Table

Number Table Name

(Click on the table number to go to corresponding table)

Narrative

2012 and 2017 19.02 Farms, Market Value and Value of Sales: 2007, 2012 and 2017 19.03 Farms by Size, Land in Farms, and Value of Land, Buildings and Equipment, by County: 2017 19.04 Farm Production Expenses: 2007, 2012 and 2017 19.05 Farm Income and Expenses: 2018 to 2021 19.06 Farm Organization and Selected Primary Producer Characteristics: 2007, 2012 and 2017 19.07 Number of Farms, Farm Acreage, and Average Farm Employment: 2000 to 2022 19.08 Farm Employment: 1998 to 2021 19.09 Farm Employment, by County: 2006 to 2021 19.10 Value of Crop, Livestock, and Aquaculture Sales: 1995 to 2021 19.11 Crops, by Acreage and Sales: 2019 to 2022 19.12 Seed Crops, by Number of Farms, Acreage, Outshipments, and Value: 2005/2006 to 2021/2022 19.13 Selected Crops Harvested and Land in Orchards, by Number of Farms, Acres and Weight: 2007, 2012 and 2017 19.14 Specialty Crops, Fruits, and Vegetables: 2021 19.15 Specialty Crops, Fruits, and Vegetables: 2021 19.16 Top 20 Agricultural Commodities: 2021 19.17 Livestock Inventory: 1991 to 2022 19.18 Livestock Sales, by Type: 1990 to 2022 19.19 Livestock and Poultry, Inventory and Sales, by Number and Farms: 2007, 2012 and 2017 19.20 Floriculture and Nursery Products: 1998 to 2022 19.21 Selected Floriculture and Nursery Products, by Commodity: 2021 19.22 Aquaculture Operations, by Number of Workers and Value: 2016 to 2021 19.23 Agricultural Chemicals Used, Including Fertilizer: 2012 and 2017 19.24 Farms, Land, and Value of Sales of Certified Organic Agricultural Products: 2021 19.25 General Excise Tax Base for Producing: 1998 to 2022	Ivaliative	
19.02 Farms, Market Value and Value of Sales: 2007, 2012 and 2017 19.03 Farms by Size, Land in Farms, and Value of Land, Buildings and Equipment, by County: 2017 19.04 Farm Production Expenses: 2007, 2012 and 2017 19.05 Farm Income and Expenses: 2018 to 2021 19.06 Farm Organization and Selected Primary Producer Characteristics: 2007, 2012 and 2017 19.07 Number of Farms, Farm Acreage, and Average Farm Employment: 2000 to 2022 19.08 Farm Employment: 1998 to 2021 19.09 Farm Employment, by County: 2006 to 2021 19.10 Value of Crop, Livestock, and Aquaculture Sales: 1995 to 2021 19.11 Crops, by Acreage and Sales: 2019 to 2022 19.12 Seed Crops, by Number of Farms, Acreage, Outshipments, and Value: 2005/2006 to 2021/2022 19.13 Selected Crops Harvested and Land in Orchards, by Number of Farms, Acres and Weight: 2007, 2012 and 2017 19.14 Specialty Crops, Fruits, and Vegetables: 2021 19.15 Specialty Crops, Fruits, and Vegetables: 2021 19.16 Top 20 Agricultural Commodities: 2021 19.17 Livestock Inventory: 1991 to 2022 19.18 Livestock Sales, by Type: 1990 to 2022 19.19 Livestock and Poultry, Inventory and Sales, by Number and Farms: 2007, 2012 and 2017 19.20 Floriculture and Nursery Products: 1998 to 2022 19.21 Selected Floriculture and Nursery Products: 1998 to 2022 19.22 Aquaculture Operations, by Number of Workers and Value: 2016 to 2021 19.23 Agricultural Chemicals Used, Including Fertilizer: 2012 and 2017 19.24 Farms, Land, and Value of Sales of Certified Organic Agricultural Products: 2021 19.25 General Excise Tax Base for Producing: 1998 to 2022	<u>19.01</u>	Farms by Size, Land in Farms, and Value of Land, Buildings, and Equipment: 2007,
Farms by Size, Land in Farms, and Value of Land, Buildings and Equipment, by County: 2017 19.04 Farm Production Expenses: 2007, 2012 and 2017 19.05 Farm Income and Expenses: 2018 to 2021 19.06 Farm Organization and Selected Primary Producer Characteristics: 2007, 2012 and 2017 19.07 Number of Farms, Farm Acreage, and Average Farm Employment: 2000 to 2022 19.08 Farm Employment: 1998 to 2021 19.09 Farm Employment, by County: 2006 to 2021 19.10 Value of Crop, Livestock, and Aquaculture Sales: 1995 to 2021 19.11 Crops, by Acreage and Sales: 2019 to 2022 19.12 Seed Crops, by Number of Farms, Acreage, Outshipments, and Value: 2005/2006 to 2021/2022 19.13 Selected Crops Harvested and Land in Orchards, by Number of Farms, Acres and Weight: 2007, 2012 and 2017 19.14 Specialty Crops, Fruits, and Vegetables: 2021 19.15 Specialty Crops, Fruits, and Vegetables: 2022 19.16 Top 20 Agricultural Commodities: 2021 19.17 Livestock Inventory: 1991 to 2022 19.18 Livestock Sales, by Type: 1990 to 2022 19.19 Livestock and Poultry, Inventory and Sales, by Number and Farms: 2007, 2012 and 2017 19.20 Floriculture and Nursery Products: 1998 to 2022 19.21 Selected Floriculture and Nursery Products, by Commodity: 2021 19.22 Aquaculture Operations, by Number of Workers and Value: 2016 to 2021 19.23 Agricultural Chemicals Used, Including Fertilizer: 2012 and 2017 19.24 Farms, Land, and Value of Sales of Certified Organic Agricultural Products: 2021 19.25 General Excise Tax Base for Producing: 1998 to 2022		2012 and 2017
County: 2017 19.04 Farm Production Expenses: 2007, 2012 and 2017 19.05 Farm Income and Expenses: 2018 to 2021 19.06 Farm Organization and Selected Primary Producer Characteristics: 2007, 2012 and 2017 19.07 Number of Farms, Farm Acreage, and Average Farm Employment: 2000 to 2022 19.08 Farm Employment: 1998 to 2021 19.09 Farm Employment, by County: 2006 to 2021 19.10 Value of Crop, Livestock, and Aquaculture Sales: 1995 to 2021 19.11 Crops, by Acreage and Sales: 2019 to 2022 19.12 Seed Crops, by Number of Farms, Acreage, Outshipments, and Value: 2005/2006 to 2021/2022 19.13 Selected Crops Harvested and Land in Orchards, by Number of Farms, Acres and Weight: 2007, 2012 and 2017 19.14 Specialty Crops, Fruits, and Vegetables: 2021 19.15 Specialty Crops, Fruits, and Vegetables: 2021 19.16 Top 20 Agricultural Commodities: 2021 19.17 Livestock Inventory: 1991 to 2022 19.18 Livestock Sales, by Type: 1990 to 2022 19.19 Elivestock Sales, by Type: 1990 to 2022 19.20 Floriculture and Nursery Products: 1998 to 2022 19.21 Selected Floriculture and Nursery Products, by Commodity: 2021 19.22 Aquaculture Operations, by Number of Workers and Value: 2016 to 2021 19.23 Agricultural Chemicals Used, Including Fertilizer: 2012 and 2017 19.24 Farms, Land, and Value of Sales of Certified Organic Agricultural Products: 2021 19.25 General Excise Tax Base for Producing: 1998 to 2022	<u>19.02</u>	Farms, Market Value and Value of Sales: 2007, 2012 and 2017
19.04 Farm Production Expenses: 2007, 2012 and 2017 19.05 Farm Income and Expenses: 2018 to 2021 19.06 Farm Organization and Selected Primary Producer Characteristics: 2007, 2012 and 2017 19.07 Number of Farms, Farm Acreage, and Average Farm Employment: 2000 to 2022 19.08 Farm Employment: 1998 to 2021 19.09 Farm Employment, by County: 2006 to 2021 19.10 Value of Crop, Livestock, and Aquaculture Sales: 1995 to 2021 19.11 Crops, by Acreage and Sales: 2019 to 2022 19.12 Seed Crops, by Number of Farms, Acreage, Outshipments, and Value: 2005/2006 to 2021/2022 19.13 Selected Crops Harvested and Land in Orchards, by Number of Farms, Acres and Weight: 2007, 2012 and 2017 19.14 Specialty Crops, Fruits, and Vegetables: 2021 19.15 Specialty Crops, Fruits, and Vegetables: 2022 19.16 Top 20 Agricultural Commodities: 2021 19.17 Livestock Inventory: 1991 to 2022 19.18 Livestock Sales, by Type: 1990 to 2022 19.19 Livestock and Poultry, Inventory and Sales, by Number and Farms: 2007, 2012 and 2017 19.20 Floriculture and Nursery Products: 1998 to 2022 19.21 Selected Floriculture and Nursery Products, by Commodity: 2021 19.22 Aquaculture Operations, by Number of Workers and Value: 2016 to 2021 19.23 Agricultural Chemicals Used, Including Fertilizer: 2012 and 2017 19.24 Farms, Land, and Value of Sales of Certified Organic Agricultural Products: 2021 19.25 General Excise Tax Base for Producing: 1998 to 2022	<u>19.03</u>	Farms by Size, Land in Farms, and Value of Land, Buildings and Equipment, by
19.05 Farm Income and Expenses: 2018 to 2021 19.06 Farm Organization and Selected Primary Producer Characteristics: 2007, 2012 and 2017 19.07 Number of Farms, Farm Acreage, and Average Farm Employment: 2000 to 2022 19.08 Farm Employment: 1998 to 2021 19.09 Farm Employment, by County: 2006 to 2021 19.10 Value of Crop, Livestock, and Aquaculture Sales: 1995 to 2021 19.11 Crops, by Acreage and Sales: 2019 to 2022 19.12 Seed Crops, by Number of Farms, Acreage, Outshipments, and Value: 2005/2006 to 2021/2022 19.13 Selected Crops Harvested and Land in Orchards, by Number of Farms, Acrea and Weight: 2007, 2012 and 2017 19.14 Specialty Crops, Fruits, and Vegetables: 2021 19.15 Specialty Crops, Fruits, and Vegetables: 2021 19.16 Top 20 Agricultural Commodities: 2021 19.17 Livestock Inventory: 1991 to 2022 19.18 Livestock Sales, by Type: 1990 to 2022 19.19 Livestock Sales, by Type: 1990 to 2022 19.19 Livestock and Poultry, Inventory and Sales, by Number and Farms: 2007, 2012 and 2017 19.20 Floriculture and Nursery Products: 1998 to 2022 19.21 Selected Floriculture and Nursery Products, by Commodity: 2021 19.22 Aquaculture Operations, by Number of Workers and Value: 2016 to 2021 19.23 Agricultural Chemicals Used, Including Fertilizer: 2012 and 2017 19.24 Farms, Land, and Value of Sales of Certified Organic Agricultural Products: 2021 19.25 General Excise Tax Base for Producing: 1998 to 2022		County: 2017
