

# 2022 | CENSUS OF AGRICULTURE

Northern Mariana Islands (2023)

Commonwealth and Island Data

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# Acknowledgments

The U.S. Department of Agriculture's National Agricultural Statistics Service (NASS) conducted the 2023 Census of Agriculture for the Commonwealth of the Northern Marian Islands (CNMI), analyzed the data, and prepared this and other reports. The census provides a comprehensive picture of the CNMI's agriculture in 2023, and NASS recognizes and appreciates that many individuals and organizations contributed to the effort.

Most importantly, the success of the agriculture census depends directly on the cooperation of farmers across the CNMI. Recognizing that participating in the census is their responsibility and gives them a voice in their future, agricultural operators took the time to provide the information requested. We are grateful to every operator who participated in the 2023 CNMI Census of Agriculture.

NASS acknowledges and appreciates the advice and support from the CNMI Department of Commerce, the Northern Marianas College and its Cooperative Research and Extension Education; USDA agencies, farm organizations, stakeholder groups, and media outlets. They provided valuable advice during the planning, data collection, and promotional phases of the census, as well as critical assistance to local farmers completing census forms. Our thanks to the enumerators who collected data locally through NASS' cooperative agreements.

Numerous farm organizations and media outlets were also instrumental in building awareness of the census and encouraging farmers to participate.

Finally, NASS acknowledges and appreciates the support services of the U.S. Department of Commerce National Processing Center in Jeffersonville, Indiana.

To learn more about the Census of Agriculture, visit [www.nass.usda.gov/AgCensus](http://www.nass.usda.gov/AgCensus), where you can access new and historic data in a variety of formats, including the Quick Stats database. To learn about other NASS reports and activities, visit [www.nass.usda.gov](http://www.nass.usda.gov). For additional information, contact NASS through email ([nass@usda.gov](mailto:nass@usda.gov)) or by phone (800-727-9540).

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# Introduction

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## HISTORY

For more than 150 years, the U.S. Department of Commerce, Bureau of the Census, conducted the census of agriculture. However, the 1997 Appropriations Act transferred the responsibility from the Bureau of the Census to the U.S. Department of Agriculture (USDA), National Agricultural Statistics Service (NASS).

The census of agriculture is taken to obtain agricultural statistics for each county, State (including territories and protectorates), and the Nation. The first U.S. census of agriculture data were collected in 1840 as a part of the sixth decennial census. From 1840 to 1920, an agricultural census was taken as a part of each decennial census. Since 1920, a separate national agricultural census has been taken every 5 years.

The 2023 census is the 8th census of agriculture of the Commonwealth of the Northern Mariana Islands. The first agriculture census was taken in 1970 in conjunction with the decennial census, a practice that continued in 1980 and 1990. The 1997 Census was the first agriculture census taken in the CNMI that was not done as part of the population census.

## USES OF CENSUS DATA

The census of agriculture is the leading source of statistics about the CNMI's agricultural production and the only source of consistent, comparable data at the island level. Census statistics are used to measure agricultural production and to identify trends in an ever-changing agricultural sector. Many local programs use census data as a benchmark for designing and evaluating surveys. Private industry uses census statistics to provide a more effective production and distribution system for the agricultural community. One of the most important uses of the census data is to justify claims of farmers who may suffer damages and losses due to natural disasters, such as typhoons.

## LEGAL AUTHORITY

The census of agriculture is required by law under the "Census of Agriculture Act of 1997," Public Law 105-113 (Title 7, United States Code, Section 2204g). The law

directs the Secretary of Agriculture to conduct a census of agriculture every fifth year. The census of agriculture includes each State, Puerto Rico, Guam, the U.S. Virgin Islands, the Commonwealth of Northern Mariana Islands, and American Samoa.

The data for the 2023 CNMI Census of Agriculture were collected in accordance with a Cooperative Agreement approved by the Director of the Census and Survey Division of NASS and by the CNMI Secretary of Commerce.

## FARM DEFINITION

The statistics collected in the census relate to places with agricultural operations qualifying as farms according to the census definition. In the CNMI, this included all places from which \$1,000 or more of agricultural products were produced and sold, or normally would have been sold, during the 12-month period between January 1 and December 31, 2023. The farm definition is the same that was used for the 2018 CNMI Census of Agriculture, and is the same definition used for the rest of the U.S.

## DATA COMPARABILITY

In general, the data from the 2023 census are comparable with those of previous censuses. All dollar values presented in this report are in current dollars, i.e., 2023 data are expressed in 2023 dollars and 2018 data in 2018 dollars. The dollar values have not been adjusted for changes in price levels between census years. For other data changes between censuses, refer to the section on Data Changes in Appendix B.

## REFERENCE PERIODS

Inventories of livestock and poultry are the number on hand on December 31, 2023. Machinery and equipment are the number on hand on the day of enumeration. Crop production, crop and livestock sales, and expense data are for the 12-month period between January 1 and December 31, 2023.

## TABLES AND APPENDICES

Tables 1 through 11, 13 and 14 show detailed island data accompanied by historic data from the previous census.

Table 12 is a new table, Nursery Crops and Hemp, displaying data for 2023. Tables 15 through 29 show selected data items presented by municipalities. Tables 30 through 33 provide 2023 area data cross-tabulated by tenure of producer, age of producer, size of farm, and market value of agricultural products sold.

**Appendix A.** Provides information about data collection and data processing activities and discusses the statistical methodology used in conducting and evaluating the census.

**Appendix B.** Includes definitions of specific terms and phrases used in this publication, including items in the publication tables that carry the note "see text." It also provides a facsimile of the report form used to collect data.

## RESPONDENT CONFIDENTIALITY

In keeping with the provisions of Title 7, United States Code, no data are published that would disclose the operations of an individual farm. However, the number of farms in a given size category or other classification is not considered a release of confidential information and is provided, even though other information may be withheld.

## CUSTOM TABULATIONS

Custom-designed tabulations may be developed when data are not developed elsewhere. These tabulations are

developed to individual user specifications on a cost reimbursable basis and shared with the public. Quick Stats, NASS's online database that allows data users to build customized queries, should be investigated before requesting a special tabulation.

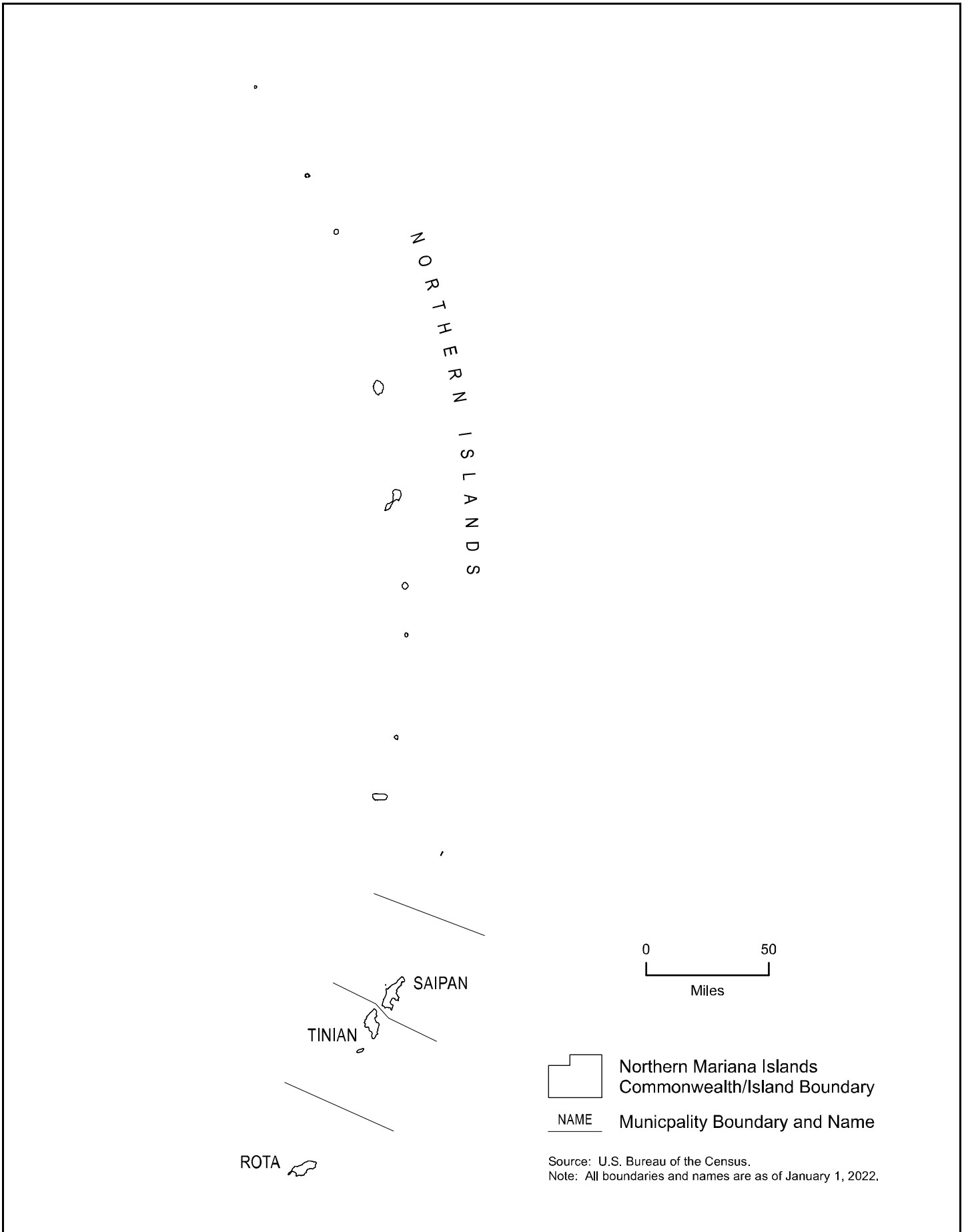
All special tabulations are subject to a thorough disclosure review prior to release to prevent the disclosure of any individual respondent data. Instructions to request a special tabulation can be found on the NASS website, including information about timing, fees, and the submission form. Questions can be directed to [SM.NASS.Data.Lab@usda.gov](mailto:SM.NASS.Data.Lab@usda.gov).

## ABBREVIATIONS AND SYMBOLS

The following abbreviations and symbols are used throughout the tables:

- Represents zero.
- (D) Withheld to avoid disclosing data for individual farms.
- (H) Coefficient of variation is greater than or equal to 99.5 percent or the standard error is greater than or equal to 99.95 percent of the mean.
- (L) Coefficient of variation is less than 0.05 percent or the standard error is less than 0.05 percent of the mean.
- (NA) Not available.
- (X) Not applicable.
- (Z) Less than half of the unit shown.
- cwt Hundredweight.
- sq. ft. Square feet.

# Northern Mariana Islands Map



**Table 1. Farms, Land in Farms, and Land Use: 2023 and 2018**

[Totals may not add due to rounding. For enumeration periods, see appendix A. For meaning of abbreviations and symbols, see introductory text.]

All farms	2023	2018	All farms	2023	2018
Farms .....number	316	253	Total cropland - Con.		
Land in farms .....acres	2,833	1,515	Other .....farms	29	18
Average size of farm .....acres	9.0	6.0	.....acres	57	60
Approximate land area .....acres	116,706	117,760	Pasture or grazing land .....farms	104	65
Proportion in farms .....percent	2.4	1.3	.....acres	2,025	924
Total cropland .....farms	241	170	Woodland .....farms	25	12
.....acres	555	431	.....acres	70	35
Harvested .....farms	231	166	Other land .....farms	110	109
.....acres	498	372	.....acres	184	125

**Table 2. Farms and Land in Farms by Size of Farm: 2023 and 2018**

[Totals may not add due to rounding. For enumeration periods, see appendix A. For meaning of abbreviations and symbols, see introductory text.]

Item	Total	Less than 1 acre	1 to 1.9 acres	2 to 3.9 acres	4 to 7.9 acres	8 to 9.9 acres	10 to 19.9 acres	20 to 39.9 acres	40 to 49.9 acres	50 acres or more
Farms .....number, 2023	316	76	50	80	48	6	15	26	2	13
.....number, 2018	253	72	30	61	45	5	18	15	2	5
Percent of farms .....number, 2023	100	24.1	15.8	25.3	15.2	1.9	4.7	8.2	0.6	4.1
.....number, 2018	100	28.5	11.9	24.1	17.8	2.0	7.1	5.9	0.8	2.0
Land in farms .....acres, 2023	2,833	(D)	53	178	252	51	195	702	(D)	1,289
.....acres, 2018	1,515	23	(D)	151	237	44	232	391	(D)	316
Percent distribution .....number, 2023	100	(D)	1.9	6.3	8.9	1.8	6.9	24.8	(D)	45.5
.....number, 2018	100	1.5	(D)	10.0	15.6	2.9	15.3	25.8	(D)	20.9
Average size of farm .....number, 2023	9.0	(D)	1.1	2.2	5.3	8.5	13.0	27.0	(D)	99.2
.....number, 2018	6.0	0.3	(D)	2.5	5.3	8.9	12.9	26.0	(D)	63.2

**Table 3. Tenure of Operations and Characteristics of Producers: 2023 and 2018**

[Totals may not add due to rounding. For enumeration periods, see appendix A. For meaning of abbreviations and symbols, see introductory text.]

Item	2023	2018	Item	2023	2018
<b>TENURE OF OPERATIONS</b>			<b>PRODUCER CHARACTERISTICS - Con.</b>		
Operation .....farms	316	253	Producers by race <sup>1</sup> :		
.....acres	2,833	1,515	American Indian or Alaska Native (see text) .....	-	(NA)
Total cropland .....farms	241	170	Asian <sup>2</sup> (see text) .....	85	(NA)
.....acres	555	431	Asian Indian (see text) .....	-	(NA)
Full owners .....farms	231	162	Chinese .....	13	15
.....acres	1,733	618	Filipino .....	52	36
Total cropland .....farms	187	108	Japanese .....	2	1
.....acres	360	256	Korean (see text) .....	3	(NA)
Part owners .....farms	2	9	Vietnamese (see text) .....	-	(NA)
.....acres	(D)	211	Other Asian (see text) .....	15	(NA)
Total cropland .....farms	1	4	Black or African American (see text) .....	-	(NA)
.....acres	(D)	(D)	Native Hawaiian or Other Pacific		
Tenants .....farms	83	82	Islander <sup>2</sup> (see text) .....	237	(NA)
.....acres	(D)	687	Native Hawaiian (see text) .....	-	(NA)
Total cropland .....farms	53	58	Carolinian (see text) .....	20	(NA)
.....acres	(D)	(D)	Chamorro .....	215	150
<b>PRODUCER CHARACTERISTICS</b>			Samoa (see text) .....	-	(NA)
Producers by place of residence:			Other Pacific Islander (see text) .....	12	(NA)
On farm operated .....	131	156	White .....	1	6
Not on farm operated .....	185	97	Producers by sex:		
Producers by years on present farm:			Male .....	259	202
2 years or less .....	33	24	Female .....	57	51
3 to 4 years .....	27	40	<b>NUMBER OF TOTAL PRODUCERS (SEE TEXT)</b>		
5 to 9 years .....	69	48	Total producers .....number	573	(NA)
10 years or more .....	187	141	Farms by number of producers		
Producers by age group:			1 producer .....	144	(NA)
Under 35 years .....	16	17	2 producers .....	134	(NA)
35 to 44 years .....	34	28	3 producers .....	12	(NA)
45 to 54 years .....	69	75	4 producers .....	16	(NA)
55 to 64 years .....	109	77	5 or more producers .....	10	(NA)
65 years and over .....	88	56	Total male producers <sup>3</sup> .....number	429	(NA)
Average age .....	57	55	Farms by number of male producers		
Producers by main occupation:			1 producer .....	210	(NA)
Agricultural .....	158	171	2 producers .....	62	(NA)
Nonagricultural .....	158	82	3 producers .....	13	(NA)
Producers by days of work off farm:			4 producers .....	6	(NA)
None .....	64	39	5 or more producers .....	6	(NA)
Any .....	252	214	Total female producers <sup>3</sup> .....number	144	(NA)
1 to 49 days .....	54	24	Farms by number of female producers		
50 to 99 days .....	73	27	1 producer .....	104	(NA)
100 to 149 days .....	47	12	2 producers .....	11	(NA)
150 to 199 days .....	22	35	3 producers .....	4	(NA)
200 days or more .....	56	116	4 producers .....	-	(NA)
Producers of Hispanic, Latino, or			5 or more producers .....	1	(NA)
Spanish origin (see text) .....	10	(NA)			

<sup>1</sup> Producers may report more than one race.

