL STATISTICS SERVICE, CENSUS OF AGRICULTURE.

5.1.3

FARMS AND LAND IN FARMS MAUI COUNTY

| | 1997 | 2002 | 2007 | 2012 |
|--|----------------|----------------|----------------|----------------|
| Farms | 806 | 823 | 1,156 | 1,128 |
| Land in Farms | 292,090 | 256,690 | 225,568 | 229,166 |
| Average size of farms (acres) | 362 | 312 | 195 | 203 |
| Median size of farms (acres) | 6 | 5 | 5 | 5 |
| Estimated Market Value of Land & Buildings¹ | | | | |
| Average per farm (\$) | 818,342 | 1,251,598 | 1,601,950 | 1,998,208 |
| Average per acre (\$) | 2,258 | 4,112 | 8,210 | 9,836 |
| Estimated Market Value of Machinery & Equipment¹ | | | | |
| Average per farm (\$) | 88,989 | 58,849 | 52,480 | 53,228 |
| Farms by Size | | | | |
| 1 to 9 acres | 468 | 505 | 766 | 711 |
| 10 to 49 acres | 233 | 212 | 289 | 293 |
| 50 to 179 acres | 48 | 56 | 48 | 61 |
| 180 to 499 acres | 29 | 20 | 21 | 24 |
| 500 to 999 acres | 5 | 7 | 11 | 10 |
| 1,000 acres or more | 23 | 23 | 21 | 29 |
| Total Cropland | | | | |
| Farms | 684 | 692 | 975 | 902 |
| Acres | D | 60,729 | 54,557 | 49,578 |
| Harvested Cropland | | | | |
| Farms | 605 | 649 | 928 | 852 |
| Acres | 32,243 | 28,404 | 26,528 | D |
| Irrigated Land | | | | |
| Farms | 480 | 462 | 650 | 603 |
| Acres | 35,031 | 26,855 | 28,027 | 41,548 |
| Value of Agricultural Products Sold (\$1,000) | 128,385 | 124,511 | 139,326 | 188,100 |
| Crops, including greenhouse & nursery crops | 116,084 | 116,645 | 132,058 | 181,480 |
| Livestock, poultry, and their products | 12,301 | 7,866 | 7,268 | 6,620 |
| Value of Agricultural Products Sold per Farm (\$) | 159,287 | 151,289 | 120,524 | 166,755 |

1. Data based on a sample of farms.

D: Withheld to avoid disclosing data for individual farms

SOURCE: U.S. DEPARTMENT OF AGRICULTURE, NATIONAL AGRICULTURAL STATISTICS SERVICE, CENSUS OF AGRICULTURE.

5.1.4

FARM EMPLOYMENT MAUI COUNTY

| | 1997 | 2002 | 2007 | 2012 |
|---|--------|--------|--------|--------|
| Number of Farms Hiring | 234 | 267 | 245 | 328 |
| Number of Farms Hiring Migrant Workers | NA | 5 | 17 | 6 |
| Hired Workers | 2,573 | 2,804 | 2,051 | 2,311 |
| Worked 150 days or more | 1,685 | 1,856 | 1,386 | 1,655 |
| Migrant workers | NA | NA | NA | 26 |
| Payroll (\$1,000) | 42,470 | 52,542 | 47,311 | 99,270 |

NA: Not available

SOURCE: U. S. DEPARTMENT OF AGRICULTURE, NATIONAL AGRICULTURAL STATISTICS SERVICE, CENSUS OF AGRICULTURE.

5.1.5

LIVESTOCK: NUMBER OF OPERATIONS AND VALUE OF SALES, MAUI COUNTY

| | 1997 | 2002 | 2007 | 2012 |
|--|-------|-------|-------|-------|
| Number of Livestock Operations, December 31 | | | | |
| Cattle | 179 | 145 | 190 | 204 |
| Hogs | 63 | 54 | 57 | 81 |
| Goats | 13 | 12 | 86 | 131 |
| Sheep and lambs | 10 | 9 | 33 | 24 |
| Horses | 145 | 107 | 175 | 112 |
| Poultry | 54 | 48 | 119 | 119 |
| Bees | 6 | 8 | 41 | 50 |
| Aquaculture | 2 | 8 | 2 | 18 |
| Value of Livestock Sales (\$1,000) | | | | |
| Cattle | 5,420 | 4,670 | 5,689 | 5,231 |
| Hogs | D | 946 | 724 | D |
| Goats | D | NA | NA | 210 |
| Sheep and lambs | 7 | NA | NA | 21 |
| Horses | 102 | NA | NA | 51 |
| Poultry | D | NA | NA | NA |
| Bees | D | NA | NA | 96 |
| Aquaculture | D | D | D | D |