Farm Organization and Selected Primary Producer Characteristics: 2007, 2012 and 2017 19.07 Number of Farms, Farm Acreage, and Average Farm Employment: 2000 to 2022 19.08 Farm Employment: 1998 to 2021 19.09 Farm Employment, by County: 2006 to 2021 19.10 Value of Crop, Livestock, and Aquaculture Sales: 1995 to 2021 19.11 Crops, by Acreage and Sales: 2019 to 2022 19.12 Seed Crops, by Number of Farms, Acreage, Outshipments, and Value: 2005/2006 to 2021/2022 19.13 Selected Crops Harvested and Land in Orchards, by Number of Farms, Acres and Weight: 2007, 2012 and 2017 19.14 Specialty Crops, Fruits, and Vegetables: 2021 19.15 Specialty Crops, Fruits, and Vegetables: 2022 19.16 Top 20 Agricultural Commodities: 2021 19.17 Livestock Inventory: 1991 to 2022 19.18 Livestock Sales, by Type: 1990 to 2022 19.19 Livestock and Poultry, Inventory and Sales, by Number and Farms: 2007, 2012 and 2017 19.20 Floriculture and Nursery Products: 1998 to 2022 19.21 Selected Floriculture and Nursery Products, by Commodity: 2021 19.22 Aquaculture Operations, by Number of Workers and Value: 2016 to 2021 19.23 Agricultural Chemicals Used, Including Fertilizer: 2012 and 2017 19.24 Farms, Land, and Value of Sales of Certified Organic Agricultural Products: 2021 19.25 General Excise Tax Base for Producing: 1998 to 2022	<u>19.04</u>	· ·
2017 19.07 Number of Farms, Farm Acreage, and Average Farm Employment: 2000 to 2022 19.08 Farm Employment: 1998 to 2021 19.09 Farm Employment, by County: 2006 to 2021 19.10 Value of Crop, Livestock, and Aquaculture Sales: 1995 to 2021 19.11 Crops, by Acreage and Sales: 2019 to 2022 19.12 Seed Crops, by Number of Farms, Acreage, Outshipments, and Value: 2005/2006 to 2021/2022 19.13 Selected Crops Harvested and Land in Orchards, by Number of Farms, Acres and Weight: 2007, 2012 and 2017 19.14 Specialty Crops, Fruits, and Vegetables: 2021 19.15 Specialty Crops, Fruits, and Vegetables: 2022 19.16 Top 20 Agricultural Commodities: 2021 19.17 Livestock Inventory: 1991 to 2022 19.18 Livestock Sales, by Type: 1990 to 2022 19.19 Livestock and Poultry, Inventory and Sales, by Number and Farms: 2007, 2012 and 2017 19.20 Floriculture and Nursery Products: 1998 to 2022 19.21 Selected Floriculture and Nursery Products, by Commodity: 2021 19.22 Aquaculture Operations, by Number of Workers and Value: 2016 to 2021 19.23 Agricultural Chemicals Used, Including Fertilizer: 2012 and 2017 19.24 Farms, Land, and Value of Sales of Certified Organic Agricultural Products: 2021 19.25 General Excise Tax Base for Producing: 1998 to 2022	<u>19.05</u>	*
19.07 Number of Farms, Farm Acreage, and Average Farm Employment: 2000 to 2022 19.08 Farm Employment: 1998 to 2021 19.09 Farm Employment, by County: 2006 to 2021 19.10 Value of Crop, Livestock, and Aquaculture Sales: 1995 to 2021 19.11 Crops, by Acreage and Sales: 2019 to 2022 19.12 Seed Crops, by Number of Farms, Acreage, Outshipments, and Value: 2005/2006 to 2021/2022 19.13 Selected Crops Harvested and Land in Orchards, by Number of Farms, Acres and Weight: 2007, 2012 and 2017 19.14 Specialty Crops, Fruits, and Vegetables: 2021 19.15 Specialty Crops, Fruits, and Vegetables: 2022 19.16 Top 20 Agricultural Commodities: 2021 19.17 Livestock Inventory: 1991 to 2022 19.18 Livestock Sales, by Type: 1990 to 2022 19.19 Livestock and Poultry, Inventory and Sales, by Number and Farms: 2007, 2012 and 2017 19.20 Floriculture and Nursery Products: 1998 to 2022 19.21 Selected Floriculture and Nursery Products, by Commodity: 2021 19.22 Aquaculture Operations, by Number of Workers and Value: 2016 to 2021 19.23 Agricultural Chemicals Used, Including Fertilizer: 2012 and 2017 19.24 Farms, Land, and Value of Sales of Certified Organic Agricultural Products: 2021 19.25 General Excise Tax Base for Producing: 1998 to 2022	<u>19.06</u>	Farm Organization and Selected Primary Producer Characteristics: 2007, 2012 and
19.08Farm Employment: 1998 to 202119.09Farm Employment, by County: 2006 to 202119.10Value of Crop, Livestock, and Aquaculture Sales: 1995 to 202119.11Crops, by Acreage and Sales: 2019 to 202219.12Seed Crops, by Number of Farms, Acreage, Outshipments, and Value: 2005/2006 to 2021/202219.13Selected Crops Harvested and Land in Orchards, by Number of Farms, Acres and Weight: 2007, 2012 and 201719.14Specialty Crops, Fruits, and Vegetables: 202119.15Specialty Crops, Fruits, and Vegetables: 202219.16Top 20 Agricultural Commodities: 202119.17Livestock Inventory: 1991 to 202219.18Livestock Sales, by Type: 1990 to 202219.19Livestock and Poultry, Inventory and Sales, by Number and Farms: 2007, 2012 and 201719.20Floriculture and Nursery Products: 1998 to 202219.21Selected Floriculture and Nursery Products, by Commodity: 202119.22Aquaculture Operations, by Number of Workers and Value: 2016 to 202119.23Agricultural Chemicals Used, Including Fertilizer: 2012 and 201719.24Farms, Land, and Value of Sales of Certified Organic Agricultural Products: 202119.25General Excise Tax Base for Producing: 1998 to 2022		2017
19.09 Farm Employment, by County: 2006 to 2021 19.10 Value of Crop, Livestock, and Aquaculture Sales: 1995 to 2021 19.11 Crops, by Acreage and Sales: 2019 to 2022 19.12 Seed Crops, by Number of Farms, Acreage, Outshipments, and Value: 2005/2006 to 2021/2022 19.13 Selected Crops Harvested and Land in Orchards, by Number of Farms, Acres and Weight: 2007, 2012 and 2017 19.14 Specialty Crops, Fruits, and Vegetables: 2021 19.15 Specialty Crops, Fruits, and Vegetables: 2022 19.16 Top 20 Agricultural Commodities: 2021 19.17 Livestock Inventory: 1991 to 2022 19.18 Livestock Sales, by Type: 1990 to 2022 19.19 Livestock and Poultry, Inventory and Sales, by Number and Farms: 2007, 2012 and 2017 19.20 Floriculture and Nursery Products: 1998 to 2022 19.21 Selected Floriculture and Nursery Products, by Commodity: 2021 19.22 Aquaculture Operations, by Number of Workers and Value: 2016 to 2021 19.23 Agricultural Chemicals Used, Including Fertilizer: 2012 and 2017 19.24 Farms, Land, and Value of Sales of Certified Organic Agricultural Products: 2021 19.25 General Excise Tax Base for Producing: 1998 to 2022	19.07	Number of Farms, Farm Acreage, and Average Farm Employment: 2000 to 2022
19.10 Value of Crop, Livestock, and Aquaculture Sales: 1995 to 2021 19.11 Crops, by Acreage and Sales: 2019 to 2022 19.12 Seed Crops, by Number of Farms, Acreage, Outshipments, and Value: 2005/2006 to 2021/2022 19.13 Selected Crops Harvested and Land in Orchards, by Number of Farms, Acres and Weight: 2007, 2012 and 2017 19.14 Specialty Crops, Fruits, and Vegetables: 2021 19.15 Specialty Crops, Fruits, and Vegetables: 2022 19.16 Top 20 Agricultural Commodities: 2021 19.17 Livestock Inventory: 1991 to 2022 19.18 Livestock Sales, by Type: 1990 to 2022 19.19 Livestock and Poultry, Inventory and Sales, by Number and Farms: 2007, 2012 and 2017 19.20 Floriculture and Nursery Products: 1998 to 2022 19.21 Selected Floriculture and Nursery Products, by Commodity: 2021 19.22 Aquaculture Operations, by Number of Workers and Value: 2016 to 2021 19.23 Agricultural Chemicals Used, Including Fertilizer: 2012 and 2017 19.24 Farms, Land, and Value of Sales of Certified Organic Agricultural Products: 2021 19.25 General Excise Tax Base for Producing: 1998 to 2022	19.08	Farm Employment: 1998 to 2021
19.11 Crops, by Acreage and Sales: 2019 to 2022 19.12 Seed Crops, by Number of Farms, Acreage, Outshipments, and Value: 2005/2006 to 2021/2022 19.13 Selected Crops Harvested and Land in Orchards, by Number of Farms, Acres and Weight: 2007, 2012 and 2017 19.14 Specialty Crops, Fruits, and Vegetables: 2021 19.15 Specialty Crops, Fruits, and Vegetables: 2022 19.16 Top 20 Agricultural Commodities: 2021 19.17 Livestock Inventory: 1991 to 2022 19.18 Livestock Sales, by Type: 1990 to 2022 19.19 Livestock and Poultry, Inventory and Sales, by Number and Farms: 2007, 2012 and 2017 19.20 Floriculture and Nursery Products: 1998 to 2022 19.21 Selected Floriculture and Nursery Products, by Commodity: 2021 19.22 Aquaculture Operations, by Number of Workers and Value: 2016 to 2021 19.23 Agricultural Chemicals Used, Including Fertilizer: 2012 and 2017 19.24 Farms, Land, and Value of Sales of Certified Organic Agricultural Products: 2021 19.25 General Excise Tax Base for Producing: 1998 to 2022	19.09	Farm Employment, by County: 2006 to 2021
19.12 Seed Crops, by Number of Farms, Acreage, Outshipments, and Value: 2005/2006 to 2021/2022 19.13 Selected Crops Harvested and Land in Orchards, by Number of Farms, Acres and Weight: 2007, 2012 and 2017 19.14 Specialty Crops, Fruits, and Vegetables: 2021 19.15 Specialty Crops, Fruits, and Vegetables: 2022 19.16 Top 20 Agricultural Commodities: 2021 19.17 Livestock Inventory: 1991 to 2022 19.18 Livestock Sales, by Type: 1990 to 2022 19.19 Livestock and Poultry, Inventory and Sales, by Number and Farms: 2007, 2012 and 2017 19.20 Floriculture and Nursery Products: 1998 to 2022 19.21 Selected Floriculture and Nursery Products, by Commodity: 2021 19.22 Aquaculture Operations, by Number of Workers and Value: 2016 to 2021 19.23 Agricultural Chemicals Used, Including Fertilizer: 2012 and 2017 19.24 Farms, Land, and Value of Sales of Certified Organic Agricultural Products: 2021 19.25 General Excise Tax Base for Producing: 1998 to 2022	<u>19.10</u>	Value of Crop, Livestock, and Aquaculture Sales: 1995 to 2021