<sup>2</sup> Asian and Native Hawaiian or Other Pacific Islander will represent respondents that checked any one of the subcategories listed below.

<sup>3</sup> Multiple producers per farm may be reported.



**Table 4. Computer Use: 2023**

[For enumeration periods, see appendix A. For meaning of abbreviations and symbols, see introductory text.]

Farms	2023	Farms	2023
Computers used for the farm business .....	48	Internet access - Con.	
No computers used for the farm business .....	268	Satellite .....	-
Internet access .....	227	Other .....	-
Dial-up .....	-	Don't know (see text) .....	-
Broadband(DSL, cable, fiber optic) (see text) .....	146	No internet access .....	88
Cellular data plan (see text) .....	118		

**Table 5. Farm Characteristics and Agricultural Practices: 2023 and 2018**

[Totals may not add due to rounding. For enumeration periods, see appendix A. For meaning of abbreviations and symbols, see introductory text.]

Item	2023	2018	Item	2023	2018
<b>LABOR STATUS</b>			<b>TYPE OF ORGANIZATION</b>		
Farms .....	316	253	Individual .....	282	218
Unpaid labor .....	269	204	Partnership .....	10	9
Less than 25 days .....	18	4	Corporation .....	22	23
25 to 149 days .....	46	6	Other .....	2	3
150 days or more .....	123	20	<b>TYPE OF LAND OWNERSHIP</b>		
Paid labor .....	81	86	Farms .....	316	253
Less than 25 days .....	10	12	Owned .....	2,833	1,515
25 to 149 days .....	14	30	acres	233	171
150 days or more .....	17	12	acres	1,555	663
	46	15	Rented from others .....	88	91
	60	62	acres (D)	(D)	853
	308	120	Rented to others .....	2	-
			acres (D)	(D)	-
<b>SELECTED EQUIPMENT</b>			<b>AGRICULTURAL PRACTICES</b>		
Tractors (all kinds) .....	51	45	Fallow land .....	63	44
Motortrucks .....	20	23	Rotate crops .....	102	55
Automobiles .....	279	212	Build paddocks for pasture rotation .....	47	32
Tillers (all kinds) .....	73	58	Planted grasses for land improvement .....	31	20
	118	151	Used practices such as residue management, mulching, green manure, to conserve natural resources and improve soil health (see text) .....	118	(NA)
			Used high tunnels to protect crops and extend growing season (see text) .....	5	(NA)
			Used precision agriculture practices (see text) .....	15	(NA)

**Table 6. Irrigation: 2023 and 2018**

[Totals may not add due to rounding. For enumeration periods, see appendix A. For meaning of abbreviations and symbols, see introductory text.]

Farms with irrigation	2023	2018	Farms with irrigation	2023	2018
Land irrigated .....	157	205	Farms by major source of irrigation water:		
Private system .....	15	50	Well or cistern .....	3	34
Public system .....	147	177	River or stream .....	2	-
Public system water rate:			Lake or private pond .....	-	-
Agricultural .....	31	27	Canal or irrigation district .....	-	-
Residential .....	116	150	Public utility .....	143	163
			Other .....	9	8

**Table 7. Market Value of Agricultural Products Sold: 2023 and 2018**

[For enumeration periods, see appendix A. For meaning of abbreviations and symbols, see introductory text.]

Item	Farms		Value (dollars)	
	2023	2018	2023	2018
Total sales .....	316	253	2,759,096	1,580,081
Average per farm .....	(X)	(X)	8,731	6,245
Farms by value of sales:				
Less than \$1,200 .....	135	132	40,016	23,299
\$1,200 to \$2,499 .....	56	26	93,683	44,940
\$2,500 to \$4,999 .....	52	29	181,179	91,445
\$5,000 to \$7,499 .....	11	15	63,888	88,830
\$7,500 to \$9,999 .....	6	9	48,965	80,990
\$10,000 or more .....	56	42	2,331,365	1,250,577
Sales by commodity group or product:				
Root crops .....	73	43	413,715	(D)
Vegetables and melons .....	98	64	1,260,410	638,609
Fruits and nuts .....	121	66	343,875	(D)
Nursery crops and hemp (including ornamental plants) (see text) .....	19	(NA)	114,690	(NA)
Livestock and livestock products .....	110	46	459,565	134,175
Poultry and poultry products .....	26	43	20,248	214,201
Fish and other aquaculture products .....	-	3	-	(D)
Value-added products sold (see text) .....	46	(NA)	146,593	(NA)

**Table 8. Selected Farm Production Expenses: 2023 and 2018**

[For enumeration periods, see appendix A. For meaning of abbreviations and symbols, see introductory text.]

Item	Farms		Expenses (dollars)	
	2023	2018	2023	2018
Machine hire and customwork .....	73	71	121,882	162,811
Hired farm labor .....	83	86	1,105,820	960,863
Feed purchased for livestock, poultry, and fish .....	104	92	150,068	244,180
Insecticides, fungicides, and herbicides .....	69	71	52,406	44,937
Fertilizers and manure purchased .....	135	95	193,255	93,777
Livestock, poultry, and fish purchased .....	42	24	40,619	19,560
Seed costs (including seedlings) .....	93	66	74,547	32,808
Gasoline, fuels and oils purchased .....	256	196	432,129	235,556
Water .....	219	185	313,811	254,042
Transportation costs (excluding fuel expenses) .....	127	79	184,205	136,545
Repairs, supplies, and maintenance costs (see text) .....	134	(NA)	266,824	(NA)

**Table 9. Root Crops Harvested for Sale: 2023 and 2018**

[For enumeration periods, see appendix A. For meaning of abbreviations and symbols, see introductory text.]

Crop	2023	2018	Crop	2023	2018
..... farms	12	21	..... farms	20	20
..... acres	18,786	21,951	..... acres	65,405	83,189
..... pounds	5	3	Yams .....	43	18
Gado .....	1	(D)	..... farms	20	4
..... farms	1,175	(D)	..... acres	41,964	3,450
..... acres	13	16	Other root crops .....	3	2
..... pounds	4	4	..... farms	1	(D)
Ginger .....	2,638	15,290	..... acres	(D)	(D)
..... farms	35	43	..... pounds		
..... acres	35	35			
..... pounds	184,868	153,388			

**Table 10. Vegetables and Melons Harvested for Sale: 2023 and 2018**

[For enumeration periods, see appendix A. For meaning of abbreviations and symbols, see introductory text.]

Crop	2023	2018	Crop	2023	2018
..... farms	(D)	(NA)	..... farms	-	(Z)
..... acres	(D)	(D)	..... acres	-	1,040
..... pounds	10	(NA)	Okra .....	51	47
Beans, winged (see text) .....	3	(NA)	..... farms	17	12
..... farms	968	(NA)	..... acres	30,186	24,588
..... acres	30	30	Onions, green .....	32	36
Beans, yard long .....	9	10	..... farms	9	11
..... farms	29,207	22,827	..... acres	29,270	11,495
..... acres	6	15	Peppers, hot .....	60	68
Beans, all other .....	4	5	..... farms	26	21
..... farms	46,596	11,288	..... acres	32,025	38,269
..... pounds	32	30	Peppers, sweet .....	8	7
Bittermelons .....	9	10	..... farms	4	11
..... acres	36,315	23,196	..... acres	2,480	4,140
..... pounds	14	9	Pumpkins and squash .....	49	42
Cabbage, Chinese .....	8	3	..... farms	14	14
..... farms	28,440	5,027	..... acres	40,505	38,767
..... acres	-	(D)	Radishes .....	11	19
..... pounds	-	(D)	..... farms	7	11
Cantaloupes .....	-	2	..... acres	19,847	12,690
..... farms	-	(D)	Tomatoes .....	54	47
..... acres	16	20	..... farms	22	22
Corn (sweet) <sup>1</sup> .....	5	9	..... acres	58,699	56,383
..... farms	16,440	18,421	Watermelons .....	18	16
..... acres	43	41	..... farms	20	13
Cucumbers .....	16	20	..... acres	103,885	31,740
..... pounds	115,692	66,902	..... pounds	5	21
Eggplant .....	62	67	Other vegetables and melons .....	2	14
..... farms	13	21	..... farms	525	20,672
..... acres	63,332	29,722	..... acres		
..... pounds	7	(NA)	..... pounds		
Herbs (see text) .....	5	(NA)			
..... farms	2,520	(NA)			

<sup>1</sup> Includes dry and green corn.

**Table 11. Fruits and Nuts Harvested for Sale: 2023 and 2018**

[For enumeration periods, see appendix A. For meaning of abbreviations and symbols, see introductory text.]

Crop	2023	2018	Crop	2023	2018
Land in bearing and nonbearing fruit and nut trees and plants					
..... farms	140	150	Mangoes	60	81
..... acres	172	221	..... farms	61	170
Avocados			trees not of bearing age	503	395
..... farms	47	45	trees of bearing age	11,305	19,490
trees not of bearing age	308	242	..... pounds	11	(NA)
trees of bearing age	775	197	Mountain Apples (see text)		
..... pounds	12,892	4,551	..... farms	11	(NA)
Bananas (all types)			trees not of bearing age	8	(NA)
..... farms	107	118	trees of bearing age	10	(NA)
trees not of bearing age	2,521	16,596	..... pounds	(D)	(NA)
trees of bearing age	7,787	17,076	Oranges		
..... pounds	40,852	79,135	..... farms	16	17
Betelnuts			trees not of bearing age	18	33
..... farms	70	62	trees of bearing age	68	61
trees not of bearing age	7,081	8,645	..... pounds	1,060	1,580
trees of bearing age	9,125	8,640	Papayas		
..... pounds	52,868	31,035	..... farms	61	74
Breadfruits			trees not of bearing age	357	797
..... farms	38	40	trees of bearing age	1,443	1,217
trees not of bearing age	39	57	..... pounds	25,685	15,433
trees of bearing age	180	101	Pineapples		
..... pounds	7,455	6,200	..... farms	20	16
Coconuts			plants not of bearing age	113	252
..... farms	46	84	plants of bearing age	8,895	321
trees not of bearing age	565	1,130	..... pounds	28,288	780
trees of bearing age	1,173	2,669	Soursops		
..... pounds	20,920	27,305	..... farms	60	55
Dragon fruit (see text)			trees not of bearing age	67	160
..... farms	34	(NA)	trees of bearing age	326	371
trees not of bearing age	81	(NA)	..... pounds	3,376	7,770
trees of bearing age	2,403	(NA)	Starfruits		
..... pounds	13,396	(NA)	..... farms	24	19
Grapefruit			trees not of bearing age	(D)	12
..... farms	6	18	trees of bearing age	39	30
trees not of bearing age	(D)	15	..... pounds	772	1,080
trees of bearing age	13	32	Sweetsops		
..... pounds	900	3,526	..... farms	28	38
Guavas			trees not of bearing age	(D)	654
..... farms	40	32	trees of bearing age	350	251
trees not of bearing age	110	(D)	..... pounds	2,554	1,019
trees of bearing age	346	325	Tangerines		
..... pounds	5,636	2,591	..... farms	78	72
Lemons and limes			trees not of bearing age	50	220
..... farms	91	77	trees of bearing age	475	417
trees not of bearing age	239	504	..... pounds	10,732	8,435
trees of bearing age	2,122	795	Other fruits, nuts, and tree crops		
..... pounds	26,255	12,075	..... farms	23	30
			trees not of bearing age	224	676
			trees of bearing age	6,323	1,043
			..... pounds	12,140	13,122

**Table 12. Nursery Crops and Hemp: 2023**

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

Item	2023	Item	2023
Bedding/Garden Plants		Nursery Stock	
..... farms	5	..... farms	6
..... acres in open field	(D)	..... acres in open field	1
..... sq. ft. under protection	(D)	..... sq. ft. under protection	(D)
..... dollars	(D)	..... dollars	11,700
Cut flowers/Cut florist greens		Potted flowering plants	
..... farms	16	..... farms	19
..... acres in open field	4	..... acres in open field	4
..... sq. ft. under protection	5,250	..... sq. ft. under protection	5,900
..... dollars	32,700	..... dollars	43,590
Foliage plants, indoor		Hemp	
..... farms	10	..... farms	-
..... acres in open field	2	..... acres in open field	-
..... sq. ft. under protection	500	..... sq. ft. under protection	-
..... dollars	14,200	..... dollars	-
Other floriculture and bedding			
..... farms	1		
..... acres in open field	(D)		
..... sq. ft. under protection	(D)		
..... dollars	(D)		

**Table 13. Livestock, Poultry, and Their Products: 2023 and 2018**

[For enumeration periods, see appendix A. For meaning of abbreviations and symbols, see introductory text.]

Item	2023	2018	Item	2023	2018
<b>INVENTORY</b>			<b>SALES</b>		
<b>Livestock</b>			<b>Livestock</b>		
Cattle and calves of all ages ..... farms	112	72	Cattle and calves of all ages ..... farms	59	21
..... number	3,536	1,156	..... number	391	108
Cows (see text) ..... farms	107	(NA)	Cows (see text) ..... farms	48	(NA)
..... number	2,730	(NA)	..... number	324	(NA)
All other cattle and calves ..... farms	37	70	All other cattle and calves ..... farms	14	21
..... number	806	1,150	..... number	67	108
Hogs and pigs of all ages ..... farms	95	72	Hogs and pigs of all ages ..... farms	59	30
..... number	2,045	1,107	..... number	727	620
Goats and kids of all ages ..... farms	37	48	Goats and kids of all ages ..... farms	8	10
..... number	675	636	..... number	55	49
Horses, mules, and colts of all ages ..... farms	-	-	Horses, mules, and colts of all ages ..... farms	-	-
..... number	-	-	..... number	-	-
Other livestock ..... farms	11	7	Other livestock ..... farms	3	4
..... number	60	60	..... number	511	13
<b>Poultry</b>			<b>Poultry</b>		
Chicken hens 4 months old or older ..... farms	49	115	Chicken hens 4 months old or older ..... farms	8	7
..... number	1,850	5,936	..... number	204	375
Commercial layers ..... farms	15	5	Commercial layers ..... farms	2	1
..... number	538	(D)	..... number	(D)	(D)
Other chicken hens ..... farms	40	111	Other chicken hens ..... farms	6	6
..... number	1,312	(D)	..... number	(D)	(D)
Chickens less than 4 months old ..... farms	43	83	Chickens less than 4 months old ..... farms	7	1
..... number	1,583	2,478	..... number	195	(D)
Roosters and pullets ..... farms	53	61	Roosters and pullets ..... farms	13	4
..... number	1,567	813	..... number	240	135
Ducks ..... farms	29	42	Ducks ..... farms	9	3
..... number	739	807	..... number	303	30
Pigeons ..... farms	11	11	Pigeons ..... farms	4	1
..... number	389	440	..... number	(D)	(D)
Other poultry ..... farms	2	5	Chicken eggs ..... farms	3	27
..... number	(D)	46	..... dozens	(D)	51,596
			Other poultry and poultry products (excluding chicken eggs) ..... farms	1	-
			..... number	(D)	-

**Table 14. Fish and Other Aquaculture Products: 2023 and 2018**

[For enumeration periods, see appendix A. For meaning of abbreviations and symbols, see introductory text.]

Item	2023	2018
Farms .....	1	4
Ponds .....	(D)	3
Tanks .....	-	(D)
Quantity sold (pounds) .....	-	1,100
Sales (dollars) .....	-	(D)

**Table 15. Farms, Land in Farms, and Land Use by Municipalities: 2023 and 2018**

[Totals may not add due to rounding. For enumeration periods, see appendix A. For meaning of abbreviations and symbols, see introductory text.]