D: Withheld to avoid disclosure of individual operations

NA: Not available

SOURCE: U. S. DEPARTMENT OF AGRICULTURE, NATIONAL AGRICULTURAL STATISTICS SERVICE, CENSUS OF AGRICULTURE.

5.1.6

VEGETABLES ACREAGE AND NUMBER OF FARMS, MAUI COUNTY

| | 2007 | | 2012 | |
|--------------------------|------------|--------------|------------|--------------|
| | Farms | Acres | Farms | Acres |
| Artichokes | 1 | D | 1 | D |
| Asparagus | 8 | D | 6 | D |
| Beans, Green Lima | 0 | 0 | 3 | 1 |
| Beans, Snap | 21 | 30 | 28 | 38 |
| Beets | 10 | 3 | 13 | 7 |
| Broccoli | 6 | D | 11 | 69 |
| Cabbage, Chinese | 11 | 30 | 20 | 52 |
| Cabbage, Head | 16 | 114 | 16 | 106 |
| Cabbage, Mustard | 4 | 1 | 9 | 15 |
| Carrots | 5 | 1 | 6 | 2 |
| Celery | 4 | D | 2 | D |
| Cucumbers and Pickles | 15 | 196 | 18 | 236 |
| Daikon | 4 | D | 3 | 11 |
| Eggplant | 34 | 15 | 40 | 23 |
| Garlic | 0 | 0 | 1 | D |
| Herbs | 22 | 27 | 15 | 56 |
| Kale | 12 | 5 | 14 | 4 |
| Lettuce, All | 29 | 54 | 39 | 62 |
| Mustard Greens | 13 | 2 | 4 | 1 |
| Okra | 4 | 4 | 11 | 2 |
| Onions, Dry | 25 | D | 23 | D |
| Onions, Green | 19 | 25 | 33 | 31 |
| Parsley | 12 | D | 15 | 36 |
| Peas, Chinese | 3 | D | 4 | 2 |
| Peppers, Bell | 1 | D | 6 | D |
| Peppers, Other than Bell | 9 | D | 2 | D |
| Potatoes | 4 | 4 | 13 | 4 |
| Pumpkins | 19 | 13 | 24 | D |
| Radishes | 8 | 5 | 9 | 19 |
| Squash, All | 18 | 91 | 20 | 131 |
| Sweet Corn | 27 | 49 | 40 | 95 |
| Sweet Potatoes | 17 | 98 | 32 | D |
| Tomatoes | 20 | D | 42 | 89 |
| Turnips | 3 | D | 3 | 1 |
| Watercress | 4 | 1 | 4 | D |
| Other Vegetables | 105 | 148 | 60 | 276 |
| Total | 210 | 1,118 | 221 | 1,798 |

D: Withheld to avoid disclosure of individual operations

SOURCE: U. S. DEPARTMENT OF AGRICULTURE, NATIONAL AGRICULTURAL STATISTICS SERVICE, CENSUS OF AGRICULTURE.

5.1.7

**COFFEE
STATE OF HAWAI'I**

| | Cherry Basis | | | |
|-----------|-----------------|----------------|------------------|--------------------|
| | Bearing Acreage | Yield per Acre | Total Production | Harvested not Sold |
| | (1,000 acres) | (1,000 pounds) | (1,000 pounds) | (1,000 pounds) |
| 2015-2016 | 6.9 | 4.60 | 31,740 | 1,603 |
| 2016-2017 | 7.0 | 4.18 | 29,260 | 689 |
| 2017-2018 | 7.3 | 3.42 | 24,966 | 709 |