2021/2022 19.13 Selected Crops Harvested and Land in Orchards, by Number of Farms, Acres and Weight: 2007, 2012 and 2017 19.14 Specialty Crops, Fruits, and Vegetables: 2021 19.15 Specialty Crops, Fruits, and Vegetables: 2022 19.16 Top 20 Agricultural Commodities: 2021 19.17 Livestock Inventory: 1991 to 2022 19.18 Livestock Sales, by Type: 1990 to 2022 19.19 Livestock and Poultry, Inventory and Sales, by Number and Farms: 2007, 2012 and 2017 19.20 Floriculture and Nursery Products: 1998 to 2022 19.21 Selected Floriculture and Nursery Products, by Commodity: 2021 19.22 Aquaculture Operations, by Number of Workers and Value: 2016 to 2021 19.23 Agricultural Chemicals Used, Including Fertilizer: 2012 and 2017 19.24 Farms, Land, and Value of Sales of Certified Organic Agricultural Products: 2021 19.25 General Excise Tax Base for Producing: 1998 to 2022	<u>19.11</u>	Crops, by Acreage and Sales: 2019 to 2022
19.13 Selected Crops Harvested and Land in Orchards, by Number of Farms, Acres and Weight: 2007, 2012 and 2017 19.14 Specialty Crops, Fruits, and Vegetables: 2021 19.15 Specialty Crops, Fruits, and Vegetables: 2022 19.16 Top 20 Agricultural Commodities: 2021 19.17 Livestock Inventory: 1991 to 2022 19.18 Livestock Sales, by Type: 1990 to 2022 19.19 Livestock and Poultry, Inventory and Sales, by Number and Farms: 2007, 2012 and 2017 19.20 Floriculture and Nursery Products: 1998 to 2022 19.21 Selected Floriculture and Nursery Products, by Commodity: 2021 19.22 Aquaculture Operations, by Number of Workers and Value: 2016 to 2021 19.23 Agricultural Chemicals Used, Including Fertilizer: 2012 and 2017 19.24 Farms, Land, and Value of Sales of Certified Organic Agricultural Products: 2021 19.25 General Excise Tax Base for Producing: 1998 to 2022	<u>19.12</u>	Seed Crops, by Number of Farms, Acreage, Outshipments, and Value: 2005/2006 to
Weight: 2007, 2012 and 2017 19.14 Specialty Crops, Fruits, and Vegetables: 2021 19.15 Specialty Crops, Fruits, and Vegetables: 2022 19.16 Top 20 Agricultural Commodities: 2021 19.17 Livestock Inventory: 1991 to 2022 19.18 Livestock Sales, by Type: 1990 to 2022 19.19 Livestock and Poultry, Inventory and Sales, by Number and Farms: 2007, 2012 and 2017 19.20 Floriculture and Nursery Products: 1998 to 2022 19.21 Selected Floriculture and Nursery Products, by Commodity: 2021 19.22 Aquaculture Operations, by Number of Workers and Value: 2016 to 2021 19.23 Agricultural Chemicals Used, Including Fertilizer: 2012 and 2017 19.24 Farms, Land, and Value of Sales of Certified Organic Agricultural Products: 2021 19.25 General Excise Tax Base for Producing: 1998 to 2022		2021/2022
19.14Specialty Crops, Fruits, and Vegetables: 202119.15Specialty Crops, Fruits, and Vegetables: 202219.16Top 20 Agricultural Commodities: 202119.17Livestock Inventory: 1991 to 202219.18Livestock Sales, by Type: 1990 to 202219.19Livestock and Poultry, Inventory and Sales, by Number and Farms: 2007, 2012 and 201719.20Floriculture and Nursery Products: 1998 to 202219.21Selected Floriculture and Nursery Products, by Commodity: 202119.22Aquaculture Operations, by Number of Workers and Value: 2016 to 202119.23Agricultural Chemicals Used, Including Fertilizer: 2012 and 201719.24Farms, Land, and Value of Sales of Certified Organic Agricultural Products: 202119.25General Excise Tax Base for Producing: 1998 to 2022	<u>19.13</u>	Selected Crops Harvested and Land in Orchards, by Number of Farms, Acres and
19.15 Specialty Crops, Fruits, and Vegetables: 2022 19.16 Top 20 Agricultural Commodities: 2021 19.17 Livestock Inventory: 1991 to 2022 19.18 Livestock Sales, by Type: 1990 to 2022 19.19 Livestock and Poultry, Inventory and Sales, by Number and Farms: 2007, 2012 and 2017 19.20 Floriculture and Nursery Products: 1998 to 2022 19.21 Selected Floriculture and Nursery Products, by Commodity: 2021 19.22 Aquaculture Operations, by Number of Workers and Value: 2016 to 2021 19.23 Agricultural Chemicals Used, Including Fertilizer: 2012 and 2017 19.24 Farms, Land, and Value of Sales of Certified Organic Agricultural Products: 2021 19.25 General Excise Tax Base for Producing: 1998 to 2022		Weight: 2007, 2012 and 2017
19.16 Top 20 Agricultural Commodities: 2021 19.17 Livestock Inventory: 1991 to 2022 19.18 Livestock Sales, by Type: 1990 to 2022 19.19 Livestock and Poultry, Inventory and Sales, by Number and Farms: 2007, 2012 and 2017 19.20 Floriculture and Nursery Products: 1998 to 2022 19.21 Selected Floriculture and Nursery Products, by Commodity: 2021 19.22 Aquaculture Operations, by Number of Workers and Value: 2016 to 2021 19.23 Agricultural Chemicals Used, Including Fertilizer: 2012 and 2017 19.24 Farms, Land, and Value of Sales of Certified Organic Agricultural Products: 2021 19.25 General Excise Tax Base for Producing: 1998 to 2022	19.14	Specialty Crops, Fruits, and Vegetables: 2021
19.17 Livestock Inventory: 1991 to 2022 19.18 Livestock Sales, by Type: 1990 to 2022 19.19 Livestock and Poultry, Inventory and Sales, by Number and Farms: 2007, 2012 and 2017 19.20 Floriculture and Nursery Products: 1998 to 2022 19.21 Selected Floriculture and Nursery Products, by Commodity: 2021 19.22 Aquaculture Operations, by Number of Workers and Value: 2016 to 2021 19.23 Agricultural Chemicals Used, Including Fertilizer: 2012 and 2017 19.24 Farms, Land, and Value of Sales of Certified Organic Agricultural Products: 2021 19.25 General Excise Tax Base for Producing: 1998 to 2022	<u>19.15</u>	Specialty Crops, Fruits, and Vegetables: 2022
19.18 Livestock Sales, by Type: 1990 to 2022 19.19 Livestock and Poultry, Inventory and Sales, by Number and Farms: 2007, 2012 and 2017 19.20 Floriculture and Nursery Products: 1998 to 2022 19.21 Selected Floriculture and Nursery Products, by Commodity: 2021 19.22 Aquaculture Operations, by Number of Workers and Value: 2016 to 2021 19.23 Agricultural Chemicals Used, Including Fertilizer: 2012 and 2017 19.24 Farms, Land, and Value of Sales of Certified Organic Agricultural Products: 2021 19.25 General Excise Tax Base for Producing: 1998 to 2022	<u>19.16</u>	Top 20 Agricultural Commodities: 2021
Livestock and Poultry, Inventory and Sales, by Number and Farms: 2007, 2012 and 2017 19.20 Floriculture and Nursery Products: 1998 to 2022 19.21 Selected Floriculture and Nursery Products, by Commodity: 2021 19.22 Aquaculture Operations, by Number of Workers and Value: 2016 to 2021 19.23 Agricultural Chemicals Used, Including Fertilizer: 2012 and 2017 19.24 Farms, Land, and Value of Sales of Certified Organic Agricultural Products: 2021 19.25 General Excise Tax Base for Producing: 1998 to 2022	<u>19.17</u>	Livestock Inventory: 1991 to 2022
2017 19.20 Floriculture and Nursery Products: 1998 to 2022 19.21 Selected Floriculture and Nursery Products, by Commodity: 2021 19.22 Aquaculture Operations, by Number of Workers and Value: 2016 to 2021 19.23 Agricultural Chemicals Used, Including Fertilizer: 2012 and 2017 19.24 Farms, Land, and Value of Sales of Certified Organic Agricultural Products: 2021 19.25 General Excise Tax Base for Producing: 1998 to 2022	<u>19.18</u>	Livestock Sales, by Type: 1990 to 2022
19.20Floriculture and Nursery Products: 1998 to 202219.21Selected Floriculture and Nursery Products, by Commodity: 202119.22Aquaculture Operations, by Number of Workers and Value: 2016 to 202119.23Agricultural Chemicals Used, Including Fertilizer: 2012 and 201719.24Farms, Land, and Value of Sales of Certified Organic Agricultural Products: 202119.25General Excise Tax Base for Producing: 1998 to 2022	<u>19.19</u>	Livestock and Poultry, Inventory and Sales, by Number and Farms: 2007, 2012 and
19.21 Selected Floriculture and Nursery Products, by Commodity: 2021 19.22 Aquaculture Operations, by Number of Workers and Value: 2016 to 2021 19.23 Agricultural Chemicals Used, Including Fertilizer: 2012 and 2017 19.24 Farms, Land, and Value of Sales of Certified Organic Agricultural Products: 2021 19.25 General Excise Tax Base for Producing: 1998 to 2022		2017
19.22 Aquaculture Operations, by Number of Workers and Value: 2016 to 2021 19.23 Agricultural Chemicals Used, Including Fertilizer: 2012 and 2017 19.24 Farms, Land, and Value of Sales of Certified Organic Agricultural Products: 2021 19.25 General Excise Tax Base for Producing: 1998 to 2022	19.20	Floriculture and Nursery Products: 1998 to 2022
19.23 Agricultural Chemicals Used, Including Fertilizer: 2012 and 2017 19.24 Farms, Land, and Value of Sales of Certified Organic Agricultural Products: 2021 19.25 General Excise Tax Base for Producing: 1998 to 2022	19.21	Selected Floriculture and Nursery Products, by Commodity: 2021
19.24 Farms, Land, and Value of Sales of Certified Organic Agricultural Products: 2021 19.25 General Excise Tax Base for Producing: 1998 to 2022	19.22	Aquaculture Operations, by Number of Workers and Value: 2016 to 2021
19.25 General Excise Tax Base for Producing: 1998 to 2022	19.23	Agricultural Chemicals Used, Including Fertilizer: 2012 and 2017
	19.24	Farms, Land, and Value of Sales of Certified Organic Agricultural Products: 2021
19.26 Agriculture Theft and Crime Cost: 2004 and 2019	19.25	General Excise Tax Base for Producing: 1998 to 2022
	19.26	Agriculture Theft and Crime Cost: 2004 and 2019