Item	Northern Mariana Islands		Rota		Saipan		Tinian	
	2023	2018	2023	2018	2023	2018	2023	2018
Farms .....number	316	253	75	27	181	182	60	44
Land in farms .....acres	2,833	1,515	496	365	572	459	1,765	692
Average size of farm .....acres	9.0	6.0	6.6	13.5	3.2	2.5	29.4	15.7
Total cropland .....farms	241	170	61	20	148	140	32	10
.....acres	555	431	237	116	219	281	99	34
Harvested .....farms	231	166	55	20	144	137	32	9
.....acres	498	372	196	89	203	253	99	29
Other .....farms	29	18	13	4	16	11	-	3
.....acres	57	60	41	27	16	28	-	5
Pasture or grazing land .....farms	104	65	28	14	41	18	35	33
.....acres	2,025	924	217	247	259	77	1,549	600
Woodland .....farms	25	12	-	-	19	1	6	11
.....acres	70	35	-	-	20	(D)	50	(D)
Other land .....farms	110	109	26	4	70	96	14	9
.....acres	184	125	43	2	74	(D)	68	(D)

**Table 16. Farms, Land in Farms, and Size of Farm by Municipalities: 2023 and 2018**

[Totals may not add due to rounding. For enumeration periods, see appendix A. For meaning of abbreviations and symbols, see introductory text.]

Item	Northern Mariana Islands		Rota		Saipan		Tinian	
	2023	2018	2023	2018	2023	2018	2023	2018
Farms .....number	316	253	75	27	181	182	60	44
Land in farms .....acres	2,833	1,515	496	365	572	459	1,765	692
Farms by size:								
Less than 1 acre .....number	76	72	2	3	71	69	3	-
.....acres	(D)	23	(D)	1	(D)	22	(D)	-
1 to 1.9 acres .....number	50	30	14	1	31	29	5	-
.....acres	53	(D)	15	(D)	33	36	5	-
2 to 3.9 acres .....number	80	61	26	7	40	47	14	7
.....acres	178	151	55	18	89	115	34	19
4 to 7.9 acres .....number	48	45	17	5	28	24	3	16
.....acres	252	237	95	31	139	120	18	86
8 to 9.9 acres .....number	6	5	2	2	1	1	3	2
.....acres	51	44	(D)	(D)	(D)	(D)	26	(D)
10 to 19.9 acres .....number	15	18	6	2	6	11	3	5
.....acres	195	232	94	(D)	68	138	33	(D)
20 to 39.9 acres .....number	26	15	7	5	2	1	17	9
.....acres	702	391	(D)	(D)	(D)	(D)	492	227
40 to 49.9 acres .....number	2	2	-	-	-	-	2	2
.....acres	(D)	(D)	-	-	-	-	(D)	(D)
50 acres or more .....number	13	5	1	2	2	-	10	3
.....acres	1,289	316	(D)	(D)	(D)	-	1,065	(D)

**Table 17. Type of Organization and Labor Status by Municipalities: 2023 and 2018**

[Totals may not add due to rounding. For enumeration periods, see appendix A. For meaning of abbreviations and symbols, see introductory text.]

Item	Northern Mariana Islands		Rota		Saipan		Tinian	
	2023	2018	2023	2018	2023	2018	2023	2018
<b>TYPE OF ORGANIZATION</b>								
Total farms .....number	316	253	75	27	181	182	60	44
Individual .....number	282	218	70	23	158	153	54	42
Partnership .....number	10	9	-	-	10	9	-	-
Corporation .....number	22	23	3	3	13	18	6	2
Other .....number	2	3	2	1	-	2	-	-
<b>LABOR STATUS</b>								
Farms with unpaid labor .....number	269	204	71	18	150	149	48	37
Number of unpaid workers that worked:								
Less than 25 days .....number	46	6	(D)	(D)	(D)	(D)	(D)	-
25 to 149 days .....number	123	35	37	-	73	(D)	13	(D)
150 days or more .....number	369	345	69	23	182	256	118	66
Farms with paid labor .....number	81	86	10	14	47	59	24	13
Number of paid workers that worked:								
Less than 25 days .....number	14	30	-	5	(D)	18	(D)	7
25 to 149 days .....number	46	15	(D)	(D)	23	6	(D)	(D)
150 days or more .....number	308	120	20	17	258	88	30	15

**Table 18. Farms, Land in Farms, Cropland, and Tenure of Operations by Municipalities: 2023 and 2018**

[Totals may not add due to rounding. For enumeration periods, see appendix A. For meaning of abbreviations and symbols, see introductory text.]

Item	Northern Mariana Islands		Rota		Saipan		Tinian	
	2023	2018	2023	2018	2023	2018	2023	2018
Operations .....farms	316	253	75	27	181	182	60	44
Land in farms .....acres	2,833	1,515	496	365	572	459	1,765	692
Average size of farm .....acres	9.0	6.0	6.6	13.5	3.2	2.5	29.4	15.7
Total cropland .....farms	241	170	61	20	148	140	32	10
.....acres	555	431	237	116	219	281	99	34
Full owners .....farms	231	162	46	18	152	123	33	21
.....acres	1,733	618	261	138	485	(D)	988	(D)
Total Cropland .....farms	187	108	40	14	124	89	23	5
.....acres	360	256	140	83	170	152	51	21
Part owners .....farms	2	9	-	3	2	4	-	2
.....acres	(D)	211	-	157	(D)	(D)	-	(D)
Total Cropland .....farms	1	4	-	-	1	4	-	-
.....acres	(D)	(D)	-	-	(D)	(D)	-	-
Tenants .....farms	83	82	29	6	27	55	27	21
.....acres	(D)	687	235	70	(D)	167	778	449
Total Cropland .....farms	53	58	21	6	23	47	9	5
.....acres	(D)	(D)	97	33	(D)	(D)	48	13

**Table 19. Irrigation by Municipalities: 2023 and 2018**

[Totals may not add due to rounding. For enumeration periods, see appendix A. For meaning of abbreviations and symbols, see introductory text.]

Item	Northern Mariana Islands		Rota		Saipan		Tinian	
	2023	2018	2023	2018	2023	2018	2023	2018
Land irrigated .....farms	157	205	17	14	116	167	24	24
.....acres	207	780	36	111	130	333	41	335
Private system .....farms	15	50	-	6	11	34	4	10
.....acres	11	309	-	41	10	69	1	199
Public system .....farms	147	177	17	13	108	146	22	18
.....acres	196	471	36	71	120	264	40	136
Public system water rate:								
Agricultural .....farms	31	27	4	9	21	18	6	-
Residential .....farms	116	150	13	4	87	128	16	18
Farms by major source of irrigation water:								
Well or cistern .....acres	3	34	-	-	3	28	-	6
River or stream .....acres	2	-	2	-	-	-	-	-
Lake or private pond .....acres	-	-	-	-	-	-	-	-
Canal or irrigation district .....acres	-	-	-	-	-	-	-	-
Public utility .....acres	143	163	15	12	106	133	22	18
Other .....acres	9	8	-	2	9	6	-	-

**Table 20. Market Value of Agricultural Products Sold by Municipalities: 2023 and 2018**

[Totals may not add due to rounding. For enumeration periods, see appendix A. For meaning of abbreviations and symbols, see introductory text.]

Item	Northern Mariana Islands		Rota		Saipan		Tinian	
	2023	2018	2023	2018	2023	2018	2023	2018
All agricultural products .....farms	316	253	75	27	181	182	60	44
.....dollars	2,759,096	1,580,081	589,474	313,133	1,533,805	1,096,848	635,817	170,100
Root crops .....farms	73	43	15	10	50	31	8	2
.....dollars	413,715	(D)	355,985	180,650	53,350	(D)	4,380	(D)
Vegetables and melons .....farms	98	64	24	11	64	51	10	2
.....dollars	1,260,410	638,609	133,442	(D)	918,123	451,939	208,845	(D)
Fruits and nuts .....farms	121	66	22	4	87	60	12	2
.....dollars	343,875	(D)	73,269	(D)	159,494	103,080	111,112	(D)
Nursery crops and hemp (including ornamental plants) (see text) .....farms	19	(NA)	-	(NA)	18	(NA)	1	(NA)
.....dollars	114,690	(NA)	-	(NA)	(D)	(NA)	(D)	(NA)
Livestock and livestock products .....farms	110	46	16	4	59	32	35	10
.....dollars	459,565	134,175	21,150	10,000	218,115	85,825	220,300	38,350
Poultry and poultry products .....farms	26	43	1	3	20	39	5	1
.....dollars	20,248	214,201	(D)	(D)	(D)	(D)	(D)	(D)
Fish and other aquaculture products .....farms	-	3	-	-	-	3	-	-
.....dollars	-	(D)	-	-	-	(D)	-	-
Value-added products sold (see text) .....farms	46	(NA)	4	(NA)	25	(NA)	17	(NA)
.....dollars	146,593	(NA)	(D)	(NA)	(D)	(NA)	85,300	(NA)

**Table 21. Root Crops Harvested for Sale by Municipalities: 2023 and 2018**

[Totals may not add due to rounding. For enumeration periods, see appendix A. For meaning of abbreviations and symbols, see introductory text.]

Item	Northern Mariana Islands		Rota		Saipan		Tinian		
	2023	2018	2023	2018	2023	2018	2023	2018	
Cassava (tapioca) .....	farms	46	32	3	5	35	25	8	2
	acres	12	21	3	(D)	6	8	3	(D)
	pounds	18,786	21,951	2,060	(D)	15,730	15,536	996	(D)
Gado .....	farms	5	3	-	1	5	2	-	-
	acres	1	(D)	-	(D)	1	(D)	-	-
	pounds	1,175	(D)	-	(D)	1,175	(D)	-	-
Ginger .....	farms	13	16	1	7	9	9	3	-
	acres	4	4	(D)	3	1	1	(D)	-
	pounds	2,638	15,290	(D)	15,200	(D)	90	(D)	-
Sweet potatoes .....	farms	35	43	11	11	19	32	5	-
	acres	35	35	26	27	6	8	3	-
	pounds	184,868	153,388	169,200	139,400	(D)	13,988	(D)	-
Taro .....	farms	39	40	8	10	25	28	6	2
	acres	20	20	11	7	7	(D)	2	(D)
	pounds	65,405	83,189	58,375	66,520	5,895	16,669	1,135	-
Yams .....	farms	43	18	9	2	27	15	7	1
	acres	20	4	15	(D)	3	(D)	2	(D)
	pounds	41,964	3,450	30,579	(D)	10,095	(D)	1,290	-
Other root crops .....	farms	3	2	-	1	3	1	-	-
	acres	1	(D)	-	(D)	1	(D)	-	-
	pounds	(D)	(D)	-	-	(D)	(D)	-	-

**Table 22. Vegetables and Melons Harvested for Sale by Municipalities: 2023 and 2018**

[Totals may not add due to rounding. For enumeration periods, see appendix A. For meaning of abbreviations and symbols, see introductory text.]

Item	Northern Mariana Islands		Rota		Saipan		Tinian		
	2023	2018	2023	2018	2023	2018	2023	2018	
Alfalfa and/or bean sprouts (see text) .....	farms	2	2	-	-	-	2	2	-
	acres	(D)	(NA)	-	(NA)	-	(NA)	(D)	(NA)
	pounds	(D)	(D)	-	-	-	(D)	(D)	-
Beans, winged (see text) .....	farms	10	(NA)	4	(NA)	4	(NA)	2	(NA)
	acres	3	(NA)	3	(NA)	(D)	(NA)	(D)	(NA)
	pounds	968	(NA)	(D)	(NA)	480	(NA)	(D)	(NA)
Beans, yard-long .....	farms	30	30	2	4	26	24	2	2
	acres	9	10	(D)	(D)	(D)	7	(D)	(D)
	pounds	29,207	22,827	(D)	(D)	26,897	16,627	(D)	(D)
Beans, all other .....	farms	6	15	1	-	5	13	-	2
	acres	4	5	(D)	-	(D)	(D)	-	(D)
	pounds	46,596	11,288	(D)	-	(D)	(D)	-	(D)
Bittermelons .....	farms	32	30	1	2	29	26	2	2
	acres	9	10	(D)	(D)	(D)	(D)	(D)	(D)
	pounds	36,315	23,196	(D)	(D)	31,272	20,496	(D)	(D)
Cabbage, Chinese .....	farms	14	9	2	-	12	8	-	1
	acres	8	3	(D)	-	(D)	(D)	-	(D)
	pounds	28,440	5,027	(D)	-	(D)	(D)	-	(D)
Cantaloupes .....	farms	-	2	-	-	-	2	-	-
	acres	-	(D)	-	-	-	(D)	-	-
	pounds	-	(D)	-	-	-	(D)	-	-
Corn (sweet) <sup>1</sup> .....	farms	16	20	-	2	14	17	2	1
	acres	5	9	-	(D)	(D)	(D)	(D)	(D)
	pounds	16,440	18,421	-	(D)	(D)	14,621	(D)	(D)
Cucumbers .....	farms	43	41	10	8	30	31	3	2
	acres	16	20	7	(D)	8	13	1	(D)
	pounds	115,692	66,902	(D)	(D)	84,146	51,152	(D)	(D)
Eggplant .....	farms	62	67	5	5	52	59	5	3
	acres	13	21	4	2	9	16	1	4
	pounds	63,332	29,722	705	(D)	47,377	24,472	15,250	(D)
Herbs (see text) .....	farms	7	(NA)	-	(NA)	7	(NA)	-	(NA)
	acres	5	(NA)	-	(NA)	5	(NA)	-	(NA)
	pounds	2,520	(NA)	-	(NA)	2,520	(NA)	-	(NA)
Muskmelons .....	farms	-	3	-	-	-	3	-	-
	acres	-	(Z)	-	-	-	(Z)	-	-
	pounds	-	1,040	-	-	-	1,040	-	-
Okra .....	farms	51	47	9	2	34	43	8	2
	acres	17	12	9	(D)	7	(D)	1	(D)
	pounds	30,186	24,588	7,031	(D)	20,327	14,288	2,828	(D)
Onions, green .....	farms	32	36	2	2	27	31	3	3
	acres	9	11	(D)	(D)	7	6	(D)	(D)
	pounds	29,270	11,495	(D)	(D)	(D)	8,945	(D)	(D)
Peppers, hot .....	farms	60	68	12	7	40	59	8	2
	acres	26	21	17	(D)	7	14	3	(D)
	pounds	32,025	38,269	12,949	(D)	15,040	20,454	4,036	(D)
Peppers, sweet .....	farms	8	7	2	1	6	5	-	1
	acres	4	11	(D)	(D)	(D)	(D)	-	(D)
	pounds	2,480	4,140	(D)	(D)	(D)	(D)	-	(D)
Pumpkins and squash .....	farms	49	42	5	2	38	39	6	1
	acres	14	14	2	(D)	9	(D)	2	(D)
	pounds	40,505	38,767	6,500	(D)	28,885	29,767	5,120	(D)
Radishes .....	farms	11	19	3	5	8	11	-	3
	acres	7	11	2	6	5	3	-	2
	pounds	19,847	12,690	3,347	(D)	16,500	6,290	-	(D)
Tomatoes .....	farms	54	47	11	5	39	39	4	3
	acres	22	22	11	2	10	16	1	4
	pounds	58,699	56,383	(D)	(D)	43,073	50,383	(D)	(D)
Watermelons .....	farms	18	16	8	6	10	8	-	2
	acres	20	13	17	8	4	(D)	-	(D)
	pounds	103,885	31,740	92,737	(D)	11,148	13,620	-	(D)
Other vegetables and melons .....	farms	5	21	2	1	3	20	-	-
	acres	2	14	(D)	(D)	(D)	(D)	-	-
	pounds	525	20,672	(D)	-	(D)	20,672	-	-

<sup>1</sup> Includes dry and green corn.

**Table 23. Fruits and Nuts Harvested for Sale by Municipalities: 2023 and 2018**

[Totals may not add due to rounding. For enumeration periods, see appendix A. For meaning of abbreviations and symbols, see introductory text.]