| Basis | Utilized Production | Price per Pound | Value of Utilized Production |
|------------------|---------------------|-----------------|------------------------------|
| | (1,000 pounds) | (\$) | (\$1,000) |
| Cherry | | | |
| 2015-2016 | 30,137 | 1.55 | 46,712 |
| 2016-2017 | 28,571 | 1.71 | 48,856 |
| 2017-2018 | 24,257 | 1.79 | 43,420 |
| Parchment | | | |
| 2015-2016 | 6,600 | 9.38 | 61,908 |
| 2016-2017 | 5,400 | 11.10 | 59,940 |
| 2017-2018 | 5,300 | 11.00 | 58,300 |
| Green | | | |
| 2015-2016 | 5,280 | 10.50 | 55,440 |
| 2016-2017 | 4,320 | 16.50 | 71,280 |
| 2017-2018 | 4,240 | 14.30 | 60,632 |

SOURCE: U.S. DEPARTMENT OF AGRICULTURE, NATIONAL AGRICULTURAL STATISTICS SERVICE.

5.1.8

FRUITS AND NUTS MAUI COUNTY

| | 2007 | | 2012 | |
|-------------------------|------------|--------------|------------|--------------|
| | Farms | Acreage | Farms | Acreage |
| Noncitrus Fruits | 549 | 1,916 | 440 | 1,512 |
| Apples | 3 | D | 4 | D |
| Avocados | 232 | 154 | 193 | D |
| Bananas | 268 | 277 | 232 | 199 |
| Coffee | 76 | D | 77 | D |
| Grapes | 4 | D | 1 | D |
| Guavas | 50 | 43 | 28 | 20 |
| Mangoes | 66 | D | 59 | 36 |
| Papayas | 84 | 125 | 71 | 101 |
| Passion Fruit | 37 | 14 | 38 | 14 |
| Peaches | 5 | D | 6 | D |
| Pears | 2 | D | 0 | 0 |
| Persimmons | 32 | 50 | 19 | 39 |
| Pomegranates | 0 | 0 | 5 | 1 |
| Other | 185 | D | 120 | 182 |
| Citrus Fruits | 221 | 190 | 206 | 161 |
| Grapefruit | 51 | 10 | 34 | 11 |
| Kumquats | 0 | 0 | 2 | D |
| Lemons | 95 | 23 | 98 | 30 |
| Limes | 120 | 42 | 84 | 36 |
| Oranges, All | 131 | 86 | 78 | 41 |
| Tangelos | 41 | D | 21 | D |
| Tangerines | 72 | 19 | 57 | 19 |
| Other | 8 | D | 47 | 22 |
| Nuts | 77 | 242 | 71 | 592 |
| Macadamia Nuts | 58 | 236 | 58 | 574 |
| Other Nuts | 19 | 6 | 16 | 18 |

D: Withheld to avoid disclosure of individual operations

Note: Totals may not add due to rounding.

SOURCE: U. S. DEPARTMENT OF AGRICULTURE, NATIONAL AGRICULTURAL STATISTICS SERVICE, CENSUS OF AGRICULTURE.

5.1.9

FLORICULTURE AND NURSERY PRODUCTS MAUI COUNTY

Number of farms and growing area

| 2012 | Farms | Sq ft under glass | Open acreage | Value of sales (\$) |
|-------------------------|-------|-------------------|--------------|---------------------|
| Aquatic plants | 4 | 0 | 3 | D |
| Bulbs and tubers | 7 | 3,300 | D | 8,350 |
| Cuttings and seedlings | 11 | D | D | D |
| Bedding & garden plants | 26 | D | D | 450,777 |
| Cut flowers | 168 | 180,196 | 419 | 3,419,390 |
| Foliage, indoor | 7 | D | D | 68,874 |
| Potted flowering plants | 43 | 283,653 | 40 | 2,068,928 |
| Nursery stock crops | 83 | 190,880 | 121 | D |
| Sod | 6 | 0 | 22 | D |
| Vegetable seeds | 4 | 0 | 36 | 15,180 |
| Vegetable transplants | 4 | 3,400 | D | D |

D: Withheld to avoid disclosure of individual operations

SOURCE: U. S. DEPARTMENT OF AGRICULTURE, NATIONAL AGRICULTURAL STATISTICS SERVICE, CENSUS OF AGRICULTURE.