Section 19

AGRICULTURE

This section presents statistics on agricultural land, farms and organic farms, agricultural employment and operation costs, crops, livestock, dairy products, poultry, and aquaculture. Related information appears in Sections 6 (land use) and 22 (food processing).

Important sources for data on agriculture include the 2017 *United States Census of Agriculture;* the annual report on *Statistics of Hawaii Agriculture* issued by the Hawaii Agricultural Statistics Service; the Bureau of Economic Analysis; data compiled by the former Hawaiian Sugar Planters' Association, now the Hawaii Agriculture Research Center; and the Aquaculture Development Program of the Hawaii State Department of Agriculture. Agricultural data for earlier years are summarized in *Historical Statistics of Hawaii*, Section 13.

Table 19.01-- FARMS BY SIZE, LAND IN FARMS, AND VALUE OF LAND, BUILDINGS, AND EQUIPMENT: 2007, 2012 AND 2017

Item	Unit	2007	2012	2017
Farms	Number	7,521	7,000	7,328
Land in farms	Acres	1,121,329	1,129,317	1,135,352
Farms by size				
1 to 9 acres	Number	4,813	4,412	4,868
10 to 49 acres	Number	1,972	1,752	1,693
50 to 179 acres	Number	423	480	396
180 to 499 acres	Number	154	172	171
500 to 999 acres	Number	44	57	74
1,000 to 1,999 acres	Number	50	48	43
2,000 acres or more	Number	65	79	83
Average size of farm	Acres	149	161	155
Median size of farm	Acres	5	5	5
Total cropland	Farms	6,281	5,551	5,826
•	Acres	177,626	174,042	191,175
Harvested cropland	Farms	6,044	5,293	5,316
·	Acres	103,120	99,031	84,767
Irrigated land	Farms	2,810	2,498	2,250
	Acres	58,635	81,813	45,452
Value of land and buildings				
Average per farm	Dollars	1,146,213	1,461,342	1,445,188
Average per acre	Dollars	7,688	9,058	9,328
Estimated market value of all machinery and equipment				
Total	\$1,000	304,997	307,994	371,436
Average per farm	Dollars	40,666	43,999	50,701

Source: USDA National Agricultural Statistics Service, 2007 Census of Agriculture, Vol. 1, Chapter 2: State Level Data (December 2009), "Table 1. State Summary Highlights: 2007", pp. 276-293, 2012 Census of Agriculture, Vol. 1, Part 1, Hawaii (May 2014), "Table 1. Historical Highlights: 2012 and Earlier Census Years", pp. 7-8, 2012 Census of Agriculture, Vol. 1, Chapter 2: State Level Data, "Table 1. State Summary Highlights: 2012", pp. 245-260 (May 2014); and 2017 Census of Agriculture, Vol. 1, Chapter 2: State Level Data, "Table 1. County Summary Highlights: 2017" https://www.nass.usda.gov/Publications/AgCensus/2017/Full_Report/Volume_1,_Chapter_2_County_Level/Hawaii/st15_2_0001_0001.pdf accessed April 15, 2019.

Table 19.02-- FARMS, MARKET VALUE AND VALUE OF SALES: 2007, 2012 AND 2017

Item	Unit	2007	2012	2017
Total farms in Hawaii	Number	7,521	7,000	7,328
Farms by value of sales				
Less than \$2,500	Number	2,932	2,130	2,671
\$2,500 to \$4,999	Number	1,012	902	784
\$5,000 to \$9,999	Number	996	1,058	1,070
\$10,000 to \$24,999	Number	1,143	1,397	1,176
\$25,000 to \$49,999	Number	557	684	707
\$50,000 to \$99,999	Number	353	323	389
\$100,000 to \$499,999	Number	380	358	368
\$500,000 or more	Number	148	148	163
Market value of agricultural products sold	\$1,000	513,626	661,347	563,803
Crops, including nursery and greenhouse crops	\$1,000	429,916	538,873	417,069
Livestock, poultry, and their products	\$1,000	83,711	122,474	146,733
Average market value of agricultural products sold				
per farm	Dollars	68,292	94,478	76,938

Source: USDA National Agricultural Statistics Service, 2017 Census of Agriculture, Vol. 1, Chapter 1, Hawaii , "Table 1. Historical Highlights: 2017 and Earlier Census Years" https://www.nass.usda.gov/Publications/AgCensus/2017/Full_Report/Volume_1,_Chapter_1_State_Level/Hawaii/st15_1_0001_0001.pdf accessed April 15, 2019.

Table 19.03-- FARMS BY SIZE, LAND IN FARMS, AND VALUE OF LAND, BUILDINGS AND EQUIPMENT, BY COUNTY: 2017

		I	<u> </u>	I		
		State	Hawaii	City and Co.	Kauai	Maui
Item	Unit	total	County	of Honolulu	County	County
_						
Farms	Number	7,328	4,220	927	773	1,408
Land in farms	Acres	1,135,352	664,444	71,795	150,157	248,956
Farms by size						
1 to 9 acres	Number	4,868	2,621	707	530	1,010
10 to 49 acres	Number	1,693	1,153	139	149	252
50 to 179 acres	Number	396	240	43	38	75
180 to 499 acres	Number	171	103	17	28	23
500 to 999 acres	Number	74	42	5	11	16
1,000 or more acres	Number	126	61	16	17	32
Average size of farm	Acres	155	157	77	194	177
Median size of farm	Acres	5	6	4	5	4
Total cropland	Farms	5,826	3,315	780	583	1,148
•	Acres	191,175	82,295	23,067	29,262	56,551
Harvested cropland	Farms	5,316	3,008	730	521	1,057
'	Acres	84,767	58,504	13,664	5,467	7,132
Irrigated land	Farms	2,250	828	512	259	651
9	Acres	45,452	6,662	11,683	22,258	4,849
		,,,,,	-,	,,,,,,,,	,_	1,010
Estim. market value of						
land and buildings						
Average per farm	Dollars	1,445,188	1,091,739	1,920,259	1,744,739	2,027,299
Average per acre	Dollars	9,328	6,934	24,794	8,982	11,466
			,,,,,		2,00=	,
Estim. market value of all						
machinery & equipment	\$1,000	371,436	176,664	85,318	36,990	72,464
Average per farm	Dollars	50,701	41,883	92,036	47,852	51,466
Market value of agricultural						
products sold	\$1,000	563,803	269,188	151,383	61,025	82,206
Average per farm	Dollars	76,938	63,789	163,305	78,946	58,385
Crops, including nursery		,	,	ŕ	ŕ	,
& greenhouse crops	\$1,000	417,069	160,040	136,920	45,899	74,211
Livestock, poultry,			,	ĺ	,	,
& their products	\$1,000	146,733	109,148	14,464	15,126	7,995
					· 	

Source: USDA National Agricultural Statistics Service, 2017 Census of Agriculture, Hawaii, County Data, "Table 1. County Summary Highlights: 2017" https://www.nass.usda.gov/Publications/AgCensus/2017/Full_Report/Volume_1,_Chapter_2_County_Level/Hawaii/st15_2_0001_0001.pdf accessed April 16, 2019.

Table 19.04-- FARM PRODUCTION EXPENSES: 2007, 2012 AND 2017

[In thousands of dollars]

Item	2007	2012	2017
Total farm production expenses	486,648	659,262	575,703
Selected farm production expenses			
Livestock and poultry purchased or leased	3,343	3,880	5,011
Feed purchased	24,678	43,811	36,783
Fertilizer, lime, and soil conditioners purchased	29,807	46,584	31,787
Gasoline, fuels, and oils purchased	24,443	33,157	23,512
Hired farm labor	178,496	269,907	230,205
Interest expense	14,838	13,208	21,587
Chemicals purchased	17,238	32,993	17,684

Source: USDA National Agricultural Statistics Service, 2017 Census of Agriculture, Vol.1, Chapter 1, Hawaii, "Table 1. Historical Highlights: 2017 and Earlier Census Years," https://www.nass.usda.gov/Publications/AgCensus/2017/Full_Report/Volume_1,_Chapter_1_State_Level/Hawaii/st15_1_0001_0001.pdf accessed April 16, 2019.

Table 19.05-- FARM INCOME AND EXPENSES: 2018 TO 2021

[In thousands of dollars. 2018 to 2020 revised from previous Data Book]

Item	2018	2019	2020	2021
Cash receipts from marketings	575,563	535,265	495,124	500,546
Livestock and products	167,217	148,831	137,594	147,271
Crops	408,346	386,434	357,530	353,275
0.000	100,010	000, 10 1	001,000	000,210
Other income	63,451	69,758	134,077	93,260
Government payments	11,913	13,154	80,735	39,134
Imputed and misc. income received 1/	51,538	56,604	53,342	54,126
Production expenses	615,015	636,973	670,659	651,955
Feed purchased	31,622	34,913	33,385	38,322
Livestock purchased	4,317	5,153	5,418	5,413
Seed purchased	12,372	11,976	12,993	12,598
Fertilizer, lime and agricultural chemicals	46,872	45,756	49,603	57,807
	23,013	23,023	20,912	
Petroleum products purchased	· ·		•	24,302
Hired farm labor expenses 2/	222,372	225,121	239,859	239,692
All other production expenses 3/	274,447	291,031	308,489	273,821
Value of inventory change	-1,068	-646	998	1,263
Livestock	-969	-579	975	1,153
Crops	_	-	-	-
Materials and supplies	-99	-67	23	110

^{1/} Consists of the value of home consumption and other farm related income components, such as machine hire and custom work income and income from forest products.

Source: U.S. Bureau of Economic Analysis, "Local Area Personal Income and Employment, Farm Income and Expenses" (CAINC45) https://apps.bea.gov/iTable/ accessed March 30, 2023.

^{2/} Consists of hired workers' cash pay and perquisites, employers' contributions for social security and Medicare, and payments for contract labor, machine hire, and custom work.

^{3/} Consists of repair and operation of machinery; depreciation, interest, rent and taxes; and other miscellaneous expenses including agricultural chemicals.

Table 19.06-- FARM ORGANIZATION AND SELECTED PRIMARY PRODUCER CHARACTERISTICS: 2007, 2012 AND 2017

Organization or primary producer characteristic 1/	2007	2012	2017
·	2007	2012	2017
Farm by type of organization	0.000	5.005	5.700
Family or individual Partnership	6,363	5,685 446	5,733
Corporation	437 517	637	569 737
Other- cooperative, estate or trust, institutional, etc.	104	232	289
Primary producers by primary occupation			
Farming	3,861	3,642	3,828
Other	3,660	3,358	3,500
Primary producers by days worked off farm			
None	1,903	2,223	2,704
Any	5,618	4,777	4,624
1 to 49 days	1,015	690	874
50 to 99 days	857	562	529
100 to 199 days	919	927	866
200 days or more	2,827	2,598	2,355
Primary producers' place of residence			
On farm operated	5,355	4,649	5,158
Not on farm operated	2,166	2,351	2,170
Primary producers by sex			
Male	5,715	5,426	4,819
Female	1,806	1,574	2,509
Primary producers by race			
American Indian or Alaska Native	41	32	28
Asian	2,544	2,824	2,092
Black or African American	10	18	10
Native Hawaiian or Other Pacific Islander	625	689	667
White	3,627	2,749	3,726
More than one race	674	688	805
Average age of primary producer	58.6	60.4	61.8
Young primary producers 2/	(NA)	(NA)	316

NA Not available.

Source: USDA National Agricultural Statistics Service, 2012 Census of Agriculture, Vol.1, Part 1, Hawaii, "Table 1. Historical Highlights: 2012 and Earlier Census Years" and "Table 62. Selected Principal Operator Characteristics by Race: 2012 and 2007" (May 2014) and Ibid. 2017. "Table 1. Historical Highlights: 2017 and Earlier Census Years" and "Table 52. Selected Producer Characteristics: 2017 and 2012" (April 2019) https://www.nass.usda.gov/AgCensus/ accessed June 26, 2019.

^{1/} In 2007 and 2012, data were reported for the "principal operator," which is defined as the person who is primarily responsible for the on-site, day-to-day operation of the farm or ranch business. The "primary producer" is a principal producer. If multiple principal producers were reported on a farm, the primary producer was chosen by designating the person who made the most decisions for the farm.

^{2/} A young producer is defined as a producer 35 years of age or younger.