Item	Northern Mariana Islands		Rota		Saipan		Tinian	
	2023	2018	2023	2018	2023	2018	2023	2018
Avocados	47	45	6	4	33	33	8	8
farms								
trees not of bearing age	308	242	(D)	112	279	79	(D)	51
trees of bearing age	775	197	177	89	578	89	20	19
pounds	12,892	4,551	(D)	(D)	9,080	3,645	(D)	(D)
Bananas	107	118	11	10	78	95	18	13
farms								
trees not of bearing age	2,521	16,596	(D)	5,330	2,496	8,766	(D)	2,500
trees of bearing age	7,787	17,076	349	1,409	5,058	11,185	2,380	4,482
pounds	40,852	79,135	2,072	22,070	31,380	55,947	7,400	1,118
Betelnuts	70	62	12	4	53	55	5	3
farms								
trees not of bearing age	7,081	8,645	(D)	(D)	(D)	(D)	(D)	45
trees of bearing age	9,125	8,640	(D)	(D)	5,837	6,153	(D)	(D)
pounds	52,868	31,035	(D)	5,300	18,325	25,735	(D)	(D)
Breadfruits	38	40	4	3	23	32	11	5
farms								
trees not of bearing age	39	57	(D)	(D)	39	33	(D)	(D)
trees of bearing age	180	101	34	(D)	58	84	88	(D)
pounds	7,455	6,200	(D)	(D)	5,165	6,040	2,290	(D)
Coconuts	46	84	9	4	26	66	11	14
farms								
trees not of bearing age	565	1,130	(D)	270	(D)	158	(D)	702
trees of bearing age	1,173	2,669	319	450	532	1,747	322	472
pounds	20,920	27,305	4,000	(D)	7,550	23,805	9,370	3,500
Dragon fruit (see text)	34	(NA)	2	(NA)	20	(NA)	12	(NA)
farms								
trees not of bearing age	81	(NA)	(D)	(NA)	(D)	(NA)	(D)	(NA)
trees of bearing age	2,403	(NA)	(D)	(NA)	1,197	(NA)	(D)	(NA)
pounds	13,396	(NA)	(D)	(NA)	(D)	(NA)	4,026	(NA)
Grapefruit	6	18	(D)	1	5	16	1	1
farms								
trees not of bearing age	(D)	15	(D)	(D)	(D)	(D)	(D)	(D)
trees of bearing age	13	32	(D)	(D)	(D)	(D)	(D)	(D)
pounds	900	3,526	(D)	(D)	900	(D)	(D)	(D)
Guavas	40	32	2	2	29	29	9	1
farms								
trees not of bearing age	110	(D)	(D)	(D)	75	24	(D)	(D)
trees of bearing age	346	325	(D)	(D)	170	(D)	(D)	(D)
pounds	5,636	2,591	(D)	(D)	1,981	(D)	(D)	(D)
Lemons and limes	91	77	23	5	53	65	15	7
farms								
trees not of bearing age	239	504	(D)	94	(D)	119	80	291
trees of bearing age	2,122	795	1,620	195	367	531	135	69
pounds	26,255	12,075	12,590	(D)	7,615	10,325	6,050	(D)
Mangoes	60	81	5	6	44	69	11	6
farms								
trees not of bearing age	61	170	(D)	(D)	(D)	82	41	(D)
trees of bearing age	503	395	211	(D)	247	278	45	(D)
pounds	11,305	19,490	(D)	(D)	8,305	12,440	3,000	(D)
Mountain Apples (see text)	11	(NA)	1	(NA)	8	(NA)	2	(NA)
farms								
trees not of bearing age	8	(NA)	(D)	(NA)	(D)	(NA)	(D)	(NA)
trees of bearing age	10	(NA)	(D)	(NA)	(D)	(NA)	(D)	(NA)
pounds	(D)	(NA)	(D)	(NA)	(D)	(NA)	(D)	(NA)
Oranges	16	17	3	2	6	10	7	5
farms								
trees not of bearing age	18	33	(D)	(D)	(D)	(D)	(D)	14
trees of bearing age	68	61	50	(D)	7	37	11	(D)
pounds	1,060	1,580	(D)	(D)	350	690	710	(D)
Papayas	61	74	4	4	46	62	11	8
farms								
trees not of bearing age	357	797	(D)	(D)	(D)	396	(D)	(D)
trees of bearing age	1,443	1,217	747	(D)	553	1,006	143	(D)
pounds	25,685	15,433	13,830	(D)	6,105	12,560	5,750	(D)
Pineapples	20	16	4	1	9	13	7	2
farms								
plants not of bearing age	113	252	(D)	(D)	(D)	231	50	(D)
plants of bearing age	8,895	321	3,400	(D)	(D)	(D)	(D)	(D)
pounds	28,288	780	(D)	(D)	1,430	(D)	(D)	(D)
Soursops	60	55	7	3	42	46	11	6
farms								
vines not of bearing age	67	160	(D)	(D)	67	30	(D)	130
vines of bearing age	326	371	33	11	204	305	89	55
pounds	3,376	7,770	200	(D)	2,425	7,470	751	(D)
Starfruits	24	19	3	(D)	15	16	6	3
farms								
trees not of bearing age	(D)	12	(D)	(D)	(D)	5	(D)	7
trees of bearing age	39	30	9	(D)	22	30	8	(D)
pounds	772	1,080	(D)	(D)	620	1,080	152	(D)
Sweetsops	28	38	2	3	15	29	11	6
farms								
trees not of bearing age	(D)	654	(D)	(D)	(D)	35	(D)	(D)
trees of bearing age	350	251	(D)	(D)	(D)	221	187	(D)
pounds	2,554	1,019	(D)	(D)	1,390	859	1,164	(D)
Tangerines	78	72	8	2	56	58	14	12
farms								
trees not of bearing age	50	220	(D)	(D)	24	(D)	26	180
trees of bearing age	475	417	74	(D)	340	241	61	(D)
pounds	10,732	8,435	1,972	(D)	7,620	7,875	1,140	(D)
Other fruits, nuts, and tree crops	23	30	2	3	13	22	8	5
farms								
plants or trees not of bearing age	224	676	(D)	(D)	201	(D)	23	23
plants or trees of bearing age	6,323	1,043	(D)	(D)	(D)	510	(D)	(D)
pounds	12,140	13,122	(D)	(D)	(D)	12,897	(D)	(D)



**Table 24. Livestock, Poultry and Their Products, and Fish by Municipalities: 2023 and 2018**

[For enumeration periods, see appendix A. For meaning of abbreviations and symbols, see introductory text.]

Item	Northern Mariana Islands		Rota		Saipan		Tinian	
	2023	2018	2023	2018	2023	2018	2023	2018
<b>CATTLE AND CALVES</b>								
Inventory .....	112	72	26	12	48	32	38	28
.....farms								
.....number	3,536	1,156	521	124	683	194	2,332	838
Sales .....	59	21	10	5	19	2	30	14
.....farms								
.....number	391	108	25	(D)	78	(D)	288	86
<b>COWS (see text)</b>								
Inventory .....	107	(NA)	22	(NA)	47	(NA)	38	(NA)
.....farms								
.....number	2,730	(NA)	386	(NA)	579	(NA)	1,765	(NA)
Sales .....	48	(NA)	8	(NA)	18	(NA)	22	(NA)
.....farms								
.....number	324	(NA)	(D)	(NA)	(D)	(NA)	231	(NA)
<b>OTHER CATTLE AND CALVES</b>								
Inventory .....	37	70	9	12	9	30	19	28
.....farms								
.....number	806	1,150	135	124	104	188	567	838
Sales .....	14	21	2	5	2	2	10	14
.....farms								
.....number	67	108	(D)	(D)	(D)	(D)	57	86
<b>HOGS AND PIGS OF ALL AGES</b>								
Inventory .....	95	72	13	2	60	61	22	9
.....farms								
.....number	2,045	1,107	202	(D)	1,443	1,032	400	(D)
Sales .....	59	30	8	-	42	27	9	3
.....farms								
.....number	727	620	41	-	610	(D)	76	(D)
<b>GOATS AND KIDS OF ALL AGES</b>								
Inventory .....	37	48	2	1	28	43	7	4
.....farms								
.....number	675	636	(D)	(D)	(D)	503	431	(D)
Sales .....	8	10	-	1	8	9	-	-
.....farms								
.....number	55	49	-	(D)	55	(D)	-	-
<b>HORSES, MULES, AND COLTS OF ALL AGES</b>								
Inventory .....	-	-	-	-	-	-	-	-
.....farms								
.....number	-	-	-	-	-	-	-	-
Sales .....	-	-	-	-	-	-	-	-
.....farms								
.....number	-	-	-	-	-	-	-	-
<b>OTHER LIVESTOCK</b>								
Inventory .....	11	(NA)	-	(NA)	8	(NA)	3	(NA)
.....farms								
.....number	60	(NA)	-	(NA)	55	(NA)	5	(NA)
Sales .....	3	(NA)	-	(NA)	3	(NA)	-	(NA)
.....farms								
.....number	511	(NA)	-	(NA)	511	(NA)	-	(NA)
<b>POULTRY AND POULTRY PRODUCTS</b>								
Chicken hens 4 months old or older:								
Inventory .....	49	115	5	5	28	92	16	18
.....farms								
.....number	1,850	5,936	86	202	1,191	4,514	573	1,220
Sales .....	8	7	-	-	6	7	2	-
.....farms								
.....number	204	375	-	-	(D)	375	(D)	-
Commercial layers:								
Inventory .....	15	5	-	1	6	2	9	2
.....farms								
.....number	538	(D)	-	(D)	230	(D)	308	(D)
Sales .....	2	1	-	-	-	1	2	-
.....farms								
.....number	(D)	(D)	-	-	-	(D)	(D)	-
Other chicken hens:								
Inventory .....	40	111	5	4	25	91	10	16
.....farms								
.....number	1,312	(D)	86	(D)	961	(D)	265	(D)
Sales .....	6	6	-	-	6	6	-	-
.....farms								
.....number	(D)	(D)	-	-	(D)	(D)	-	-
Chickens under 4 months old:								
Inventory .....	43	83	-	2	33	75	10	6
.....farms								
.....number	1,583	2,478	-	(D)	1,173	2,254	410	(D)
Sales .....	7	1	-	-	7	1	-	-
.....farms								
.....number	195	(D)	-	-	195	(D)	-	-
Roosters and pullets:								
Inventory .....	53	61	3	1	35	57	15	3
.....farms								
.....number	1,567	813	(D)	(D)	1,310	732	(D)	(D)
Sales .....	13	4	1	-	9	4	3	-
.....farms								
.....number	240	135	(D)	-	205	135	(D)	-
Ducks:								
Inventory .....	29	42	-	2	27	38	2	2
.....farms								
.....number	739	807	-	(D)	(D)	705	(D)	(D)
Sales .....	9	3	-	-	7	3	2	-
.....farms								
.....number	303	30	-	-	(D)	30	(D)	-
Pigeons:								
Inventory .....	11	11	-	-	7	8	4	3
.....farms								
.....number	389	440	-	-	169	240	220	200

--continued

**Table 24. Livestock, Poultry and Their Products, and Fish by Municipalities: 2023 and 2018 (continued)**

[For enumeration periods, see appendix A. For meaning of abbreviations and symbols, see introductory text.]

Item	Northern Mariana Islands		Rota		Saipan		Tinian	
	2023	2018	2023	2018	2023	2018	2023	2018
<b>POULTRY AND POULTRY PRODUCTS - Con.</b>								
Pigeons: - Con.								
Sales .....	4	1	-	-	3	-	1	1
.....farms								
.....number	(D)	(D)	-	-	(D)	-	(D)	(D)
Chicken eggs:								
Sales .....	3	27	-	2	3	25	-	-
.....farms								
.....dozens	(D)	51,596	-	(D)	(D)	(D)	-	-
Other poultry and poultry products:								
Inventory .....	2	5	-	-	1	5	1	-
.....farms								
.....number	(D)	46	-	-	(D)	46	(D)	-
Sales .....	1	-	-	-	1	-	-	-
.....farms								
.....number	(D)	-	-	-	(D)	-	-	-
<b>FISH AND OTHER</b>								
<b>AQUACULTURE PRODUCTS</b> .....	1	4	-	-	1	4	-	-
.....farms								
.....number of ponds	(D)	3	-	-	(D)	3	-	-
.....number of tanks	-	(D)	-	-	-	(D)	-	-
.....pounds sold	-	1,100	-	-	-	1,100	-	-

**Table 25. Selected Equipment by Municipalities: 2023 and 2018**

[For enumeration periods, see appendix A. For meaning of abbreviations and symbols, see introductory text.]

Item	Northern Mariana Islands		Rota		Saipan		Tinian	
	2023	2018	2023	2018	2023	2018	2023	2018
Tractors (all kinds) .....	51	45	6	9	26	25	19	11
.....farms								
.....number	68	55	8	9	37	33	23	13
Motortrucks .....	20	23	2	10	9	6	9	7
.....farms								
.....number	21	24	(D)	11	(D)	6	10	7
Automobiles .....	279	212	73	14	154	157	52	41
.....farms								
.....number	368	298	100	19	193	218	75	61
Tillers (all kinds) .....	73	58	13	7	50	45	10	6
.....farms								
.....number	118	151	16	9	85	134	17	8

**Table 26. Selected Farm Production Expenses by Municipalities: 2023 and 2018**

[For enumeration periods, see appendix A. For meaning of abbreviations and symbols, see introductory text.]

Item	Northern Mariana Islands		Rota		Saipan		Tinian	
	2023	2018	2023	2018	2023	2018	2023	2018
Machine hire and customwork .....	73	71	7	6	41	63	25	2
.....farms								
.....dollars	121,882	162,811	2,660	(D)	70,522	161,455	48,700	(D)
Hired farm labor .....	83	86	10	14	47	59	26	13
.....farms								
.....dollars	1,105,820	960,863	315,946	224,730	577,924	722,903	211,950	13,230
Feed purchased for livestock, poultry, and fish .....	104	92	8	5	72	77	24	10
.....farms								
.....dollars	150,068	244,180	12,800	11,680	105,800	212,900	31,468	19,600
Insecticides, fungicides, and herbicides .....	69	71	2	9	53	62	14	-
.....farms								
.....dollars	52,406	44,937	(D)	4,300	39,686	40,637	(D)	-
Fertilizers and manure purchased .....	135	95	36	18	82	77	17	-
.....farms								
.....dollars	193,255	93,777	105,515	29,790	71,018	63,987	16,722	-
Livestock, poultry, and fish purchased .....	42	24	2	3	30	15	10	6
.....farms								
.....dollars	40,619	19,560	(D)	(D)	31,805	9,610	(D)	(D)
Seed cost (including seedlings) .....	93	66	20	10	68	56	5	-
.....farms								
.....dollars	74,547	32,808	20,570	3,550	47,977	29,258	6,000	-
Gasoline, fuels and oils purchased .....	256	196	70	25	135	137	51	34
.....farms								
.....dollars	432,129	235,556	128,780	46,792	158,019	146,712	145,330	42,052
Water .....	219	185	30	8	145	153	44	24
.....farms								
.....dollars	313,811	254,042	21,368	6,160	178,217	222,048	114,226	25,834
Transportation cost (excluding fuel								
expenses) .....	127	79	3	5	85	41	39	33
.....farms								
.....dollars	184,205	136,545	(D)	6,800	97,786	78,905	(D)	50,840
Repairs, supplies, and maintenance								
costs (see text) .....	134	(NA)	37	(NA)	65	(NA)	32	(NA)
.....farms								
.....dollars	266,824	(NA)	37,149	(NA)	152,875	(NA)	76,800	(NA)

**Table 27. Off - Farm Work of Producers by Municipalities: 2023**

[For enumeration periods, see appendix A. For meaning of abbreviations and symbols, see introductory text.]

Producers by days of work off farm	Northern Mariana Islands	Rota	Saipan	Tinian
Total .....	316	75	181	60
None .....	64	2	44	18
Any .....	252	73	137	42
1 to 49 days .....	54	30	13	11
50 to 99 days .....	73	24	30	19
100 to 149 days .....	47	10	33	4
150 to 199 days .....	22	5	14	3
200 days or more .....	56	4	47	5

**Table 28. Producer Characteristics by Municipalities: 2023**

[For enumeration periods, see appendix A. For meaning of abbreviations and symbols, see introductory text.]