5.1.10

FARM MACHINERY AND EQUIPMENT, MAUI COUNTY

| | 1997 | 2002* | 2007 | 2012 |
|---------------------------------|--------|--------|--------|--------|
| Value of all equipment (\$1000) | 71,547 | 44,843 | 60,352 | 60,042 |
| Average per farm (\$) | 88,989 | 58,849 | 52,480 | 53,228 |
| Trucks | | | | |
| Farms | NA | NA | 862 | 774 |
| Number | NA | NA | 1,362 | 1,347 |
| Tractors | | | | |
| Farms | 442 | 453 | 547 | 554 |
| Number | 914 | 881 | 974 | 1,032 |
| Grain and bean combines | | | | |
| Farms | 3 | 1 | 1 | 6 |
| Number | 4 | D | D | 9 |
| Forage harvesters | | | | |
| Farms | NA | NA | 13 | 5 |
| Number | NA | NA | 13 | 5 |
| Hay balers | | | | |
| Farms | 1 | 2 | 3 | 1 |
| Number | D | D | 3 | D |

* 2002 data are based on a sample of farms.

D: Withheld to avoid disclosure of individual operations. NA: Not available

SOURCE: U. S. DEPARTMENT OF AGRICULTURE, NATIONAL AGRICULTURAL STATISTICS SERVICE, CENSUS OF AGRICULTURE.

5.1.11

FERTILIZERS AND CHEMICALS APPLIED MAUI COUNTY

In acres

| | 1997 | 2002 | 2007 | 2012 |
|---|--------|--------|--------|--------|
| Commercial fertilizer | 52,334 | 51,645 | 42,248 | 40,923 |
| Manure | NA | 313 | 395 | 1,214 |
| Acres treated to control | | | | |
| Insects | 7,945 | 9,901 | 5,566 | 4,424 |
| Weeds | 43,103 | 40,933 | 28,416 | 46,098 |
| Nematodes | 4,581 | 1,730 | 2,812 | 861 |
| Diseases in crops | D | 3,165 | 1,757 | 1,647 |
| Chemicals used to control growth, thin fruit, ripen or defoliate | D | D | D | D |

D: Data not provided to avoid disclosing individual information

NA: Not available

SOURCE: U. S. DEPARTMENT OF AGRICULTURE, NATIONAL AGRICULTURAL STATISTICS SERVICE, CENSUS OF AGRICULTURE.

5.1.12

ORGANIC AGRICULTURE STATE OF HAWAI'I

| 2012 | State of Hawai'i | Hawai'i County | Honolulu County | Kaua'i County | Maui County |
|---|---------------------|-------------------|--------------------|------------------|----------------|
| USDA Certified organic farms | 129 | 89 | 8 | 5 | 27 |
| USDA Exempt from certification organic farms ¹ | 97 | 46 | 11 | 5 | 35 |
| Farms transitioning to organic | 36 | 22 | 2 | 4 | 8 |
| Value of sales of Certified or Exempt organically produced commodities | | | | | |
| Number of farms | 184 | 114 | 15 | 9 | 46 |
| Total organic product sales (\$1,000) | 6,362 | 3,220 | 717 | 1,516 | 909 |
| Farms by value of sales | | | | | |
| \$1 to \$4,999 | 103 | 59 | 11 | 4 | 29 |
| \$5,000 or more | 81 | 55 | 4 | 5 | 17 |

1. Small organic farms with gross agricultural income from organic sales less than \$5,000 per year.

SOURCE: U. S. DEPARTMENT OF AGRICULTURE, NATIONAL AGRICULTURAL STATISTICS SERVICE, CENSUS OF AGRICULTURE.