Table 19.07-- NUMBER OF FARMS, FARM ACREAGE, AND AVERAGE FARM EMPLOYMENT: 2000 TO 2022

			Annual average farm employment 3/		
Year	Number of farms 1/	Farm acreage (1,000) 2/	Self- employed farm operators	Unpaid workers 4/	Hired workers
2000	5,500	1,440	3,100	1,000	7,800
2001	5,500	1,350	3,300	1,100	7,400
2002	5,398	1,300	3,000	1,100	7,500
2003	5,500	1,300	(5/)	(5/)	7,300
2004	5,500	1,300	(5/)	(5/)	7,300
2005	5,500	1,300	(5/)	(5/)	7,000
2006	5,500	1,160	(5/)	(5/)	7,000
2007	7,521	1,121	(5/)	(5/)	6,500
2008	7,500	1,110	3,300	900	6,200
2009	7,500	1,110	3,500	1,000	6,200
2010	7,200	1,100	3,800	1,000	6,300
2011	7,100	1,130	(5/)	(5/)	7,000
2012	7,000	1,130	(5/)	(5/)	6,500
2013	7,100	1,100	(5/)	(5/)	6,500
2014	7,100	1,100	(5/)	(5/)	7,000
2015	7,200	1,100	(5/)	(5/)	6,500
2016	7,300	1,100	(5/)	(5/)	6,000
2017	7,300	1,100	(5/)	(5/)	6,000
2018	7,300	1,100	(5/)	(5/)	6,300
2019	7,300	1,100	(5/)	(5/)	4,500
2020	7,300	1,100	(5/)	(5/)	4,300
2021	7,300	1,100	(5/)	(5/)	5,000
2022	7,300	1,100	(5/)	(5/)	5,300

- 1/ Based on farm definition of \$1,000 or more of agricultural sales.
- 2/ Includes land not in crop and pasture, such as farm house lots, roads, woodlots, etc.
- 3/ Working 15 or more hours per week. Annual averages are based on survey data for January, April, July, October.
 - 4/ Includes family members and others that worked 15 or more hours during the survey week.
- 5/ Total farm workforce, self-employed operators, and unpaid workers estimates were discontinued from July 2002 to April 2007 due to a change in the national labor statistics program. Estimates were again discontinued beginning in October 2011.

Source: U.S. Department of Agriculture, National Agricultural Statistics Service, 2017 Census of Agriculture, Hawaii "Table 8. Farms, Land in Farms, Value of Land and Buildings, and Land Use" (April 2019) https://www.nass.usda.gov/Publications/AgCensus/2017> accessed April 11, 2019; Hawaii Annual Statistics Bulletin (annually through 2013) https://www.nass.usda.gov/Statistics_by_State/Hawaii/Publications/Annual_Statistical_Bulletin> accessed April 11, 2019; Quick Stats https://quickstats.nass.usda.gov/ accessed April 28, 2023.

Table 19.08-- FARM EMPLOYMENT: 1998 TO 2021

[The estimates of employment for 1998-2006 are based on the 2002 North American Industry Classification System (NAICS). The estimates for 2007-2010 are based on the 2007 NAICS. The estimates for 2011-2016 are based on the 2012 NAICS. The estimates for 2017 forward are based on the 2017 NAICS]

Year	Total farm employment 1/	Farm proprietors employment 2/	Farm wage and salary employment 3/
1998	12,501	5,297	7,204
1999	12,292	5,274	7,018
2000	12,839	5,258	7,581
2001	12,314	5,236	7,078
2002	11,978	4,795	7,183
2003	11,917	4,719	7,198
2004	11,596	4,604	6,992
2005	11,404	4,605	6,799
2006	11,304	4,513	6,791
2007	12,489	6,149	6,340
2008	11,661	6,006	5,655
2009	11,288	5,903	5,385
2010	11,510	5,848	5,662
2011	12,304	5,776	6,528
2012	11,735	5,636	6,099
2013	11,861	5,693	6,168
2014	13,153	5,777	7,376
2015	12,625	5,891	6,734
2016	12,255	5,961	6,294
2017	12,011	5,961	6,050
2018	12,515	5,939	6,576
2019	10,783	5,940	4,843
2020	10,425	5,936	4,489
2021	11,374	5,939	5,435

^{1/ &#}x27;Total farm employment' is the number of workers engaged in the direct production of agricultural commodities, either livestock or crops; whether as a sole proprietor, partner, or hired laborer.

Source: Bureau of Economic Analysis, "Annual State Personal Income and Employment, Total Full-Time and Part-Time Employment by NAICS Industry" (SAEMP25N) (September 30, 2022) and "Full-Time and Part-Time Wage and Salary Employment by NAICS Industry" (SAEMP27N) (September 30, 2022) https://www.bea.gov/itable/ accessed March 31, 2023.

^{2/} Consists of sole proprietors and non-corporate partners in the farm industry.

^{3/ &#}x27;Farm wage and salary employment' is the number of hired laborers engaged in the direct production of agricultural commodities, either livestock or crops.

Table 19.09-- FARM EMPLOYMENT, BY COUNTY: 2006 TO 2021

[The estimates of employment for 2001-2006 are based on the 2002 North American Industry Classification System (NAICS). The estimates for 2007-2010 are based on the 2007 NAICS. The estimates for 2011-2016 are based on the 2012 NAICS. The estimates for 2017 and forward are based on the 2017 NAICS]

County and year	Total farm employment 1/	Farm proprietors employment 2/	Farm wage and salary employment 3/
State			
2006	11,304	4,513	6,791
2007	12,489	6,149	6,340
2008	11,661	6,006	5,655
2009	11,288	5,903	5,385
2010	11,510	5,848	5,662
2011	12,304	5,776	6,528
2012	11,735	5,636	6,099
2013	11,861	5,693	6,168
2014	13,153	5,777	7,376
2015	12,625	5,891	6,734
2016	12,255	5,961	6,294
2017	12,011	5,961	6,050
2018	12,515	5,939	6,576
2019	10,783	5,940	4,843
2020	10,425	5,936	4,489
2021	11,374	5,939	5,435
Hawaii County			
2006	5,162	2,807	2,355
2007	6,362	3,847	2,515
2008	5,916	3,752	2,164
2009	5,666	3,680	1,986
2010	5,599	3,638	1,961
2011	5,776	3,584	2,192
2012	5,577	3,491	2,086
2013	5,566	3,513	2,053
2014	6,153	3,558	2,595
2015	6,033	3,598	2,435
2016	5,965	3,630	2,335
2017 4/	6,076	3,621	2,455
2018	6,307	3,607	2,700
2019	5,535	3,608	1,927
2020 4/	5,428	3,604	1,824
2021	5,860	3,607	2,253

Continued on next page.

Table 19.09-- FARM EMPLOYMENT, BY COUNTY: 2006 TO 2021 -- Con.

County and year	Total farm employment 1/	Farm proprietors employment 2/	Farm wage and salary employment 3/
Honolulu County	2.205	EEA	4.024
2006	2,385	554	1,831
2007 2008	2,167	737 735	1,430
	2,069	736	1,334 1,384
2009	2,120		*
2010	2,352	744	1,608
2011	2,717	750 740	1,967
2012	2,582	746	1,836
2013	2,703	764 704	1,939
2014	3,024	784	2,240
2015	2,910	822	2,088
2016	2,804	842	1,962
2017 4/	2,803	848	1,955
2018	2,999	845	2,154
2019 4/	2,448	845	1,603
2020 4/	2,296	845	1,451
2021	2,543	845	1,698
Maui County 5/			
2006	2,568	691	1,877
2007	2,874	941	1,933
2008	2,661	930	1,731
2009	2,463	925	1,538
2010	2,572	928	1,644
2011	2,790	929	1,861
2012	2,591	919	1,672
2013	2,594	931	1,663
2014	2,870	944	1,926
2015	2,606	971	1,635
2016	2,453	984	1,469
2017 4/	2,095	987	1,108
2018 4/	2,101	984	1,117
2019 4/	1,774	984	790
2020	1,732	984	748
2021	1,931	984	947
	, -		

Continued on next page.

Table 19.09-- FARM EMPLOYMENT, BY COUNTY: 2006 TO 2021 -- Con.

Total farm County and year employment 1/		Farm proprietors employment 2/	Farm wage and salary employment 3/
Kauai County 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 4/ 2018 4/	employment 1/ 1,189 1,086 1,015 1,039 987 1,021 985 998 1,106 1,076 1,033 1,037 1,108	employment 2/ 461 624 589 562 538 513 480 485 491 500 505 505	728 462 426 477 449 508 505 513 615 576 528 532 605
2019 4/ 2020 2021	1,026 969 1,040	503 503 503	523 466 537

^{1/ &#}x27;Total farm employment' is the number of workers engaged in the direct production of agricultural commodities, either livestock or crops; whether as a sole proprietor, partner, or hired laborer.

Source: Bureau of Economic Analysis, "Local Area Personal Income and Employment, Total Full-Time and Part-Time Employment by Industry" (CAEMP25N) (November 16, 2022) and "Annual State Personal Income and Employment, Total Full-Time and Part-Time Employment by NAICS Industry" (SAEMP25N) (September 30, 2022) https://www.bea.gov/itable/ accessed March 31, 2023; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

^{2/} Consists of sole proprietors and non-corporate partners in the farm industry.

^{3/ &#}x27;Farm wage and salary employment' is the number of hired laborers engaged in the direct production of agricultural commodities, either livestock or crops. For counties, it is calculated by subtracting 'Farm proprietors employment' from 'Total farm employment'. The calculated residuals might include corporate partners.

^{4/} Revised from previous Data Book.

^{5/} Includes Kalawao County.

Table 19.10-- VALUE OF CROP, LIVESTOCK, AND AQUACULTURE SALES: 1995 TO 2021

[Thousands of dollars]

			Cro				
Year	All crops, livestock, and aquaculture	All crops 1/	Sugar (unpro- cessed cane)	Pine- apples (fresh equiv.)	Other crops	Livestock	Aquaculture
- I Gai	aquaculture	Clops II	carie	equiv.	Сторз	LIVESTOCK	Aquaculture
1995	506,692	421,089	127,700	87,360	206,029	72,296	13,307
1996	511,343	428,671	108,100	95,914	224,657	67,017	15,655
1997	504,705	420,306	85,500	91,721	243,085	67,799	16,600
1998	509,962	420,634	87,300	92,776	240,558	72,708	16,620
1999	531,094	443,111	86,800	101,448	254,863	69,881	18,102
2000	521,941	431,482	62,200	101,530	267,752	68,289	22,170
2001	524,378	437,438	57,800	96,337	283,301	64,740	22,200
2002	539,518	453,400	64,300	100,616	288,484	60,938	25,180
2003	548,123	461,680	64,400	101,470	295,810	58,793	27,650
2004	552,057	459,702	61,500	83,104	315,098	64,255	28,100
2005	582,785	493,991	58,900	79,288	355,803	60,396	28,398
2006	579,590	499,684	50,200	73,652	375,832	58,649	21,257
2007	577,999	498,338	47,600	(D)	450,738	54,551	25,110
2008	605,570	522,139	44,200	(D)	477,939	48,781	34,650
2009	641,850	553,862	44,200	(D)	509,662	55,658	32,330
2010	674,590	583,680	69,800	(D)	513,880	60,940	29,970
2011	719,474	602,881	78,100	(D)	524,781	76,623	39,970
2012	646,318	527,554	73,322	(D)	454,222	63,024	55,740
2013	641,703	521,182	77,740	(D)	443,442	61,856	2/ 58,665
2014	631,063	474,707	54,349	(D)	420,358	78,115	78,241
2015	604,052	446,850	48,148	(D)	398,702	80,968	76,234
2016	578,595	445,717	54,375	(D)	391,342	57,168	75,710
2017	563,803	417,069	(3/)	(D)	(NA)	4/ 57,467	76,367
2018	(NA)	(NA)	(3/)	(D)	(NA)	4/ 59,350	2/ 78,429
2019	(NA)	(NA)	(3/)	(D)	(NA)	5/ 55,014	78,471
2020	(NA)	(NA)	(3/)	(D)	(NA)	5/ 44,338	6/ 66,602
2021	(NA)	(NA)	(3/)	(D)	(NA)	5/ 51,268	79,670

Continued on next page.