Item	Northern Mariana Islands		Rota		Saipan		Tinian	
<b>Producers by place of residence:</b>								
On farm operated .....	131		20		99		12	
Not on farm operated .....	185		55		82		48	
<b>Producers by years on present farm:</b>								
2 years or less .....	33		10		21		2	
3 to 4 years .....	27		8		12		7	
5 to 9 years .....	69		11		42		16	
10 years or more .....	187		46		106		35	
<b>Producers by age group:</b>								
Under 35 years .....	16		-		10		6	
35 to 44 years .....	34		7		15		12	
45 to 54 years .....	69		24		36		9	
55 to 64 years .....	109		32		56		21	
65 years and over .....	88		12		64		12	
Average age .....	57		57		58		54	
<b>Producers by main occupation:</b>								
Agricultural .....	158		38		92		28	
Nonagricultural .....	158		37		89		32	
<b>Producers of Hispanic, Latino, or Spanish origin (see text) .....</b>								
	10		-		10		-	
<b>Producers by race<sup>1</sup>:</b>								
American Indian or Alaska Native (see text) .....	-		-		-		-	
Asian <sup>2</sup> (see text) .....	85		20		52		13	
Asian Indian (see text) .....	-		-		-		-	
Chinese .....	13		-		12		1	
Filipino .....	52		7		33		12	
Japanese .....	2		-		2		-	
Korean (see text) .....	3		-		3		-	
Vietnamese (see text) .....	-		-		-		-	
Other Asian (see text) .....	15		13		2		-	
Black or African American (see text) .....	-		-		-		-	
Native Hawaiian or Other Pacific Islander <sup>3</sup> (see text) .....	237		56		133		48	
Native Hawaiian (see text) .....	-		-		-		-	
Carolinian (see text) .....	20		-		19		1	
Chamorro .....	215		55		115		45	
Samoan (see text) .....	-		-		-		-	
Other Pacific Islander (see text) .....	12		2		5		5	
White .....	1		-		-		1	
<b>Producers by sex:</b>								
Male .....	259		60		154		45	
Female .....	57		15		27		15	
<b>NUMBER OF TOTAL PRODUCERS (SEE TEXT)</b>								
Total producers .....	573		104		315		154	
<b>Farms by number of producers</b>								
1 producer .....	144		46		82		16	
2 producers .....	134		29		81		24	
3 producers .....	12		-		9		3	
4 producers .....	16		-		6		10	
5 or more producers .....	10		-		3		7	
Total male producers <sup>3</sup> .....	429		75		243		111	
<b>Farms by number of male producers</b>								
1 producer .....	210		71		114		25	
2 producers .....	62		2		40		20	
3 producers .....	13		-		5		8	
4 producers .....	6		-		6		-	
5 or more producers .....	6		-		2		4	
Total female producers <sup>3</sup> .....	144		29		72		43	
<b>Farms by number of female producers</b>								
1 producer .....	104		29		56		19	
2 producers .....	11		-		8		3	
3 producers .....	4		-		-		4	
4 producers .....	-		-		-		-	
5 or more producers .....	1		-		-		1	

<sup>1</sup> Producers may report more than one race.

<sup>2</sup> Asian and Native Hawaiian or Other Pacific Islander will represent respondents that checked any one of the subcategories listed below.

<sup>3</sup> Multiple producers per farm may be reported.

**Table 29. Farms, Land in Farms, and Type of Land Ownership by Municipalities: 2023 and 2018**

[Totals may not add due to rounding. For enumeration periods, see appendix A. For meaning of abbreviations and symbols, see introductory text.]

Item	Northern Mariana Islands		Rota		Saipan		Tinian	
	2023	2018	2023	2018	2023	2018	2023	2018
Total farms .....	316	253	75	27	181	182	60	44
Land in farms .....	2,833	1,515	496	365	572	459	1,765	692
<b>Farms with owned land .....</b>								
Land owned .....	233	171	46	21	154	127	33	23
Farms with land rented from others .....	1,555	663	227	166	340	282	988	215
Land rented from others .....	88	91	31	9	30	59	27	23
Farms with land rented to others .....	(D)	853	269	199	(D)	176	778	477
Land rented to others .....	2	-	-	-	2	-	-	-
Land rented to others .....	(D)	-	-	-	(D)	-	-	-

**Table 30. Summary by Tenure of Producer: 2023**

[Totals may not add due to rounding. For enumeration periods, see appendix A. For meaning of abbreviations and symbols, see introductory text.]

Item	Total	Full owners	Part owners	Tenants
<b>FARMS AND LAND IN FARMS</b>				
Farms .....number	316	231	2	83
Percent of farms .....	100.0	73.1	0.6	26.3
Land in farms .....acres	2,833	1,733	(D)	(D)
Percent of distribution .....	100.0	61.2	(D)	(D)
Average size of farm .....acres	9.0	7.5	(D)	(D)
<b>LAND USE</b>				
Total cropland .....farms	241	187	1	53
Harvested .....farms	555	360	(D)	(D)
Other .....farms	231	180	1	50
Pasture or grazing land .....farms	498	319	(D)	(D)
Woodland .....farms	29	24	-	5
Other land .....farms	57	41	-	16
Land irrigated .....farms	104	69	1	34
Private system .....farms	2,025	1,135	(D)	(D)
Public system .....farms	25	22	1	2
Other land .....farms	70	(D)	(D)	(D)
Land irrigated .....acres	110	96	2	12
Private system .....acres	184	(D)	(D)	14
Public system .....acres				
<b>IRRIGATION</b>				
Land irrigated .....farms	157	123	2	32
Private system .....farms	207	158	(D)	(D)
Public system .....farms	15	15	-	-
Other .....farms	11	11	-	-
Land irrigated .....acres	147	113	2	32
Private system .....acres	196	147	(D)	(D)
Public system .....acres				
<b>FARMS BY MAJOR SOURCE OF IRRIGATION WATER</b>				
Well or cistern .....	3	3	-	-
River or stream .....	2	2	-	-
Lake or private pond .....	-	-	-	-
Canal or irrigation district .....	-	-	-	-
Public utility .....	143	109	2	32
Other .....	9	9	-	-
<b>TENURE OF OPERATIONS</b>				
Operation .....farms	316	231	2	83
Owners .....acres	2,833	1,733	(D)	(D)
Full owners .....farms	233	231	2	-
Part owners .....farms	(D)	1,733	(D)	-
Tenants .....farms	231	231	-	-
Operation .....acres	1,733	1,733	-	-
Full owners .....acres	2	-	2	-
Part owners .....acres	(D)	-	(D)	-
Tenants .....acres	83	-	-	83
Operation .....acres	(D)	-	-	(D)
Full owners .....acres				
Part owners .....acres				
Tenants .....acres				
<b>FARMS BY SIZE</b>				
Farms .....number	316	231	2	83
Less than 1 acre .....	76	62	1	13
1 to 1.9 acres .....	50	37	1	12
2 to 3.9 acres .....	80	60	-	20
4 to 7.9 acres .....	48	37	-	11
8 to 9.9 acres .....	6	6	-	-
10 to 19.9 acres .....	15	11	-	4
20 to 39.9 acres .....	26	9	-	17
40 to 49.9 acres .....	2	-	-	2
50 acres or more .....	13	9	-	4
<b>PRODUCER CHARACTERISTICS</b>				
Producers by place of residence:				
On farm operated .....	131	112	1	18
Not on farm operated .....	185	119	1	65
Producers by years on present farm:				
2 years or less .....	33	23	-	10
3 to 4 years .....	27	11	-	16
5 to 9 years .....	69	50	-	19
10 years or more .....	187	147	2	38
Producers by age group:				
Under 35 years .....	16	12	-	4
35 to 44 years .....	34	16	-	18
45 to 54 years .....	69	43	-	26
55 to 64 years .....	109	82	-	27
65 years and over .....	88	78	2	8
Average age .....	57	59	(D)	(D)
Producers by main occupation:				
Agricultural .....	158	112	-	46
Nonagricultural .....	158	119	2	37
Producers by days of work off farm:				
None .....	64	42	-	22
Any .....	252	189	2	61
1 to 49 days .....	54	33	-	21
50 to 99 days .....	73	50	1	22
100 to 149 days .....	47	40	1	6

See footnote(s) at end of table.

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**Table 30. Summary by Tenure of Producer: 2023 (continued)**

[Totals may not add due to rounding. For enumeration periods, see appendix A. For meaning of abbreviations and symbols, see introductory text.]

Item	Total	Full owners	Part owners	Tenants
<b>PRODUCER CHARACTERISTICS - Con.</b>				
Producers by days of work off farm: - Con.				
Any - Con.				
150 to 199 days .....	22	19	-	3
200 days or more .....	56	47	-	9
Producers of Hispanic, Latino, or Spanish origin (see text) .....				
	10	10	-	-
Producers by race <sup>1</sup> :				
American Indian or Alaska Native (see text) .....	-	-	-	-
Asian <sup>2</sup> (see text) .....	85	40	-	45
Asian Indian (see text) .....	-	-	-	-
Chinese .....	13	2	-	11
Filipino .....	52	31	-	21
Japanese .....	2	2	-	-
Korean (see text) .....	3	3	-	-
Vietnamese (see text) .....	-	-	-	-
Other Asian (see text) .....	15	2	-	13
Black or African American (see text) .....	-	-	-	-
Native Hawaiian or Other Pacific Islander <sup>2</sup> (see text) .....				
Native Hawaiian (see text) .....	237	198	2	37
Carolinian (see text) .....	20	18	-	2
Chamorro .....	215	178	2	35
Samoan (see text) .....	-	-	-	-
Other Pacific Islander (see text) .....	12	7	-	5
White .....	1	-	-	1
Producers by sex:				
Male .....	259	187	2	70
Female .....	57	44	-	13
<b>NUMBER OF TOTAL PRODUCERS (SEE TEXT)</b>				
Total producers .....	573	415	2	156
Farms by number of producers				
1 producer .....	144	103	2	39
2 producers .....	134	101	-	33
3 producers .....	12	12	-	-
4 producers .....	16	10	-	6
5 or more producers .....	10	5	-	5
Total male producers <sup>3</sup> (see text) .....				
	429	304	2	123
Farms by number of male producers				
1 producer .....	210	152	2	56
2 producers .....	62	47	-	15
3 producers .....	13	9	-	4
4 producers .....	6	4	-	2
5 or more producers .....	6	3	-	3
Total female producers <sup>3</sup> (see text) .....				
	144	111	-	33
Farms by number of female producers				
1 producer .....	104	77	-	27
2 producers .....	11	11	-	-
3 producers .....	4	2	-	2
4 producers .....	-	-	-	-
5 or more producers .....	1	1	-	-
<b>COMPUTER USE</b>				
Computers used for the farm business .....	48	33	-	15
No computers used for the farm business .....	268	198	2	68
Internet access .....				
Dial-up service .....	227	169	-	58
Broadband (DSL, cable, fiber optic) (see text) .....	-	-	-	-
Cellular data plan (see text) .....	146	111	-	35
Satellite service .....	118	85	-	33
Other .....	-	-	-	-
Don't know (see text) .....	-	-	-	-
No internet access .....	88	61	2	25
<b>LABOR STATUS</b>				
Farms .....	316	231	2	83
workers				
Unpaid labor .....	906	512	(D)	(D)
farms				
Less than 25 days .....	269	200	2	67
workers				
25 to 149 days .....	538	404	(D)	(D)
farms				
150 days or more .....	18	14	-	4
workers				
Paid labor .....	46	36	-	10
farms				
Less than 25 days .....	74	58	1	15
workers				
25 to 149 days .....	123	93	(D)	(D)
farms				
150 days or more .....	214	159	1	54
workers				
	369	275	(D)	(D)
farms				
Paid labor .....	81	56	-	25
workers				
Less than 25 days .....	368	108	-	260
farms				
25 to 149 days .....	10	6	-	4
workers				
150 days or more .....	14	8	-	6
farms				
	17	14	-	3
workers				
	46	28	-	18
farms				
	60	42	-	18
workers				
	308	72	-	236

See footnote(s) at end of table.

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**Table 30. Summary by Tenure of Producer: 2023 (continued)**

[Totals may not add due to rounding. For enumeration periods, see appendix A. For meaning of abbreviations and symbols, see introductory text.]

Item	Total	Full owners	Part owners	Tenants
<b>SELECTED MACHINERY AND EQUIPMENT</b>				
Tractors (all kinds) .....farms	51	27	-	24
.....number	68	42	-	26
Mototrucks .....farms	20	13	-	7
.....number	21	14	-	7
Automobiles .....farms	279	211	2	66
.....number	368	273	(D)	(D)
Tillers (all kinds) .....farms	73	51	1	21
.....number	118	87	(D)	(D)
<b>MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD</b>				
Total sales .....farms	316	231	2	83
.....dollars	2,759,096	(D)	(D)	1,564,990
Average per farm .....dollars	8,731	(D)	(D)	18,855
Farms by value of sales:				
Less than \$1,200 .....farms	135	104	1	30
.....dollars	40,016	(D)	(D)	(D)
\$1,200 to \$2,499 .....farms	56	39	1	16
.....dollars	93,683	62,133	(D)	(D)
\$2,500 to \$4,999 .....farms	52	41	-	11
.....dollars	181,179	144,199	-	36,980
\$5,000 to \$7,499 .....farms	11	10	-	1
.....dollars	63,888	(D)	-	(D)
\$7,500 to \$9,999 .....farms	6	5	-	1
.....dollars	48,965	(D)	-	(D)
\$10,000 or more .....farms	56	32	-	24
.....dollars	2,331,365	856,615	-	1,474,750
<b>SALES BY COMMODITY GROUP OR PRODUCT</b>				
Root crops .....farms	73	58	-	15
.....dollars	413,715	145,665	-	268,050
Vegetables and melons .....farms	98	68	1	29
.....dollars	1,260,410	(D)	(D)	1,002,250
Fruits and nuts .....farms	121	107	-	14
.....dollars	343,875	248,845	-	95,030
Nursery crops and hemp (including ornamental plants) (see text) .....farms	19	16	-	3
.....dollars	114,690	111,890	-	2,800
Livestock and livestock products .....farms	110	84	1	25
.....dollars	459,565	(D)	(D)	135,760
Poultry and poultry products .....farms	26	23	-	3
.....dollars	20,248	16,248	-	4,000
Fish and other aquaculture products .....farms	-	-	-	-
.....dollars	-	-	-	-
Value of processed or value-added agricultural products (see text) .....farms	46	37	-	9
.....dollars	146,593	89,493	-	57,100
<b>SELECTED FARM PRODUCTION EXPENSES</b>				
Machine hire and customwork .....farms	73	53	-	20
.....dollars	121,882	81,382	-	40,500
Hired farm labor .....farms	83	56	-	27
.....dollars	1,105,820	554,320	-	551,500
Feed purchased for livestock, poultry, and fish .....farms	104	80	1	23
.....dollars	150,068	137,354	(D)	(D)
Insecticides, fungicides, and herbicides .....farms	69	47	-	22
.....dollars	52,406	23,806	-	28,600
Fertilizers and manure purchased .....farms	135	92	1	42
.....dollars	193,255	(D)	(D)	102,630
Livestock, poultry, and fish purchased .....farms	42	31	1	10
.....dollars	40,619	36,655	(D)	(D)
Seed costs (including seedlings) .....farms	93	59	1	33
.....dollars	74,547	51,275	(D)	(D)
Gasoline, fuels and oils purchased .....farms	256	189	2	65
.....dollars	432,129	270,166	(D)	(D)
Water .....farms	219	167	2	50
.....dollars	313,811	204,891	(D)	(D)
Transportation costs (excluding fuel expenses) .....farms	127	100	-	27
.....dollars	184,205	145,405	-	38,800
Reparis, supplies, and maintenance costs (see text) .....farms	134	89	-	45
.....dollars	266,824	194,709	-	72,115
<b>ROOT CROPS HARVESTED FOR SALE</b>				
Cassava (tapioca) .....farms	46	40	-	6
.....acres	12	9	-	3
.....pounds	18,786	17,926	-	860
Gado .....farms	5	5	-	-
.....acres	1	1	-	-
.....pounds	1,175	1,175	-	-
Ginger .....farms	13	9	-	4
.....acres	4	1	-	3
.....pounds	2,638	(D)	-	(D)
Sweet potatoes .....farms	35	20	-	15
.....acres	35	8	-	27
.....pounds	184,868	37,765	-	147,103

See footnote(s) at end of table.

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**Table 30. Summary by Tenure of Producer: 2023 (continued)**

[Totals may not add due to rounding. For enumeration periods, see appendix A. For meaning of abbreviations and symbols, see introductory text.]