5.1.13

**AGRICULTURAL TOURISM
BY COUNTY**

| | State of Hawai'i | Hawai'i County | Honolulu County | Kaua'i County | Maui County |
|-----------------|---------------------|-------------------|--------------------|------------------|----------------|
| 2012 | | | | | |
| Farms | 233 | 106 | 36 | 39 | 52 |
| Value (\$1,000) | 17,768 | 1,029 | 6,449 | 3,874 | 6,416 |
| 2007 | | | | | |
| Farms | 121 | 58 | 24 | 9 | 30 |
| Value (\$1,000) | 22,911 | D | 6,647 | D | 8,464 |

Note: Agricultural tourism is a commercial enterprise on a working farm conducted for the enjoyment, education, and/or active involvement of the visitor, generating supplemental income for the farm. Activities such as producing and selling products directly from the farm, operating a bed and breakfast, conducting educational farm tours, offering horseback riding, festivals, concerts, and many other on-farm activities qualify as ag-tourism.

SOURCE: U. S. DEPARTMENT OF AGRICULTURE, NATIONAL AGRICULTURAL STATISTICS SERVICE, CENSUS OF AGRICULTURE.

5.1.14

**FARM INCOME AND EXPENSES
MAUI COUNTY**

In thousands of dollars

| | 2007 | 2012 |
|--|---------------|--------------|
| Income | | |
| Total sales | 139,326 | 188,100 |
| Total income from farm-related sources, gross before tax and expenses | 14,642 | 8,761 |
| Customwork and other agricultural services | 306 | 448 |
| Gross cash rent or share payments | D | 1,533 |
| Sales of forest products | D | D |
| Agri-tourism and recreational services | 8,464 | 6,416 |
| Patronage dividends and refunds from cooperatives | D | D |
| Crop and livestock insurance payments | D | 146 |
| Amount from state and local government payments | D | 184 |
| Other farm-related income sources | D | 92 |
| Total federal government payments | 688 | 558 |
| Total farm production expenses | 129,617 | 195,907 |
| Fertilizer and lime purchased | 7,976 | 15,426 |
| Chemicals purchased | 4,008 | 12,092 |
| Seeds, plants, vines and trees purchased | 3,810 | 5,534 |
| Livestock purchased | 601 | 679 |
| Feed purchased | 3,669 | 3,261 |
| Petroleum products purchased | 7,316 | 11,492 |
| Utilities | 9,857 | 3,978 |
| Repairs, supplies and maintenance costs | 21,992 | 23,095 |
| Hired farm labor | 47,311 | 99,270 |
| Contract labor | 2,530 | 1,670 |
| Customwork and custom hauling | 138 | 341 |
| Cash rent for land, building and grazing fees | 3,409 | 2,037 |
| Rent and lease expenses | 996 | 593 |
| Interest expense | 2,019 | 1,988 |
| Property tax paid | 2,170 | 2,294 |
| All other production expenses | 11,815 | 12,157 |
| Net cash farm income of the operations | 25,039 | 1,512 |

SOURCE: U.S. DEPARTMENT OF AGRICULTURE, NATIONAL AGRICULTURAL STATISTICS SERVICE, CENSUS OF AGRICULTURE.

5.2.1

SEA LANDINGS BY FISHING METHOD AND SPECIES GROUP STATE OF HAWAI'I

Pounds landed

| | 2011 | 2012 | 2013 | 2014 | 2015 |
|-----------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Fishing Method | | | | | |
| Aku Pole & Line | 347,898 | * | * | * | * |
| Longline | 25,710,602 | 25,858,879 | 26,946,146 | 23,807,814 | 32,635,674 |
| Deep Bottom Handline | 335,010 | 418,242 | 453,239 | 462,414 | 397,245 |
| Tuna Handline | 1,937,263 | 2,429,619 | 2,341,090 | 1,660,354 | 1,711,745 |
| Trolling | 2,987,387 | 3,677,653 | 3,117,723 | 3,417,836 | 3,016,724 |
| All Other | 1,252,373 | 1,324,155 | 1,430,017 | 1,274,772 | 1,233,685 |
| Total | 32,570,233 | 33,708,548 | 34,288,215 | 30,623,190 | 38,995,073 |
| Species Group | | | | | |
| Tunas | 19,990,624 | 21,407,164 | 21,578,691 | 18,309,846 | 24,514,890 |
| Bill & Swordfish | 5,602,336 | 4,497,917 | 4,514,726 | 4,052,962 | 5,916,944 |
| Misc. Pelagic | 5,168,115 | 6,002,848 | 6,501,895 | 6,617,202 | 6,941,202 |
| Deep Bottomfish | 358,441 | 406,750 | 442,574 | 455,028 | 398,148 |
| Akule/'Ōpelu | 600,526 | 527,486 | 511,068 | 536,655 | 635,832 |
| Inshore | 424,772 | 437,384 | 395,832 | 370,713 | 303,934 |
| All Other | 425,419 | 428,999 | 343,429 | 280,784 | 284,123 |
| Total | 32,570,233 | 33,708,548 | 34,288,215 | 30,623,190 | 38,995,073 |

* Due to low level of fishermen reporting and to preserve confidentiality, data for these methods are pooled under "All Other" group.