Table 19.10-- VALUE OF CROP, LIVESTOCK, AND AQUACULTURE SALES: 1995 TO 2021 -- Con.

D Data not shown separately to avoid disclosure of individual operations but combined and included in NA Not available.

total crop value.

- 1/ Sum of individual commodities may not add to total. Forage crops' and forest products' value combined and included in total crop value.
 - 2/ Data come from the Census of Aquaculture and may not be comparable with other years.
 - 3/ Hawaii's last sugar operation closed at the end of 2016.
 - 4/ Includes cattle, hogs, milk, and honey. See Table 19.18 for details.
 - 5/ Includes cattle, hogs, and honey. See Table 19.18 for details.
 - 6/ Revised from previous Data Book.

Source: USDA National Agricultural Statistics Service, *Hawaii Annual Statistics Bulletin* (annual through 2013) https://www.nass.usda.gov/Statistics_by_State/Hawaii/Publications/Annual_Statistical_Bulletin/ accessed July 26, 2017; Quick Stats https://quickstats.nass.usda.gov/ accessed June 20, 2023; U.S. Dept. of Agriculture, National Agricultural Statistics Service, 2017 Census of Agriculture, Vol. 1, Chapter 1, Hawaii, "Table 2. Market Value of Agricultural Products Sold Including Landlord's Share, Food Marketing Practices, and Value-Added Products: 2017 and 2012" (April 2019) https://www.nass.usda.gov/AgCensus/index.php accessed July 8, 2020; Hawaii Aquaculture (annual) https://www.nass.usda.gov/Statistics_by_State/Hawaii/Publications/Livestock, Poultry, and Dairy/Aquaculture/index.php> accessed June 20, 2023; USDA National Agricultural Statistics Service, *Census of Aquaculture* https://www.nass.usda.gov/Surveys/Guide_to_NASS_Surveys/Census_of_Aquaculture/index.php accessed July 8, 2021, and records.

Table 19.11-- CROPS, BY ACREAGE AND SALES: 2019 TO 2022

Subject and crop	2019	2020	2021	2022
Acreage in crop (1,000 acres)				
Coffee (acres bearing)	1/ 7.1	1/ 6.9	6.8	7.2
Macadamia nuts (acres bearing)	16.9	17.0.9	17.0	16.2
` "		_		
Pineapples	(D)	(D)	(D)	(D)
Seed crops	2.4	2.2	(NA)	(NA)
Taro	(NA)	(NA)	0.4	(NA)
Vegetables and melons (harvested acreage)	5.2	4.3	5.1	5.2
Value of crop sales (\$1,000)				
Coffee 2/	1/ 50,160	1/ 54,298	48,383	61,947
Flowers and nursery products	1/ 89,206	81,556	(NA)	(NA)
Macadamia nuts (in shell)	48,840	49,600	65,067	33,176
Pineapples (fresh equivalent)	(D)	(D)	(D)	(D)
Seed crops	109,400	109,300	(NA)	(NA)
Taro	(NA)	(NA)	6,359	(NA)
Vegetables, ginger root, herbs, and melons 3/	54,580	49,815	64,860	72,980

D Data not shown separately to avoid disclosure of individual operations.

Source: USDA National Agricultural Statistics Service, *Hawaii Seed Crops* (May 2022) https://www.nass.usda.gov/Statistics_by_State/Hawaii/Publications/Seed%20Crops/ accessed May 26, 2022; *Hawaii Floriculture and Nursery Products* (December 2021) https://www.nass.usda.gov/Statistics_by_State/Hawaii/Flowers_and_Nursery_Products/ accessed May 26, 2022; Census of Horticulture (January 2021) https://www.nass.usda.gov/Statistics_by_State/Hawaii/Publications/AgCensus/2017/Online_Resources/Census_of_Horticulture_Specialties/ accessed May 26, 2023; Hawaii Vegetable and Melon Crops (February 2023) https://www.nass.usda.gov/Statistics_by_State/Hawaii/Publications/Vegetables/ accessed May 26, 2023; *Pacific Region - Hawaii Coffee: Final season estimates* (May 2023) and *Pacific Region - Hawaii Noncitrus Fruits* https://www.nass.usda.gov/Statistics_by_State/Hawaii/Publications/Fruits_and_Nuts/ accessed May 26, 2023; Quick Stats https://quickstats.nass.usda.gov/ accessed May 26, 2023.

NA Not available.

^{1/} Revised from previous Data Book.

^{2/} Value is expressed in cherry basis.

^{3/} Includes noni, kava ('awa), and others. Non-published commodities not included to avoid disclosure of individual operations but combined and included in total crop value.

Table 19.12-- SEED CROPS, BY NUMBER OF FARMS, ACREAGE, OUTSHIPMENTS, AND VALUE: 2005/2006 TO 2021/2022

[Seed crops are grown year-round in Hawaii with the main season from November to June]

				Value (\$1,000)		1/
Crop year	Number of farms	Acreage	Outshipments of seed (1,000 lb.)	Total	Seed corn	Other seed crops
2005/2006 2006/2007 2007/2008 2008/2009 2009/2010 2010/2011 2011/2012 2012/2013 2013/2014 2014/2015 2015/2016 2016/2017 2017/2018 2018/2019 2019/2020 2020/2021 2021/2022 2/	10 10 10 10 11 10 10 10 10 10 (NA) (NA) (NA) (NA)	4,140 4,260 5,300 5,990 6,500 6,205 6,910 5,900 4,840 4,260 3,980 4,090 3,030 2,790 2,360 2,240 2,235	7,550 10,470 8,380 11,275 12,000 10,230 10,750 8,245 7,970 8,590 5,740 7,600 5,320 4,195 4,060 3,600 3,190	77,330 103,040 140,710 176,990 236,410 239,370 241,615 184,235 158,800 140,830 144,530 144,530 148,400 121,900 116,000 109,400 109,300 107,470	74,800 98,050 135,580 169,275 224,490 229,935 230,450 178,615 155,000 137,680 140,000 144,100 111,800 112,500 (D) (D)	2,530 4,990 5,130 7,715 11,920 9,435 11,165 5,620 3,800 3,150 4,530 4,530 4,300 10,100 3,500 (D) (D)

NA Not available.

Source: USDA National Agricultural Statistics Service, *Hawaii Seed Crops* (annual) https://www.nass.usda.gov/Statistics_by_State/Hawaii/Publications/Seed%20Crops/index.php accessed June 20, 2023.

D Values not meeting NASS publication standards combined to avoid disclosure.

^{1/} Value is based on sales or gross operational budgets.

^{2/} Preliminary.

Table 19.13-- SELECTED CROPS HARVESTED AND LAND IN ORCHARDS, BY NUMBER OF FARMS, ACRES AND WEIGHT: 2007, 2012 AND 2017

Item	Unit	2007	2012	2017
Corn for grain	Farms	14	15	20
Con for grain	Acres	3,115	5,198	4,899
	Bushels	124,878	367,142	521,944
Sugaroono for ougar	Farms	124,878	18	321,944 9
Sugarcane for sugar		_		
	Acres	(D)	(D)	30
	Tons	(D)	(D)	435
Vegetables harvested	Farms	901	960	915
	Acres	6,845	8,880	8,579
Potatoes	Farms	15	38	30
	Acres	7	26	149
Sweet potatoes	Farms	94	143	90
·	Acres	297	882	876
Land in orchards 1/	Farms	4,443	3,488	3,901
	Acres	36,652	35,832	38,872
Pineapples harvested	Farms	42	42	(1/)
• •	Acres	(D)	(D)	(1/)
	Tons	(D)	(D)	(1/)

D Withheld to avoid disclosing data for individual farms.

Source: U.S. Dept. of Agriculture, National Agricultural Statistics Service, 2012 Census of Agriculture, Vol.1, Part 1, Hawaii, "Table 1. Historical Highlights: 2012 and Earlier Census Years" (May 2014); 2017 Census of Agriculture, Vol. 1, Chapter 1, Hawaii, "Table 1. Historical Highlights: 2017 and Earlier Census years" (April 2019) https://www.nass.usda.gov/AgCensus/index.php accessed April 16, 2019.

^{1/} Data for 2007 and 2012 exclude pineapples. Data for 2017 include pineapples. Starting in 2017, pineapples were moved from the field crops section to the fruit and nut section. As a result, 'Land in orchards' includes pineapples in 2017 and is not directly comparable to 2012 and earlier. This category includes land in bearing age and nonbearing age fruit trees, citrus or other groves, vineyards, and nut trees of all ages, including land which all fruit crops failed. Respondents also reported bearing age acres and nonbearing age acres by individual fruit and nut crops.

Table 19.14-- SPECIALTY CROPS, FRUITS, AND VEGETABLES: 2021

[Excludes organics. See Table 19.24 for sales of certified organic agricultural products]

Crop	Acreage bearing	Acreage harvested	Yield per acre (1,000 lb.) 1/ 2/	Price received (\$ per lb.) 3/	Utilized Production (1,000 lb.) 2/	Value of sales (\$1,000)
Specialty crops						
Coffee 4/	6,800	(NA)	3.5	2.13	22,715	48,383
Macadamia nuts 5/	17,000	(NA) (NA)	3.1	1.23	52,713 52,900	65,067
		` '			,	
Seed crops	(NA)	(NA)	(X)	(X)	(X)	(NA)
Fruits						
Avocados	740	(NA)	1.6	1.13	1,080	1,217
Papayas	600	(NA)	22.3	0.69	12,330	8,460
		, ,				
Vegetables						
Beans, long	(NA)	45	3.9	1.80	175	315
Beans, snap	(NA)	125	2.6	1.94	330	640
Bittermelon	(NA)	15	3.3	2.00	50	100
Cabbage, Chinese	(NA)	190	15.3	1.11	2,900	3,230
Cabbage, mustard	(NA)	50	8.7	0.85	435	370
Daikon radish	(NA)	60	8.9	1.12	535	600
Eggplant	(NA)	95	11.3	1.15	1,070	1,230
Kale	(NA)	70	7.7	2.72	540	1,470
Lettuce, head	(NA)	100	9.3	2.46	930	2,290
Lettuce, leaf	(NA)	195	7.2	2.54	1,400	3,550
Lettuce, Romaine	(NA)	130	7.5	2.20	970	2,130
Onions, green	(NA)	95	11.5	2.70	1,090	2,940
Potatoes, sweet	(NA)	175	18.3	0.89	3,210	2,860
Pumpkins	(NA)	95	5.6	1.08	530	570
	` ′					

NA Not available.

Source: USDA National Agricultural Statistics Service, *Hawaii Vegetable and Melon Crops* (February 2023) https://www.nass.usda.gov/Statistics_by_State/Hawaii/Publications/Vegetables/ accessed May 26, 2023; *Pacific Region - Hawaii Coffee: Final season estimates* (May 2023) and *Pacific Region - Hawaii Noncitrus Fruits* https://www.nass.usda.gov/Statistics_by_State/Hawaii/Publications/Fruits_and_Nuts/ accessed May 26, 2023; Quick Stats https://quickstats.nass.usda.gov/ accessed May, 26, 2023; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

X Not applicable.

^{1/} For vegetables, calculated as 'utilized production' divided by 'acreage harvested.' Avocados are converted from tons to pounds (1/2000). Some precision may be lost due to rounding in the source.