Item	Total	Full owners	Part owners	Tenants
<b>ROOT CROPS HARVESTED FOR SALE - Con.</b>				
Taro .....farms	39	29	-	10
acres	20	14	-	6
pounds	65,405	38,455	-	26,950
Yams .....farms	43	37	-	6
acres	20	17	-	3
pounds	41,964	25,654	-	16,310
Other root crops .....farms	3	3	-	-
acres	1	1	-	-
pounds	(D)	(D)	-	-
<b>VEGETABLES AND MELONS HARVESTED FOR SALE</b>				
Alfalfa and/or bean sprouts (see text) .....farms	2	-	-	2
acres	(D)	-	-	(D)
pounds	(D)	-	-	(D)
Beans, winged .....farms	10	9	-	1
acres	3	(D)	-	(D)
pounds	968	(D)	-	(D)
Beans, yard long .....farms	30	18	1	11
acres	9	5	(D)	(D)
pounds	29,207	(D)	(D)	19,896
Beans, all other .....farms	6	1	-	5
acres	4	(D)	-	(D)
pounds	46,596	(D)	-	(D)
Bittermelons .....farms	32	20	1	11
acres	9	5	(D)	(D)
pounds	36,315	(D)	(D)	29,256
Cabbage, Chinese .....farms	14	7	-	7
acres	8	4	-	4
pounds	28,440	2,640	-	25,800
Cantaloupes .....farms	-	-	-	-
acres	-	-	-	-
pounds	-	-	-	-
Corn (sweet) <sup>4</sup> .....farms	16	7	-	9
acres	5	1	-	4
pounds	16,440	3,420	-	13,020
Cucumbers .....farms	43	23	-	20
acres	16	9	-	7
pounds	115,692	25,566	-	90,126
Eggplant .....farms	62	41	1	20
acres	13	(D)	(D)	7
pounds	63,332	(D)	(D)	45,760
Herbs (see text) .....farms	7	2	-	5
acres	5	(D)	-	(D)
pounds	2,520	(D)	-	(D)
Muskmelons .....farms	-	-	-	-
acres	-	-	-	-
pounds	-	-	-	-
Okra .....farms	51	30	1	20
acres	17	9	(D)	(D)
pounds	30,186	(D)	(D)	18,320
Onions, green .....farms	32	18	-	14
acres	9	4	-	4
pounds	29,270	3,845	-	25,425
Peppers, hot .....farms	60	42	-	18
acres	26	19	-	7
pounds	32,025	22,625	-	9,400
Peppers, sweet .....farms	8	4	-	4
acres	4	2	-	1
pounds	2,480	(D)	-	(D)
Pumpkins and squash .....farms	49	31	1	17
acres	14	7	(D)	(D)
pounds	40,505	(D)	(D)	21,320
Radishes .....farms	11	5	-	6
acres	7	2	-	5
pounds	19,847	8,247	-	11,600
Tomatoes .....farms	54	34	-	20
acres	22	14	-	8
pounds	58,699	19,089	-	39,610
Watermelons .....farms	18	9	-	9
acres	20	4	-	17
pounds	103,885	58,385	-	45,500
Other vegetables and melons .....farms	5	4	-	1
acres	2	(D)	-	(D)
pounds	525	(D)	-	(D)
<b>FRUITS AND NUTS HARVESTED FOR SALE</b>				
Avocados .....farms	47	44	-	3
trees not of bearing age	308	308	-	-
trees of bearing age	775	770	-	5
pounds	12,892	12,742	-	150
Bananas (all types) .....farms	107	98	1	8
trees not of bearing age	2,521	2,476	(D)	(D)
trees of bearing age	7,787	7,591	(D)	(D)
pounds	40,852	37,852	(D)	(D)
Betelnuts .....farms	70	63	-	7
trees not of bearing age	7,081	(D)	-	(D)
trees of bearing age	9,125	(D)	-	(D)
pounds	52,868	(D)	-	(D)
Breadfruits .....farms	38	35	1	2
trees not of bearing age	39	39	-	-
trees of bearing age	180	(D)	(D)	(D)
pounds	7,455	7,335	(D)	(D)

See footnote(s) at end of table.

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**Table 30. Summary by Tenure of Producer: 2023 (continued)**

[Totals may not add due to rounding. For enumeration periods, see appendix A. For meaning of abbreviations and symbols, see introductory text.]

Item	Total	Full owners	Part owners	Tenants
<b>FRUITS AND NUTS HARVESTED FOR SALE - Con.</b>				
Coconuts .....farms	46	41	-	5
trees not of bearing age	565	(D)	-	(D)
trees of bearing age	1,173	1,113	-	60
pounds	20,920	19,720	-	1,200
Dragon fruit (see text) .....farms	34	31	-	3
trees not of bearing age	81	(D)	-	(D)
trees of bearing age	2,403	(D)	-	(D)
pounds	13,396	(D)	-	(D)
Grapefruit .....farms	6	6	-	-
trees not of bearing age	(D)	(D)	-	-
trees of bearing age	13	13	-	-
pounds	900	900	-	-
Guavas .....farms	40	37	-	3
trees not of bearing age	110	(D)	-	(D)
trees of bearing age	346	(D)	-	(D)
pounds	5,636	(D)	-	(D)
Lemons and limes .....farms	91	83	-	8
trees not of bearing age	239	(D)	-	(D)
trees of bearing age	2,122	1,229	-	893
pounds	26,255	20,155	-	6,100
Mangoes .....farms	60	54	-	6
trees not of bearing age	61	61	-	-
trees of bearing age	503	479	-	24
pounds	11,305	10,705	-	600
Mountain Apples (see text) .....farms	11	11	-	-
trees not of bearing age	8	8	-	-
trees of bearing age	10	10	-	-
pounds	(D)	(D)	-	-
Oranges .....farms	16	16	-	-
trees not of bearing age	18	18	-	-
trees of bearing age	68	68	-	-
pounds	1,060	1,060	-	-
Papayas .....farms	61	56	-	5
trees not of bearing age	357	(D)	-	(D)
trees of bearing age	1,443	1,405	-	38
pounds	25,685	25,275	-	410
Pineapples .....farms	20	15	-	5
plants not of bearing age	113	65	-	48
plants of bearing age	8,895	(D)	-	(D)
pounds	28,288	(D)	-	(D)
Soursops .....farms	60	54	-	6
vines not of bearing age	67	67	-	-
vines of bearing age	326	308	-	18
pounds	3,376	3,266	-	110
Starfruits .....farms	24	22	-	2
trees not of bearing age	(D)	(D)	-	-
trees of bearing age	39	(D)	-	(D)
pounds	772	(D)	-	(D)
Sweetsops .....farms	28	26	-	2
trees not of bearing age	(D)	(D)	-	-
trees of bearing age	350	(D)	-	(D)
pounds	2,554	(D)	-	(D)
Tangerines .....farms	78	75	-	3
trees not of bearing age	50	50	-	-
trees of bearing age	475	461	-	14
pounds	10,732	10,592	-	140
Other fruits, nuts, and tree crops .....farms	23	18	-	5
plants or trees not of bearing age	224	(D)	-	(D)
plants or trees of bearing age	6,323	(D)	-	(D)
pounds	12,140	(D)	-	(D)
<b>NURSERY CROPS AND HEMP (INCLUDING ORNAMENTAL PLANTS) (SEE TEXT)</b>				
Bedding/Garden Plants (see text) .....farms	5	3	-	2
acres in open field	(D)	(D)	-	(D)
sq. ft. under protection	(D)	-	-	(D)
Cut flowers/Cut florist greens (see text) .....farms	16	13	-	3
acres in open field	4	(D)	-	(D)
sq. ft. under protection	5,250	4,850	-	400
Foliage plants, indoor (see text) .....farms	10	8	-	2
acres in open field	2	(D)	-	(D)
sq. ft. under protection	500	(D)	-	(D)
Other floriculture and bedding (see text) .....farms	1	1	-	-
acres in open field	(D)	(D)	-	-
sq. ft. under protection	(D)	(D)	-	-
Nursery Stock (see text) .....farms	6	6	-	-
acres in open field	1	1	-	-
sq. ft. under protection	(D)	(D)	-	-
Potted flowering plants (see text) .....farms	19	16	-	3
acres in open field	4	(D)	-	(D)
sq. ft. under protection	5,900	5,500	-	400
Hemp (see text) .....farms	-	-	-	-
acres in open field	-	-	-	-
sq. ft. under protection	-	-	-	-
<b>LIVESTOCK, POULTRY, AQUACULTURE AND THEIR PRODUCTS</b>				
<b>Inventory</b>				
All cattle and calves .....farms	112	78	-	34
number	3,536	2,147	-	1,389
Cows (see text) .....farms	107	75	-	32
number	2,730	1,552	-	1,178
Other cattle and calves .....farms	37	24	-	13
number	806	595	-	211

See footnote(s) at end of table.

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**Table 30. Summary by Tenure of Producer: 2023 (continued)**

[Totals may not add due to rounding. For enumeration periods, see appendix A. For meaning of abbreviations and symbols, see introductory text.]

Item	Total	Full owners	Part owners	Tenants
<b>LIVESTOCK, POULTRY, AQUACULTURE AND THEIR PRODUCTS - Con.</b>				
<b>Inventory - Con.</b>				
Hogs and pigs of all ages .....farms	95	82	1	12
.....number	2,045	1,871	(D)	(D)
Goats and kids of all ages .....farms	37	33	-	4
.....number	675	656	-	19
Horses, mules, and colts of all ages .....farms	-	-	-	-
.....number	-	-	-	-
Other livestock (see text) .....farms	11	11	-	-
.....number	60	60	-	-
Chicken hens 4 months old or older .....farms	49	39	-	10
.....number	1,850	1,726	-	124
Commercial layers .....farms	15	14	-	1
.....number	538	(D)	-	(D)
Other chicken hens .....farms	40	31	-	9
.....number	1,312	(D)	-	(D)
Chickens under 4 months old .....farms	43	35	1	7
.....number	1,583	1,345	(D)	(D)
Roosters and pullets .....farms	53	42	1	10
.....number	1,567	1,399	(D)	(D)
Ducks .....farms	29	25	-	4
.....number	739	(D)	-	(D)
Pigeons .....farms	11	10	-	1
.....number	389	(D)	-	(D)
Other poultry .....farms	2	2	-	-
.....number	(D)	(D)	-	-
<b>Sales</b>				
All cattle and calves .....farms	59	34	-	25
.....number	391	210	-	181
Cows (see text) .....farms	48	29	-	19
.....number	324	161	-	163
Other cattle and calves .....farms	14	8	-	6
.....number	67	49	-	18
Hogs and pigs of all ages .....farms	59	54	1	4
.....number	727	689	(D)	(D)
Goats and kids of all ages .....farms	8	7	-	1
.....number	55	(D)	-	(D)
Horses, mules, and colts of all ages .....farms	-	-	-	-
.....number	-	-	-	-
Other livestock (see text) .....farms	3	3	-	-
.....number	511	511	-	-
Chicken hens 4 months old or older .....farms	8	8	-	-
.....number	204	204	-	-
Commercial layers .....farms	2	2	-	-
.....number	(D)	(D)	-	-
Other chicken hens .....farms	6	6	-	-
.....number	(D)	(D)	-	-
Chickens under 4 months old .....farms	7	7	-	-
.....number	195	195	-	-
Roosters and pullets .....farms	13	11	-	2
.....number	240	(D)	-	(D)
Ducks .....farms	9	8	-	1
.....number	303	(D)	-	(D)
Pigeons .....farms	4	4	-	-
.....number	(D)	(D)	-	-
Chicken eggs .....farms	3	3	-	-
.....dozens	(D)	(D)	-	-
Other poultry and poultry products (excluding chicken eggs) .....farms	1	1	-	-
.....number	(D)	(D)	-	-
Fish and other aquaculture products .....farms	1	1	-	-
.....pounds	-	-	-	-

<sup>1</sup> Producers may report more than one race.

<sup>2</sup> Asian and Native Hawaiian or Other Pacific Islander will represent respondents that checked any one of the subcategories listed below.

<sup>3</sup> Multiple producers per farm may be reported.

<sup>4</sup> Includes dry and green corn.

**Table 31. Summary by Age of Producer: 2023**

[Totals may not add due to rounding. For enumeration periods, see appendix A. For meaning of abbreviations and symbols, see introductory text.]

Item	Total	Under 35 years	35 to 44 years	45 to 54 years	55 to 64 years	65 years and over
<b>FARMS AND LAND IN FARMS</b>						
Farms .....number	316	16	34	69	109	88
Percent of farms .....	100.0	5.1	10.8	21.8	34.5	27.8
Land in farms .....acres	2,833	254	341	556	1,063	619
Percent of distribution .....	100.0	9.0	12.0	19.6	37.5	21.8
Average size of farm .....acres	9.0	15.9	10.0	8.1	9.8	7.0
<b>LAND USE</b>						
Total cropland .....farms	241	5	25	52	86	73
.....acres	555	7	47	184	177	139
Harvested .....farms	231	5	25	50	81	70
.....acres	498	7	41	156	170	123
Other .....farms	29	-	5	8	9	7
.....acres	57	-	6	28	7	16
Pasture or grazing land .....farms	104	8	17	24	29	26
.....acres	2,025	238	276	308	809	394
Woodland .....farms	25	2	5	-	10	8
.....acres	70	(D)	(D)	-	42	22
Other land .....farms	110	7	8	20	35	40
.....acres	184	(D)	(D)	65	35	63
<b>IRRIGATION</b>						
Land irrigated .....farms	157	4	20	24	49	60
.....acres	207	(D)	21	(D)	60	89
Private system .....farms	15	-	-	1	11	3
.....acres	11	-	-	(D)	(D)	4
Public system .....farms	147	4	20	23	41	59
.....acres	196	(D)	21	(D)	(D)	85
<b>FARMS BY MAJOR SOURCE OF IRRIGATION WATER</b>						
Well or cistern .....	3	-	-	-	3	-
River or stream .....	2	-	-	-	2	-
Lake or private pond .....	-	-	-	-	-	-
Canal or irrigation district .....	-	-	-	-	-	-
Public utility .....	143	4	20	23	39	57
Other .....	9	-	-	2	4	3
<b>TENURE OF OPERATIONS</b>						
Operation .....farms	316	16	34	69	109	88
.....acres	2,833	254	341	556	1,063	619
Owners .....farms	233	12	16	43	82	80
.....acres	(D)	13	193	204	854	(D)
Full owners .....farms	231	12	16	43	82	78
.....acres	1,733	13	193	204	854	469
Part owners .....farms	2	-	-	-	-	2
.....acres	(D)	-	-	-	-	(D)
Tenants .....farms	83	4	18	26	27	(D)
.....acres	(D)	241	148	352	209	(D)
<b>FARMS BY SIZE</b>						
Farms .....number	316	16	34	69	109	88
Less than 1 acre .....	76	7	4	14	31	20
1 to 1.9 acres .....	50	1	8	9	16	16
2 to 3.9 acres .....	80	4	12	19	29	16
4 to 7.9 acres .....	48	1	2	11	15	19
8 to 9.9 acres .....	6	-	-	2	2	2
10 to 19.9 acres .....	15	-	2	4	5	4
20 to 39.9 acres .....	26	1	4	8	6	7
40 to 49.9 acres .....	2	-	-	-	-	2
50 acres or more .....	13	2	2	2	5	2
<b>PRODUCER CHARACTERISTICS</b>						
Producers by place of residence:						
On farm operated .....	131	3	8	25	46	49
Not on farm operated .....	185	13	26	44	63	39
Producers by years on present farm:						
2 years or less .....	33	6	2	11	10	4
3 to 4 years .....	27	3	4	2	11	7
5 to 9 years .....	69	7	11	15	22	14
10 years or more .....	187	-	17	41	66	63
Producers by age group:						
Under 35 years .....	16	16	-	-	-	-
35 to 44 years .....	34	-	34	-	-	-
45 to 54 years .....	69	-	-	69	-	-
55 to 64 years .....	109	-	-	-	109	-
65 years and over .....	88	-	-	-	-	88
Average age .....	57	28	41	50	59	71
Producers by main occupation:						
Agricultural .....	158	8	10	31	62	47
Nonagricultural .....	158	8	24	38	47	41
Producers by days of work off farm:						
None .....	64	7	8	12	21	16
Any .....	252	9	26	57	88	72
1 to 49 days .....	54	-	1	13	29	11
50 to 99 days .....	73	4	12	17	18	22
100 to 149 days .....	47	3	3	9	15	17

See footnote(s) at end of table.

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**Table 31. Summary by Age of Producer: 2023 (continued)**

[Totals may not add due to rounding. For enumeration periods, see appendix A. For meaning of abbreviations and symbols, see introductory text.]