SOURCE: STATE OF HAWAI'I, DEPARTMENT OF LAND AND NATURAL RESOURCES, DIVISION OF AQUATIC RESOURCES,
COMMERCIAL MARINE LANDINGS SUMMARY TREND REPORT, CALENDAR YEAR REPORTS.

5.2.2

SEA LANDINGS BY PORT OF LANDING

Pounds landed

| Port of Landing | 2011 | 2012 | 2013 | 2014 | 2015 |
|--------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Maui County | 750,029 | 1,019,989 | 792,087 | 951,636 | 806,170 |
| Maui | 694,490 | 972,822 | 738,541 | 901,295 | 763,398 |
| Moloka'i | 43,004 | 40,308 | 46,423 | 40,506 | 35,902 |
| Lāna'i | 12,212 | 6,909 | 7,184 | 9,835 | 6,870 |
| O'ahu | 28,218,747 | 28,573,124 | 29,877,658 | 25,882,328 | 34,504,303 |
| Hawai'i | 2,885,270 | 3,114,925 | 2,796,997 | 3,017,653 | 2,909,455 |
| Kaua'i and Ni'ihau | 716,187 | 1,000,510 | 821,473 | 771,573 | 775,145 |
| Total | 32,570,233 | 33,708,548 | 34,288,215 | 30,623,190 | 38,995,073 |

SOURCE: STATE OF HAWAII, DEPARTMENT OF LAND AND NATURAL RESOURCES, DIVISION OF AQUATIC RESOURCES, COMMERCIAL MARINE LANDINGS SUMMARY TREND REPORT, CALENDAR YEAR REPORTS.

5.2.3

SEA LANDINGS BY AREA FISHED MAUI COUNTY

Pounds landed

| Area Fished | 2011 | 2012 | 2013 | 2014 | 2015 |
|-----------------------------------|---------|---------|---------|---------|---------|
| Kawai (Moloka'i Channel) | 16,226 | 24,374 | 19,675 | 30,859 | 16,283 |
| Penguin Bank | 103,726 | 144,954 | 133,663 | 127,220 | 112,043 |
| Kealaikahiki Channel | 38,431 | 36,448 | 44,958 | 80,128 | 62,602 |
| 'Alenuihāhā Channel | 86,559 | 120,913 | 88,649 | 162,585 | 113,565 |
| 'Au'au, Kalohi & Pailolo Channels | 38,416 | 34,042 | 40,454 | 38,725 | 34,498 |
| 'Alalākeiki Channel | 85,253 | 110,068 | 105,366 | 103,051 | 64,541 |
| Moloka'i | 41,815 | 41,987 | 43,523 | 39,838 | 22,061 |
| Lāna'i | 86,263 | 117,741 | 92,158 | 67,124 | 63,824 |
| Kaho'olawe | 31,701 | 127,785 | 18,526 | 9,368 | 4,020 |
| Mākena - Hāna | 40,113 | 23,339 | 32,199 | 23,506 | 26,348 |
| Hāna - Kahului | 210,469 | 242,300 | 177,724 | 215,436 | 265,400 |
| Honolua - Lahaina | 7,515 | 4,240 | 3,160 | 3,637 | 5,227 |
| Lahaina - Mākena | 65,645 | 71,801 | 71,056 | 67,769 | 54,979 |

SOURCE: STATE OF HAWAII, DEPARTMENT OF LAND AND NATURAL RESOURCES, DIVISION OF AQUATIC RESOURCES, COMMERCIAL MARINE LANDINGS SUMMARY TREND REPORT, CALENDAR YEAR REPORTS.