^{2/} For avocados, converted from tons to pounds (1/2000). Some precision is lost due to rounding in the source.

^{3/} For vegetables, calculated as 'value of sales' divided by 'utilized production.' Avocados are converted from tons to pounds (1/2000). Some precision may be lost due to rounding in the source.

^{4/} Valuation of coffee is in cherry basis.

^{5/} Valuation of macadamia nuts is in shells.

Table 19.15-- SPECIALTY CROPS, FRUITS, AND VEGETABLES: 2022

[Excludes organics. See Table 19.24 for sales of certified organic agricultural products]

	1	1				
				Price	Utilized	Value of
	Acreage	Acreage	Yield per acre	received	Production	sales
Crop	bearing	harvested	(1,000 lb.) 1/ 2/	(\$ per lb.) 3/	(1,000 lb.) 2/	(\$1,000)
Specialty crops						
Coffee 4/	7,200	(NA)	4.0	2.26	27,410	61,947
Macadamia nuts 5/	16,200	(NA)	2.3	0.88	37,700	33,176
Seed crops	(NA)	(NA)	(X)	(X)	(X)	(NA)
						-
Fruits						
Avocados	730	(NA)	1.0	1.35	600	807
Papayas	500	(NA)	16.7	0.64	7,020	4,462
Vegetables						
Beans, long	(NA)	50	1.5	2.20	75	165
Beans, snap	(NA)	120	2.4	2.41	290	700
Bittermelon	(NA)	20	2.5	2.50	50	125
Cabbage, Chinese	(NA)	190	12.2	1.31	2,320	3,050
Cabbage, mustard	(NA)	45	8.4	0.97	380	370
Daikon radish	(NA)	60	9.2	1.27	550	700
Eggplant	(NA)	60	16.0	1.27	960	1,220
Kale	(NA)	65	6.2	3.40	400	1,360
Lettuce, head	(NA)	120	12.7	2.89	1,520	4,400
Lettuce, leaf	(NA)	190	7.8	2.41	1,480	3,570
Lettuce, Romaine	(NA)	140	7.1	2.28	1,000	2,280
Onions, green	(NA)	95	16.0	2.59	1,520	3,930
Potatoes, sweet	(NA)	270	9.3	0.90	2,500	2,240
Pumpkins	(NA)	90	5.6	1.15	500	575
•	`					

NA Not available.

Source: USDA National Agricultural Statistics Service, *Hawaii Vegetable and Melon Crops* (February 2023) https://www.nass.usda.gov/Statistics_by_State/Hawaii/Publications/Vegetables/ accessed May 26, 2023; *Pacific Region - Hawaii Coffee: Final season estimates* (May 2023) and *Pacific Region - Hawaii Noncitrus Fruits* https://www.nass.usda.gov/Statistics_by_State/Hawaii/Publications/Fruits_and_Nuts/ accessed May 26, 2023; Quick Stats https://quickstats.nass.usda.gov/ accessed May, 26, 2023; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

X Not applicable.

^{1/} For vegetables, calculated as 'utilized production' divided by 'acreage harvested.' Avocados are converted from tons to pounds (1/2000). Some precision may be lost due to rounding in the source.

^{2/} For avocados, converted from tons to pounds (1/2000). Some precision is lost due to rounding in the source.

^{3/} For vegetables, calculated as 'value of sales' divided by 'utilized production.' Avocados are converted from tons to pounds (1/2000). Some precision may be lost due to rounding in the source.

^{4/} Valuation of coffee is in cherry basis.

^{5/} Valuation of macadamia nuts is in shells.

Table 19.16-- TOP 20 AGRICULTURAL COMMODITIES: 2021

Rank	Commodity	Value of production (\$1,000)	Rank	Commodity	Value of production (\$1,000)
1 2 3 4 5 6 7 8 9	Seed Crops Macadamia Nuts Coffee Cattle Algae Basil Food crops grown under protection Potted orchids, total Eggs Papayas	107,470 62,730 61,947 47,848 36,716 29,360 1/ 14,817 11,954 10,637 8,460	11 12 13 14 15 16 17 18 19 20	Lettuce Cabbage Taro Bananas Ornamental, aquaculture Palms, potted Honey Green Onions Sweet Potatoes Mushrooms	7,970 6,725 6,359 5,631 3,616 3,556 3,083 2,940 2,860 2,614

^{1/} Value listed is from 2020.

Source: State of Hawaii Department of Agriculture, 2021 State of Hawaii Top 20 Commodities Produced https://hdoa.hawaii.gov/add/market-analysis-news-branch/ accessed March 6, 2023.

Table 19.17-- LIVESTOCK INVENTORY: 1991 TO 2022

[In thousands. As of January 1 for cattle. As of December 1 for hogs and chicken. Marketing year for bee colonies]

		Cattle and calves						
Year	Total	Milk cows	Beef cows	Calves	Other cattle 1/	Hogs	Chickens 2/	Bee colonies
1991	215	11.0	80.0	43.0	81.0	34.0	1,213	10.0
1991	200	10.0	77.0	53.0	60.0	34.0 35.0	1,213	9.0
1993	178	11.0	78.0	44.0	45.0	33.0	1,103	9.0
1994	165	11.0	78.0	39.0	37.0	35.0	981	9.0
1995	178	11.0	82.0	45.0	40.0	34.0	933	8.0
1996	174	10.0	81.0	44.0	39.0	28.0	876	8.0
1997	172	10.0	83.0	39.0	40.0	29.0	863	9.0
1998	180	9.0	88.0	40.0	43.0	29.0	747	8.0
1999	173	9.0	86.0	40.0	38.0	28.0	721	8.0
2000	164	9.0	84.0	35.0	36.0	26.0	722	7.0
2001	150	7.0	81.0	34.0	28.0	27.0	659	8.0
2002	152	7.0	78.0	35.0	32.0	24.0	625	7.0
2003	151	7.0	79.0	32.0	33.0	23.0	600	7.0
2004	156	6.0	82.0	36.0	32.0	22.0	598	8.0
2005	155	5.7	81.3	34.0	34.0	19.0	547	9.0
2006	161	4.6	87.4	35.0	34.0	16.0	470	10.0
2007	158	3.8	85.2	35.0	34.0	15.0	398	10.0
2008	152	2.3	82.7	34.0	33.0	13.0	375	10.0
2009	150	1.6	84.4	32.0	32.0	13.0	381	10.0
2010	151	1.8	81.2	36.0	32.0	12.5	366	10.0
2011	141	2.0	79.0	30.0	30.0	11.5	(NA)	9.0
2012	140	1.9	78.1	32.0	28.0	11.5	(NA)	10.0
2013	135	2.2	71.8	33.0	28.0	11.5	(NA)	13.0
2014	133	2.2	71.8	34.0	25.0	9.0	(NA)	15.0
2015	133	2.2	68.8	32.0	30.0	9.0	(NA)	16.0
2016	140	2.2	72.8	34.0	31.0	10.0	(NA)	18.0
2017	142	2.4	73.6	34.0	32.0	8.0	(NA)	19.0
2018	144	2.0	75.0	34.0	33.0	9.0	(NA)	17.0
2019	142	1.5	75.5	33.0	32.0	11.0	(NA)	16.0
2020	140	0.7	75.3	33.0	31.0	10.0	(NA)	15.0
2021	142	0.6	76.4	33.5	31.5	9.0	(NA)	3/ 20.0
2022	144	0.8	79.2	34.0	30.0	7.0	(NA)	(NA)

NA Not available

Source: USDA National Agricultural Statistics Service, Quick Stats https://quickstats.nass.usda.gov/ accessed May 2, 2023, records, and calculations by the Department of Business, Economic Development and Tourism.

^{1/} Includes other heifers, bulls, and steers.

^{2/} Excluding broilers.

^{3/} Revised from previous *Data Book*.

Table 19.18-- LIVESTOCK SALES, BY TYPE: 1990 TO 2022

[In thousands of dollars]

Year	Cattle 1/	Hogs 2/	Milk	Honey 3/
1990	28,735	7,252	30,760	738
1991	29,787	6,463	30,328	747
1992	29,235	6,521	32,495	671
1993	26,864	6,355	32,035	828
1994	18,458	6,209	31,747	432
1995	15,417	6,596	32,146	578
1996	13,175	6,585	29,234	1,004
1997	14,323	4,902	29,479	1,130
1998	16,861	5,235	33,293	727
1999	16,806	5,072	31,270	512
2000	19,204	4,425	28,102	643
2001	18,007	4,514	26,546	606
2002	18,326	4,788	22,467	1,057
2003	17,192	4,345	21,449	1,157
2004	22,534	4,463	20,175	1,221
2005	22,548	4,553	18,387	1,686
2006	26,452	4,158	14,508	1,125
2007	26,196	3,682	9,673	1,564
2008	24,305	3,359	5,460	1,431
2009	28,945	3,000	7,491	1,672
2010	30,892	3,661	8,750	2,118
2011	46,369	2,634	9,547	2,431
2012	52,426	2,429	9,644	3,113
2013	50,771	2,191	10,079	2,126
2014	61,444	4,972	10,514	3,195
2015	59,826	2,792	10,022	3,117
2016	42,769	1,740	9,161	4,699
2017	41,820	771	11,068	3,808
2018	45,983	485	9,464	3,362
2019	42,752	1,106	(NA)	1,664
2020	40,317	1,343	(D)	2,678
2021	45,667	1,381	(D)	3,083
2022	52,771	2,544	(D)	(D)

NA Not available.

Source: USDA National Agricultural Statistics Service, Quick Stats https://quickstats.nass.usda/gov/ accessed June 20, 2023.

D Withheld to avoid disclosing data for individual operations.

^{1/} Excludes interfarm sales in-state; includes calves.

^{2/} Excludes interfarm sales in-state.

^{3/} Honey in production, for marketing year.

Table 19.19-- LIVESTOCK AND POULTRY, INVENTORY AND SALES, BY NUMBER AND FARMS: 2007, 2012 AND 2017

Item	Unit	2007	2012	2017
Cattle and calves inventory	Farms	1,142	1,314	1,218
,	Number	151,479	133,957	137,930
Beef cows	Farms	853	1,173	1,047
	Number	86,000	(D)	(D)
Milk cows	Farms	15	12	20
	Number	2,296	(D)	(D)
Cattle and calves sold	Farms	713	711	667
	Number	70,567	56,159	58,066
Hogs and pigs inventory	Farms	225	231	226
	Number	14,933	11,441	(D)
Hogs and pigs sold	Farms	148	131	155
	Number	20,569	12,529	(D)
Broilers and other meat-type chickens sold	Farms	7	22	31
	Number	(D)	2,639	8,356

D Withheld to avoid disclosing data for individual farms.

Source: USDA National Agricultural Statistics Service, 2017 Census of Agriculture, Vol. 1, Chapter 1, Hawaii, "Table 1. Historical Highlights: 2017 and Earlier Census Years" https://www.nass.usda.gov/ Publications/AgCensus/2017/Full_Report/Volume_1,_Chapter_1_State_Level/Hawaii/st15_1_0001_0001.pdf> accessed April 16, 2019.