Item	Total	Under 35 years	35 to 44 years	45 to 54 years	55 to 64 years	65 years and over
<b>PRODUCER CHARACTERISTICS - Con.</b>						
Producers by days of work off farm: - Con.						
Any - Con.						
150 to 199 days .....	22	1	-	6	14	1
200 days or more .....	56	1	10	12	12	21
Producers of Hispanic, Latino, or Spanish origin (see text) .....	10	-	-	2	3	5
Producers by race <sup>1</sup> :						
American Indian or Alaska Native (see text) .....	-	-	-	-	-	-
Asian <sup>2</sup> (see text) .....	85	1	7	24	39	14
Asian Indian (see text) .....	-	-	-	-	-	-
Chinese .....	13	1	2	5	4	1
Filipino .....	52	-	5	11	27	9
Japanese .....	2	-	-	-	-	2
Korean (see text) .....	3	-	-	-	1	2
Vietnamese (see text) .....	-	-	-	-	-	-
Other Asian (see text) .....	15	-	-	8	7	-
Black or African American (see text) .....	-	-	-	-	-	-
Native Hawaiian or Other Pacific						
Islander <sup>2</sup> (see text) .....	237	14	27	47	73	76
Native Hawaiian (see text) .....	-	-	-	-	-	-
Carolinian (see text) .....	20	2	6	3	4	5
Chamorro .....	215	12	21	44	67	71
Samoan (see text) .....	-	-	-	-	-	-
Other Pacific Islander (see text) .....	12	-	3	4	3	2
White .....	1	1	-	-	-	-
Producers by sex:						
Male .....	259	14	24	58	86	77
Female .....	57	2	10	11	23	11
<b>NUMBER OF TOTAL PRODUCERS (SEE TEXT)</b>						
Total producers .....	573	30	74	145	178	146
Farms by number of producers						
1 producer .....	144	5	10	28	60	41
2 producers .....	134	10	18	31	35	40
3 producers .....	12	-	-	-	8	4
4 producers .....	16	-	4	4	6	2
5 or more producers .....	10	1	2	6	-	1
Total male producers <sup>3</sup> (see text) .....						
Total male producers <sup>3</sup> (see text) .....	429	28	61	102	132	106
Farms by number of male producers						
1 producer .....	210	5	19	45	76	65
2 producers .....	62	9	9	13	19	12
3 producers .....	13	-	4	3	2	4
4 producers .....	6	-	-	3	3	-
5 or more producers .....	6	1	2	2	-	1
Total female producers <sup>3</sup> (see text) .....						
Total female producers <sup>3</sup> (see text) .....	144	2	13	43	46	40
Farms by number of female producers						
1 producer .....	104	2	13	23	32	34
2 producers .....	11	-	-	4	4	3
3 producers .....	4	-	-	2	2	-
4 producers .....	-	-	-	-	-	-
5 or more producers .....	1	-	-	1	-	-
<b>COMPUTER USE</b>						
Computers used for the farm business .....	48	1	17	8	14	8
No computers used for the farm business .....	268	15	17	61	95	80
Internet access .....						
Internet access .....	227	10	28	46	81	62
Dial-up service .....	-	-	-	-	-	-
Broadband (DSL, cable, fiber optic) (see text) .....	146	9	23	26	47	41
Cellular data plan (see text) .....	118	2	11	27	51	27
Satellite service .....	-	-	-	-	-	-
Other .....	-	-	-	-	-	-
Don't know (see text) .....	-	-	-	-	-	-
No internet access .....	88	6	6	23	27	26
<b>LABOR STATUS</b>						
Farms .....	316	16	34	69	109	88
workers						
Unpaid labor .....	906	35	101	187	422	161
farms						
Unpaid labor .....	269	14	26	60	93	76
workers						
Less than 25 days .....	538	(D)	(D)	145	169	130
farms						
Less than 25 days .....	18	-	4	6	4	4
workers						
25 to 149 days .....	46	-	14	18	10	4
farms						
25 to 149 days .....	74	8	2	20	19	25
workers						
150 days or more .....	123	(D)	(D)	39	30	40
farms						
150 days or more .....	214	9	24	44	77	60
workers						
150 days or more .....	369	15	51	88	129	86
workers						
Paid labor .....	81	2	11	17	32	19
farms						
Paid labor .....	368	(D)	(D)	42	253	31
workers						
Less than 25 days .....	10	-	2	2	5	1
farms						
Less than 25 days .....	14	-	(D)	(D)	7	(D)
workers						
25 to 149 days .....	17	-	2	4	7	4
farms						
25 to 149 days .....	46	-	(D)	20	11	(D)
workers						
150 days or more .....	60	2	9	11	24	14
farms						
150 days or more .....	308	(D)	26	(D)	235	(D)
workers						

See footnote(s) at end of table.

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**Table 31. Summary by Age of Producer: 2023 (continued)**

[Totals may not add due to rounding. For enumeration periods, see appendix A. For meaning of abbreviations and symbols, see introductory text.]

Item	Total	Under 35 years	35 to 44 years	45 to 54 years	55 to 64 years	65 years and over
<b>SELECTED MACHINERY AND EQUIPMENT</b>						
Tractors (all kinds) .....farms	51	4	7	11	9	20
.....number	68	4	9	12	14	29
Motortrucks .....farms	20	1	-	2	8	9
.....number	21	(D)	-	(D)	(D)	9
Automobiles .....farms	279	14	32	54	101	78
.....number	368	19	51	67	129	102
Tillers (all kinds) .....farms	73	2	8	19	20	24
.....number	118	(D)	(D)	28	37	28
<b>MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD</b>						
Total sales .....farms	316	16	34	69	109	88
.....dollars	2,759,096	90,835	438,510	725,188	1,075,193	429,370
Average per farm .....dollars	8,731	5,677	12,897	10,510	9,864	4,879
Farms by value of sales:						
Less than \$1,200 .....farms	135	11	12	32	46	34
.....dollars	40,016	(D)	500	(D)	(D)	18,871
\$1,200 to \$2,499 .....farms	56	2	7	11	22	14
.....dollars	93,683	(D)	12,900	17,880	37,445	(D)
\$2,500 to \$4,999 .....farms	52	-	4	10	16	22
.....dollars	181,179	-	15,360	33,598	50,295	81,926
\$5,000 to \$7,499 .....farms	11	1	-	2	4	4
.....dollars	63,888	(D)	-	(D)	24,888	23,000
\$7,500 to \$9,999 .....farms	6	-	-	-	4	2
.....dollars	48,965	-	-	-	(D)	(D)
\$10,000 or more .....farms	56	2	11	14	17	12
.....dollars	2,331,365	(D)	409,750	656,250	915,890	(D)
<b>SALES BY COMMODITY GROUP OR PRODUCT</b>						
Root crops .....farms	73	-	6	16	21	30
.....dollars	413,715	-	9,300	210,550	160,240	33,625
Vegetables and melons .....farms	98	1	10	23	34	30
.....dollars	1,260,410	(D)	192,200	(D)	567,095	76,550
Fruits and nuts .....farms	121	1	11	21	46	42
.....dollars	343,875	(D)	134,900	(D)	103,308	70,767
Nursery crops and hemp (including ornamental plants) (see text) .....farms	19	-	-	1	8	10
.....dollars	114,690	-	-	(D)	(D)	62,300
Livestock and livestock products .....farms	110	5	12	27	36	30
.....dollars	459,565	(D)	79,260	(D)	161,030	124,400
Poultry and poultry products .....farms	26	2	3	7	11	3
.....dollars	20,248	(D)	4,000	5,693	(D)	2,625
Fish and other aquaculture products .....farms	-	-	-	-	-	-
.....dollars	-	-	-	-	-	-
Value of processed or value-added agricultural products (see text) .....farms	46	1	8	5	14	18
.....dollars	146,593	(D)	18,850	(D)	24,700	59,103
<b>SELECTED FARM PRODUCTION EXPENSES</b>						
Machine hire and customwork .....farms	73	-	10	14	21	28
.....dollars	121,882	-	28,012	20,450	37,710	35,710
Hired farm labor .....farms	83	2	12	17	32	20
.....dollars	1,105,820	(D)	177,620	182,950	579,826	(D)
Feed purchased for livestock, poultry, and fish .....farms	104	11	14	24	31	24
.....dollars	150,068	9,904	16,600	37,984	48,374	37,206
Insecticides, fungicides, and herbicides .....farms	69	-	6	12	24	27
.....dollars	52,406	-	3,360	11,800	20,800	16,446
Fertilizers and manure purchased .....farms	135	-	15	24	44	52
.....dollars	193,255	-	18,180	78,100	68,175	28,800
Livestock, poultry, and fish purchased .....farms	42	2	6	7	14	13
.....dollars	40,619	(D)	18,400	7,600	7,300	(D)
Seed costs (including seedlings) .....farms	93	1	10	21	28	33
.....dollars	74,547	(D)	(D)	13,795	31,582	19,970
Gasoline, fuels and oils purchased .....farms	256	10	27	59	90	70
.....dollars	432,129	13,950	78,000	99,705	138,944	101,530
Water .....farms	219	7	27	43	68	74
.....dollars	313,811	23,000	57,532	52,400	79,319	101,560
Transportation costs (excluding fuel expenses) .....farms	127	10	17	21	43	36
.....dollars	184,205	7,400	30,130	32,944	67,649	46,082
Reparis, supplies, and maintenance costs (see text) .....farms	134	5	16	36	44	33
.....dollars	266,824	6,000	34,000	59,120	81,039	86,665
<b>ROOT CROPS HARVESTED FOR SALE</b>						
Cassava (tapioca) .....farms	46	-	5	8	12	21
.....acres	12	-	1	3	4	5
.....pounds	18,786	-	1,200	610	5,766	11,210
Gado .....farms	5	-	-	1	2	2
.....acres	1	-	-	(D)	(D)	(D)
.....pounds	1,175	-	-	(D)	(D)	(D)
Ginger .....farms	13	-	2	5	4	2
.....acres	4	-	(D)	1	(D)	(D)
.....pounds	2,638	-	(D)	(D)	1,450	(D)
Sweet potatoes .....farms	35	-	6	13	10	6
.....acres	35	-	1	14	17	3
.....pounds	184,868	-	2,493	130,415	49,910	2,050

See footnote(s) at end of table.

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**Table 31. Summary by Age of Producer: 2023 (continued)**

[Totals may not add due to rounding. For enumeration periods, see appendix A. For meaning of abbreviations and symbols, see introductory text.]

Item	Total	Under 35 years	35 to 44 years	45 to 54 years	55 to 64 years	65 years and over
<b>ROOT CROPS HARVESTED FOR SALE - Con.</b>						
Taro .....farms	39	-	5	8	9	17
acres	20	-	1	3	9	7
pounds	65,405	-	2,215	20,325	38,310	4,555
Yams .....farms	43	-	2	9	19	13
acres	20	-	(D)	4	13	(D)
pounds	41,964	-	(D)	18,145	16,859	(D)
Other root crops .....farms	3	-	-	1	-	2
acres	1	-	-	(D)	-	(D)
pounds	(D)	-	-	(D)	-	(D)
<b>VEGETABLES AND MELONS HARVESTED FOR SALE</b>						
Alfalfa and/or bean sprouts (see text) .....farms	2	1	1	-	-	-
acres	(D)	(D)	(D)	-	-	-
pounds	(D)	(D)	(D)	-	-	-
Beans, winged .....farms	10	-	1	1	6	2
acres	3	-	(D)	(D)	2	(D)
pounds	968	-	(D)	(D)	488	(D)
Beans, yard long .....farms	30	-	5	9	8	8
acres	9	-	3	3	3	1
pounds	29,207	-	2,826	14,447	5,784	6,150
Beans, all other .....farms	6	-	-	-	5	1
acres	4	-	-	-	(D)	(D)
pounds	46,596	-	-	-	(D)	(D)
Bittermelons .....farms	32	-	4	13	6	9
acres	9	-	2	3	2	1
pounds	36,315	-	(D)	19,642	8,237	(D)
Cabbage, Chinese .....farms	14	-	2	4	3	5
acres	8	-	(D)	(D)	2	2
pounds	28,440	-	(D)	14,000	(D)	2,440
Cantaloupes .....farms	-	-	-	-	-	-
acres	-	-	-	-	-	-
pounds	-	-	-	-	-	-
Corn (sweet) <sup>4</sup> .....farms	16	1	2	7	-	6
acres	5	(D)	(D)	3	-	(D)
pounds	16,440	(D)	(D)	10,580	-	3,400
Cucumbers .....farms	43	1	5	11	15	11
acres	16	(D)	3	4	6	(D)
pounds	115,692	(D)	19,206	48,270	37,900	(D)
Eggplant .....farms	62	1	7	18	16	20
acres	13	(D)	(D)	6	3	3
pounds	63,332	(D)	15,430	21,890	13,472	(D)
Herbs (see text) .....farms	7	-	2	2	2	1
acres	5	-	(D)	(D)	(D)	(D)
pounds	2,520	-	(D)	(D)	(D)	(D)
Muskmelons .....farms	-	-	-	-	-	-
acres	-	-	-	-	-	-
pounds	-	-	-	-	-	-
Okra .....farms	51	1	6	12	19	13
acres	17	(D)	(D)	5	10	2
pounds	30,186	(D)	(D)	12,262	9,064	5,140
Onions, green .....farms	32	-	7	6	7	12
acres	9	-	3	2	2	1
pounds	29,270	-	(D)	9,620	4,825	(D)
Peppers, hot .....farms	60	1	10	8	24	17
acres	26	(D)	(D)	3	17	3
pounds	32,025	(D)	(D)	5,410	17,215	6,260
Peppers, sweet .....farms	8	-	2	2	2	2
acres	4	-	(D)	(D)	(D)	(D)
pounds	2,480	-	(D)	-	(D)	(D)
Pumpkins and squash .....farms	49	1	7	12	14	15
acres	14	(D)	4	4	4	(D)
pounds	40,505	(D)	7,200	14,780	11,875	(D)
Radishes .....farms	11	-	1	2	5	3
acres	7	-	(D)	(D)	3	(D)
pounds	19,847	-	(D)	(D)	7,347	2,500
Tomatoes .....farms	54	-	9	14	18	13
acres	22	-	4	5	11	2
pounds	58,699	-	5,850	26,613	22,141	4,095
Watermelons .....farms	18	-	2	7	5	4
acres	20	-	(D)	15	3	(D)
pounds	103,885	-	(D)	45,500	(D)	2,148
Other vegetables and melons .....farms	5	-	-	3	-	2
acres	2	-	-	(D)	-	(D)
pounds	525	-	-	(D)	-	(D)
<b>FRUITS AND NUTS HARVESTED FOR SALE</b>						
Avocados .....farms	47	1	4	15	15	12
trees not of bearing age	308	(D)	52	201	38	(D)
trees of bearing age	775	-	16	523	180	56
pounds	12,892	-	600	1,900	4,462	5,930
Bananas (all types) .....farms	107	3	11	19	38	36
trees not of bearing age	2,521	(D)	800	460	(D)	971
trees of bearing age	7,787	210	576	1,020	3,342	2,639
pounds	40,852	1,100	3,500	10,780	10,460	15,012
Betelnuts .....farms	70	1	11	16	25	17
trees not of bearing age	7,081	(D)	2,548	1,750	(D)	2,500
trees of bearing age	9,125	-	1,768	3,122	2,613	1,622
pounds	52,868	-	(D)	(D)	8,720	7,538
Breadfruits .....farms	38	-	4	12	15	7
trees not of bearing age	39	-	-	(D)	23	(D)
trees of bearing age	180	-	12	39	101	28
pounds	7,455	-	1,400	1,730	2,725	1,600

See footnote(s) at end of table.

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**Table 31. Summary by Age of Producer: 2023 (continued)**

[Totals may not add due to rounding. For enumeration periods, see appendix A. For meaning of abbreviations and symbols, see introductory text.]