Table 19.20-- FLORICULTURE AND NURSERY PRODUCTS: 1998 TO 2022

			Growing area					
Year	Number of farms	Total (acres) 1/	Green- house (1,000 sq. ft.) 2/	Artificial shade structure (1,000 sq. ft.)	Natural shade area (acres)	Open field (acres)	Wholesale value (\$1,000)	
1000	745	0.070	0.040	04.000	•	0.050	70.007	
1998	745	2,679	2,810	24,200	9	2,050	73,207	
1999	765	2,712	2,910	25,695	15	2,040	75,725	
2000	735	2,719	3,235	25,180	7	2,060	82,684	
2001	790	3,049	3,175	26,660	9	2,355	88,597	
2002	870	3,648	3,030	30,415	10	2,870	95,715	
2003	865	3,890	2,540	27,465	16	3,185	95,601	
2004 2005	920 955	3,830	2,620	26,560 27,045	-	3,160 3,320	95,178	
2005	930	3,988	2,095	27,015	- (NIA)		100,962 98,725	
2006	1,060	4,064 4,376	2,190 2,020	25,410 25,015	(NA) (NA)	3,430	108,710	
2007	1,060	4,376 3,170	2,020	23,570	(NA) (NA)	3,755 2,580	94,662	
2008	1,023	2,780	1,930	24,615	(NA) (NA)	2,360	76,814	
2010	970	2,760	1,875	20,940	(NA)	2,170	71,100	
2010	970	2,695	1,770	19,990	(NA)	2,120	69,600	
2012	(NA)	2,987	1,748	19,987	(NA)	2,488	70,300	
2013	(NA)	2,615	1,419	19,873	(NA)	2,126	72,292	
2014	(NA)	2,620	1,794	21,332	(NA)	2,089	67,935	
2015	(NA)	2,281	1,770	19,505	(NA)	1,793	67,399	
2016	(NA)	2,264	1,822	19,061	(NA)	1,785	74,543	
2017	(NA)	2,746	1,817	17,617	(NA)	2,300	3/ 77,550	
2018	(NA)	2,562	2,280	17,149	(NA)	2,116	3/ 86,007	
2019 4/	530	2,456	5,406	12,896	251	1,785	72,708	
2020	(NA)	2,324	2,091	13,224	(NA)	1,973	3/ 5/ 81,555	
2021	6/ 274	1,230	2,626	7,776	(NA)	991	7/ 51,322	
2022	6/ 291	1,104	2,520	6,539	(NA)	896	7/ 47,108	

NA Not available.

- 1/ Details may not sum to total due to rounding and categories not shown separately.
- 2/ Glass or glass substitute structure.
- 3/ Wholesale value is reported for operations with production and sales over \$10,000.
- 4/ Data are from the 2019 Census of Horticulture and are not comparable to other years.
- 5/ Revised from previous Data Book.
- 6/ Includes all commercial operations with \$10,000 or more in sales.
- 7/ Wholesale value is reported for operations with production and sales over \$100,000.

Source: USDA, National Agricultural Statistics Service, Hawaii Field Office, *Census of Horticulture* https://www.nass.usda.gov/Surveys/Guide_to_NASS_Surveys/Census_of_Horticultural_Specialties/index.php accessed July 8, 2021; and *Hawaii Horticulture and Nursery Products* (annual) https://www.nass.usda.gov/Hawaii Department of Agriculture (HDOA), *Statistics on Floriculture, State of Hawaii*, 2022 https://www.nass.usda.gov/Hawaii Accessed June, 20, 2023; and calculations by the Hawaii State Department of Business Economic Development & Tourism.

Table 19.21-- SELECTED FLORICULTURE AND NURSERY PRODUCTS, BY COMMODITY: 2021

[Shown for commodities with value of sales over \$500,000 and excludes "Other" categories. Includes only producers having total sales of \$10,000 or more]

	Number of	Numbe	er sold	
Commodity	farms having sales 1/	Unit	Number	Value of sales (\$1,000)
Selected cut flowers				
Anthuriums	28	1,000 stems	1,597	1,679
Proteas	16			·
Proteas	10	1,000 stems	650	655
Orchids				
Cut, Dendrobiums	16	1,000 stems	660	642
Potted, Dendrobiums	46	1,000 pots	307	2,433
Potted, Phalaenopsis	27	1,000 pots	317	2,775
		.,000 pois	•	_,
Foliage				
Potted, Palms	28	1,000 pots	(NA)	3,773
		•	, ,	
Potted flowering plants				
Anthuriums	22	1,000 pots	283	2,376
Poinsettias	18	1,000 pots	218	1,137
		-		
Plant rentals	27	(NA)	(NA)	1,708
		. ,	, ,	
Landscape Plant Materials 2/	117	(NA)	(NA)	20,593
-	_	, ,	,	

NA Not available.

Source: USDA National Agricultural Statistics Service, 2020 *Hawaii Horticulture and Nursery Products Annual Summary* https://www.nass.usda.gov/Statistics_by_State/Hawaii/Publications/Flowers_and_Nursery_Products/index.php accessed March 4, 2022.

^{1/} Number of farms having sales during that year.

^{2/} Includes broadleaf and coniferous evergreens, deciduous and flower trees, palms, and citrus, fruit and nut trees, and sod. Does not include palms or potted foliage for indoor or patio use, bedding and garden plants, propagative floriculture material, and items which are included in published categories.

Table 19.22-- AQUACULTURE OPERATIONS, BY NUMBER OF WORKERS AND VALUE: 2016 TO 2021

Subject	2016	2017	2018	2019	2020 1/	2021
Peak number of workers	500	462	(2/)	369	352	408
Value (\$1,000) Shellfish Finfish Algae Ornamental Other 3/	75,710 (D) (D) 34,349 (D) 41,361	76,367 (D) (D) 35,190 (D) 41,177	(2/) (2/) (2/) (2/) (2/) (2/)	78,741 (D) (D) 32,652 2,643 43,176	66,602 (D) (D) 32,753 3,561 30,288	79,670 (D) (D) 36,716 3,616 39,338

D Withheld to avoid disclosing data for individual farms but included in 'Other'.

Source: USDA National Agricultural Statistics Service, Hawaii Aquaculture (annual)

^{1/} Revised from previous Data Book.

^{2/ 2018} data were collected by the Census of Aquaculture. Numbers are not comparable.

^{3/} Includes seed stock, brood stock, and items not sold by weight which includes number count.

https://www.nass.usda.gov/Statistics_by_State/Hawaii/Publications/ accessed February 14, 2023.

Table 19.23-- AGRICULTURAL CHEMICALS USED, INCLUDING FERTILIZER: 2012 AND 2017

Chemicals used	Unit	2012	2017
Any fertilizer, manure, or chemicals used	Farms	4,457	3,941
Any fertilizer or chemical expense	Farms	5,101	4,790
	\$1,000	79,577	49,471
Manure used	Farms	634	622
	Acres on which used	5,165	4,748
Organic fertilizer used	Farms	(NA)	668
	Acres on which used	(NA)	5,235
Commercial fertilizer, lime and soil conditioners used	Farms	3,450	2,979
	Acres on which used	109,503	100,104
Commercial fertilizer, lime and soil conditioners expenses	Farms	4,428	4,196
	\$1,000	46,584	31,787
Chemical expenses	Farms	4,487	3,803
	\$1,000	32,993	17,684
Acers treated to control- Insects Nematodes Diseases in crops and orchards Weeds, grass, or brush	Farms Acres on which used Acres on which used	2,349 30,417 379 4,089 963 9,143 3,299 114,713	1,945 50,380 178 5,040 805 8,963 2,439 93,195
Chemicals used on crops to control growth, thin fruit, ripen, or defoliate	Farms	338	228
	Acres on which used	19,000	3,506

NA Not available.

Source: U.S. Department of Agriculture, 2017 Census of Agriculture, Vol. 1, Chapter 1, Hawaii, "Table 46. Fertilizers and Chemicals Applied: 2017 and 2012" (April 2019) https://www.nass.usda.gov/AgCensus/ accessed June 26, 2019.

Table 19.24-- FARMS, LAND, AND VALUE OF SALES OF CERTIFIED ORGANIC AGRICULTURAL PRODUCTS: 2021

Subject	Farms	Acres	Amount (\$1,000)
Certified organic farms	144	(NA)	(X)
Certified organic acres operated	144	3,117	(X)
Cropland	139	2,563	(X)
Pastureland/rangeland	15	554	(X)
Land owned	106	1,723	(X)
Land rented from others	54	(D)	(X)
Land rented to others	2	(D)	(X)
	_	(-)	(**)
Total value of certified organic agricultural products sold	144	(NA)	17,497
Crops, including nursery and greenhouse	139	(NA)	15,247
All vegetables	46	276	7,717
All citrus fruits	34	81	183
All berries and other fruits	79	894	3,693
All tree nuts	12	(D)	1,739
All field crops	10	60	1,733
Propagative materials	2	(D)	(D)
Crops under glass or other protection		(D)	(D)
Mushrooms	2	(D)	(D)
Tomatoes	2	(D)	(D)
		(D)	(D)
Other vegetables and fresh herbs	14	1/ 64,510	1,009
Livestock and poultry	7	(X)	- (D)
Poultry products	2	(X)	(D)
Other livestock products 2/	5	(X)	2,237

NA Not available.

Source: USDA National Agricultural Statistics Service, 2021 Certified Organic Survey (December 2022) https://www.nass.usda.gov/Surveys/Guide_to_NASS_Surveys/Organic_Production/ accessed April 24, 2023.

X Not applicable.

D Withheld to avoid disclosing data for individual farms.

^{1/} Area reported in square feet rather than acres.

^{2/} This category includes semen, embryos, manure, feathers, etc., that was sold.

Table 19.25-- GENERAL EXCISE TAX BASE FOR PRODUCING: 1998 TO 2022

[In dollars. Data are on a cash basis accounting. "Producing" refers to the raising and production of agricultural products in their natural state, the production of natural resource products, fishing, and aquaculture]

Year 1/	Amount	Year 1/	Amount
1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010	478,200,600 501,500,800 519,272,000 499,896,000 522,418,200 543,561,000 550,948,600 613,694,000 480,012,000 475,827,000 448,975,400 351,578,020 339,034,600	2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021 2022	399,078,200 401,495,600 392,735,360 336,674,800 337,701,600 283,553,400 346,652,600 317,715,400 307,818,400 290,948,400 391,775,000 394,563,800

^{1/} Calendar year in which reported, including "prior years" reports. Income received in December is reported the following January, hence these annual totals generally refer to an "income year" ended November 30.

Source: Hawaii State Department of Taxation, "General Excise and Use Tax Collections" (annual tabular release) http://tax.hawaii.gov/stats/a5_3txcolrptarchive/ accessed June 20, 2023.

Table 19.26-- AGRICULTURE THEFT AND CRIME COST BY COUNTY: 2004 AND 2019

Year and subject	State total	Hawaii County	City and Co. of Honolulu	Kauai County	Maui County
2004					
Theft Loss (\$1,000) Incidents	1,946 4,739	634 1,574	798 2,492	185 439	329 234
Vandalism Loss (\$1,000) Incidents	2,019 1,153	192 494	568 133	99 79	1,160 447
Security Cost (\$1,000)	7,400	3,119	2,553	893	835
2019					
Theft Loss (\$1,000) Incidents	2,623 3,616	1,583 1,953	250 784	612 402	178 477
Vandalism Loss (\$1,000) Incidents	502 1,112	217 687	(1/) (1/)	(1/) (1/)	157 192
Security Cost (\$1,000)	11,227	7,783	1,619	1,033	792

^{1/} Does not meet NASS publication standards but included in State totals.

Source: USDA National Agricultural Statistics Service, *Hawaii Agricultural Theft and Vandalism* (October 2005; April 2020) https://www.nass.usda.gov/Statistics_by_State/Hawaii/Publications/Miscellaneous/index.php accessed April 29, 2020.