Item	Total	Under 35 years	35 to 44 years	45 to 54 years	55 to 64 years	65 years and over
<b>FRUITS AND NUTS HARVESTED FOR SALE - Con.</b>						
Coconuts .....farms	46	3	7	14	13	9
trees not of bearing age	565	-	(D)	138	(D)	296
trees of bearing age	1,173	26	147	481	199	320
pounds	20,920	(D)	(D)	8,050	3,670	7,700
Dragon fruit (see text) .....farms	34	3	5	4	12	10
trees not of bearing age	81	(D)	-	(D)	(D)	(D)
trees of bearing age	2,403	90	1,004	6	781	522
pounds	13,396	(D)	1,640	60	(D)	3,970
Grapefruit .....farms	6	-	2	-	4	-
trees not of bearing age	(D)	-	-	-	(D)	-
trees of bearing age	13	-	(D)	-	(D)	-
pounds	900	-	(D)	-	(D)	-
Guavas .....farms	40	1	6	10	12	11
trees not of bearing age	110	-	-	(D)	(D)	66
trees of bearing age	346	(D)	(D)	32	187	108
pounds	5,636	(D)	820	(D)	3,705	870
Lemons and limes .....farms	91	3	8	21	34	25
trees not of bearing age	239	-	-	144	(D)	(D)
trees of bearing age	2,122	9	276	244	1,364	229
pounds	26,255	(D)	(D)	4,100	16,825	3,840
Mangoes .....farms	60	1	7	15	18	19
trees not of bearing age	61	-	-	9	10	42
trees of bearing age	503	(D)	(D)	268	59	128
pounds	11,305	(D)	2,600	(D)	2,480	4,300
Mountain Apples (see text) .....farms	11	-	-	3	4	4
trees not of bearing age	8	-	-	-	5	3
trees of bearing age	10	-	-	5	(D)	(D)
pounds	(D)	-	-	-	-	(D)
Oranges .....farms	16	-	2	3	9	2
trees not of bearing age	18	-	-	-	18	-
trees of bearing age	68	-	(D)	50	(D)	(D)
pounds	1,060	-	(D)	-	(D)	(D)
Papayas .....farms	61	1	6	11	22	21
trees not of bearing age	357	(D)	(D)	51	64	190
trees of bearing age	1,443	(D)	(D)	74	950	351
pounds	25,685	(D)	(D)	875	20,870	3,500
Pineapples .....farms	20	1	2	7	6	4
plants not of bearing age	113	(D)	-	(D)	(D)	90
plants of bearing age	8,895	-	(D)	3,048	(D)	(D)
pounds	28,288	-	(D)	4,120	(D)	(D)
Soursops .....farms	60	-	9	10	22	19
vines not of bearing age	67	-	(D)	25	(D)	31
vines of bearing age	326	-	17	29	140	140
pounds	3,376	-	500	150	1,136	1,590
Starfruits .....farms	24	1	4	10	8	1
trees not of bearing age	(D)	-	-	-	(D)	-
trees of bearing age	39	(D)	8	17	(D)	(D)
pounds	772	(D)	300	352	(D)	-
Sweetsops .....farms	28	-	5	5	8	10
trees not of bearing age	(D)	-	-	(D)	-	-
trees of bearing age	350	-	73	134	119	132
pounds	2,554	-	490	26	870	1,060
Tangerines .....farms	78	1	6	21	25	25
trees not of bearing age	50	(D)	-	18	25	(D)
trees of bearing age	475	(D)	(D)	132	154	147
pounds	10,732	(D)	(D)	2,630	3,290	4,112
Other fruits, nuts, and tree crops .....farms	23	-	4	6	9	4
plants or trees not of bearing age	224	-	-	(D)	10	(D)
plants or trees of bearing age	6,323	-	(D)	28	(D)	49
pounds	12,140	-	(D)	(D)	(D)	300
<b>NURSERY CROPS AND HEMP (INCLUDING ORNAMENTAL PLANTS) (SEE TEXT)</b>						
Bedding/Garden Plants (see text) .....farms	5	-	-	2	-	3
acres in open field	(D)	-	-	(D)	-	(D)
sq. ft. under protection	(D)	-	-	(D)	-	-
Cut flowers/Cut florist greens (see text) .....farms	16	-	-	-	6	10
acres in open field	4	-	-	-	3	1
sq. ft. under protection	5,250	-	-	-	4,750	500
Foliage plants, indoor (see text) .....farms	10	-	-	-	2	8
acres in open field	2	-	-	-	(D)	(D)
sq. ft. under protection	500	-	-	-	(D)	(D)
Other floriculture and bedding (see text) .....farms	1	-	-	-	1	-
acres in open field	(D)	-	-	-	(D)	-
sq. ft. under protection	(D)	-	-	-	(D)	-
Nursery Stock (see text) .....farms	6	-	-	1	-	5
acres in open field	1	-	-	(D)	-	(D)
sq. ft. under protection	(D)	-	-	-	-	(D)
Potted flowering plants (see text) .....farms	19	-	-	1	7	11
acres in open field	4	-	-	(D)	3	(D)
sq. ft. under protection	5,900	-	-	-	-	800
Hemp (see text) .....farms	-	-	-	-	-	-
acres in open field	-	-	-	-	-	-
sq. ft. under protection	-	-	-	-	-	-
<b>LIVESTOCK, POULTRY, AQUACULTURE AND THEIR PRODUCTS</b>						
<b>Inventory</b>						
All cattle and calves .....farms	112	7	13	29	37	26
number	3,536	209	443	637	1,283	964
Cows (see text) .....farms	107	7	12	27	35	26
number	2,730	209	353	532	911	725
Other cattle and calves .....farms	37	-	5	10	12	10
number	806	-	90	105	372	239

See footnote(s) at end of table.

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**Table 31. Summary by Age of Producer: 2023 (continued)**

[Totals may not add due to rounding. For enumeration periods, see appendix A. For meaning of abbreviations and symbols, see introductory text.]

Item	Total	Under 35 years	35 to 44 years	45 to 54 years	55 to 64 years	65 years and over
<b>LIVESTOCK, POULTRY, AQUACULTURE AND THEIR PRODUCTS - Con.</b>						
<b>Inventory - Con.</b>						
Hogs and pigs of all ages .....farms	95	6	13	19	36	21
.....number	2,045	78	484	319	835	329
Goats and kids of all ages .....farms	37	4	10	3	10	10
.....number	675	56	42	22	215	340
Horses, mules, and colts of all ages .....farms	-	-	-	-	-	-
.....number	-	-	-	-	-	-
Other livestock (see text) .....farms	11	-	2	4	2	3
.....number	60	-	(D)	28	(D)	(D)
Chicken hens 4 months old or older .....farms	49	2	10	14	16	7
.....number	1,850	(D)	310	377	613	(D)
Commercial layers .....farms	15	-	-	4	9	2
.....number	538	-	-	70	(D)	(D)
Other chicken hens .....farms	40	2	10	12	10	6
.....number	1,312	(D)	310	307	(D)	(D)
Chickens under 4 months old .....farms	43	2	9	9	16	7
.....number	1,583	(D)	490	436	405	(D)
Roosters and pullets .....farms	53	-	9	12	19	13
.....number	1,567	-	376	308	588	295
Ducks .....farms	29	2	6	6	11	4
.....number	739	(D)	92	206	345	(D)
Pigeons .....farms	11	2	-	3	4	2
.....number	389	(D)	-	57	242	(D)
Other poultry .....farms	2	-	-	-	-	2
.....number	(D)	-	-	-	-	(D)
<b>Sales</b>						
All cattle and calves .....farms	59	4	8	18	14	15
.....number	391	(D)	76	(D)	114	105
Cows (see text) .....farms	48	4	6	16	8	14
.....number	324	(D)	(D)	(D)	95	70
Other cattle and calves .....farms	14	-	2	2	6	4
.....number	67	-	(D)	(D)	19	35
Hogs and pigs of all ages .....farms	59	2	6	10	25	16
.....number	727	(D)	172	(D)	364	118
Goats and kids of all ages .....farms	8	1	2	1	1	3
.....number	55	(D)	(D)	(D)	(D)	(D)
Horses, mules, and colts of all ages .....farms	-	-	-	-	-	-
.....number	-	-	-	-	-	-
Other livestock (see text) .....farms	3	-	-	2	-	1
.....number	511	-	-	(D)	-	(D)
Chicken hens 4 months old or older .....farms	8	-	-	5	3	-
.....number	204	-	-	139	65	-
Commercial layers .....farms	2	-	-	-	2	-
.....number	(D)	-	-	-	(D)	-
Other chicken hens .....farms	6	-	-	5	1	-
.....number	(D)	-	-	139	(D)	-
Chickens under 4 months old .....farms	7	2	1	2	2	-
.....number	195	(D)	(D)	(D)	(D)	-
Roosters and pullets .....farms	13	-	1	3	7	2
.....number	240	-	(D)	(D)	100	(D)
Ducks .....farms	9	-	2	1	5	1
.....number	303	-	(D)	(D)	133	(D)
Pigeons .....farms	4	-	-	2	1	1
.....number	(D)	-	-	(D)	(D)	(D)
Chicken eggs .....farms	3	-	-	2	-	1
.....dozens	(D)	-	-	(D)	-	(D)
Other poultry and poultry products (excluding chicken eggs) .....farms	1	-	-	-	-	1
.....number	(D)	-	-	-	-	(D)
Fish and other aquaculture products .....farms	1	-	-	1	-	-
.....pounds	-	-	-	-	-	-

<sup>1</sup> Producers may report more than one race.

<sup>2</sup> Asian and Native Hawaiian or Other Pacific Islander will represent respondents that checked any one of the subcategories listed below.

<sup>3</sup> Multiple producers per farm may be reported.

<sup>4</sup> Includes dry and green corn.

**Table 32. Summary by Size of Farm: 2023**

[Totals may not add due to rounding. For enumeration periods, see appendix A. For meaning of abbreviations and symbols, see introductory text.]

Item	Total	Less than 1 acre	1 to 1.9 acres	2 to 3.9 acres	4 to 7.9 acres	8 to 9.9 acres	10 to 19.9 acres	20 to 39.9 acres	40 to 49.9 acres	50 acres or more
<b>FARMS AND LAND IN FARMS</b>										
Farms .....number	316	76	50	80	48	6	15	26	2	13
Percent of farms .....	100.0	24.1	15.8	25.3	15.2	1.9	4.7	8.2	0.6	4.1
Land in farms .....acres	2,833	(D)	53	178	252	51	195	702	(D)	1,289
Percent of distribution .....	100.0	(D)	1.9	6.3	8.9	1.8	6.9	24.8	(D)	45.5
Average size of farm .....acres	9.0	(D)	1.1	2.2	5.3	8.5	13.0	27.0	(D)	99.2
<b>LAND USE</b>										
Total cropland .....farms	241	61	44	71	32	5	12	12	-	4
.....acres	555	(D)	37	112	124	20	116	117	-	(D)
Harvested .....farms	231	59	42	69	30	5	12	10	-	4
.....acres	498	13	34	109	111	(D)	(D)	93	-	(D)
Other .....farms	29	4	6	4	5	2	2	4	-	2
.....acres	57	(D)	3	3	13	(D)	(D)	24	-	(D)
Pasture or grazing land .....farms	104	14	10	12	18	4	7	24	2	13
.....acres	2,025	(D)	7	20	77	(D)	(D)	561	(D)	1,199
Woodland .....farms	25	3	4	11	3	1	1	1	-	1
.....acres	70	(D)	1	12	6	(D)	(D)	(D)	-	(D)
Other land .....farms	110	27	19	29	20	5	6	3	-	1
.....acres	184	6	9	33	45	9	(D)	(D)	-	(D)
<b>IRRIGATION</b>										
Land irrigated .....farms	157	49	29	41	21	4	5	6	-	2
.....acres	207	9	20	59	59	13	35	(D)	-	(D)
Private system .....farms	15	3	1	5	4	-	-	2	-	-
.....acres	11	(D)	(D)	4	5	-	-	(D)	-	-
Public system .....farms	147	46	28	36	20	4	5	6	-	2
.....acres	196	(D)	(D)	55	54	13	35	(D)	-	(D)
<b>FARMS BY MAJOR SOURCE OF IRRIGATION WATER</b>										
Well or cistern .....	3	-	-	2	1	-	-	-	-	-
River or stream .....	2	-	2	-	-	-	-	-	-	-
Lake or private pond .....	-	-	-	-	-	-	-	-	-	-
Canal or irrigation district .....	-	-	-	-	-	-	-	-	-	-
Public utility .....	143	46	24	36	20	4	5	6	-	2
Other .....	9	3	5	1	-	-	-	-	-	-
<b>TENURE OF OPERATIONS</b>										
Operation .....farms	316	76	50	80	48	6	15	26	2	13
.....acres	2,833	(D)	53	178	252	51	195	702	(D)	1,289
Owners .....farms	233	63	38	60	37	6	11	9	-	9
.....acres	(D)	21	(D)	130	192	51	143	220	-	937
Full owners .....farms	231	62	37	60	37	6	11	9	-	9
.....acres	1,733	(D)	(D)	130	192	51	143	220	-	937
Part owners .....farms	2	1	1	-	-	-	-	-	-	-
.....acres	(D)	(D)	(D)	-	-	-	-	-	-	-
Tenants .....farms	83	13	12	20	11	4	4	17	2	4
.....acres	(D)	(D)	(D)	47	60	-	52	482	(D)	352
<b>FARMS BY SIZE</b>										
Farms .....number	316	76	50	80	48	6	15	26	2	13
Less than 1 acre .....	76	76	-	-	-	-	-	-	-	-
1 to 1.9 acres .....	50	-	50	-	-	-	-	-	-	-
2 to 3.9 acres .....	80	-	-	80	-	-	-	-	-	-
4 to 7.9 acres .....	48	-	-	-	48	-	-	-	-	-
8 to 9.9 acres .....	6	-	-	-	-	6	-	-	-	-
10 to 19.9 acres .....	15	-	-	-	-	-	15	-	-	-
20 to 39.9 acres .....	26	-	-	-	-	-	-	26	-	-
40 to 49.9 acres .....	2	-	-	-	-	-	-	-	2	-
50 acres or more .....	13	-	-	-	-	-	-	-	-	13
<b>PRODUCER CHARACTERISTICS</b>										
Producers by place of residence:										
On farm operated .....	131	53	24	28	18	2	1	3	-	2
Not on farm operated .....	185	23	26	52	30	4	14	23	2	11
Producers by years on present farm:										
2 years or less .....	33	8	8	9	4	2	2	-	-	-
3 to 4 years .....	27	11	6	5	-	-	-	2	2	1
5 to 9 years .....	69	18	5	21	9	1	5	7	-	3
10 years or more .....	187	39	31	45	35	3	8	17	-	9
Producers by age group:										
Under 35 years .....	16	7	1	4	1	-	-	1	-	2
35 to 44 years .....	34	4	8	12	2	-	2	4	-	2
45 to 54 years .....	69	14	9	19	11	2	4	8	-	2
55 to 64 years .....	109	31	16	29	15	2	5	6	-	5
65 years and over .....	88	20	16	16	19	2	4	7	2	2
Average age .....	57	57	57	55	61	(D)	58	56	(D)	52
Producers by main occupation:										
Agricultural .....	158	35	28	33	27	2	9	16	2	6
Nonagricultural .....	158	41	22	47	21	4	6	10	-	7
Producers by days of work off farm:										
None .....	64	10	8	17	16	1	3	3	2	4
Any .....	252	66	42	63	32	5	12	23	-	9
1 to 49 days .....	54	4	12	7	14	-	4	12	-	1
50 to 99 days .....	73	11	14	24	5	2	3	10	-	4
100 to 149 days .....	47	24	6	6	6	2	2	-	-	1
150 to 199 days .....	22	12	1	8	1	-	-	-	-	-
200 days or more .....	56	15	9	18	6	1	3	1	-	3

See footnote(s) at end of table.

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**Table 32. Summary by Size of Farm: 2023 (continued)**

[Totals may not add due to rounding. For enumeration periods, see appendix A. For meaning of abbreviations and symbols, see introductory text.]

Item	Total	Less than 1 acre	1 to 1.9 acres	2 to 3.9 acres	4 to 7.9 acres	8 to 9.9 acres	10 to 19.9 acres	20 to 39.9 acres	40 to 49.9 acres	50 acres or more
<b>PRODUCER CHARACTERISTICS - Con.</b>										
Producers of Hispanic, Latino, or Spanish origin (see text) .....	10	3	4	2	-	-	1	-	-	-
Producers by race <sup>1</sup> :										
American Indian or Alaska Native (see text) .....	-	-	-	-	-	-	-	-	-	-
Asian <sup>2</sup> (see text) .....	85	26	11	21	14	1	4	7	-	1
Asian Indian (see text) .....	-	-	-	-	-	-	-	-	-	-
Chinese .....	13	1	2	5	3	-	2	-	-	-
Filipino .....	52	19	5	13	8	1	2	4	-	-
Japanese .....	2	-	-	2	-	-	-	-	-	-
Korean (see text) .....	3	3	-	-	-	-	-	-	-	-
Vietnamese (see text) .....	-	-	-	-	-	-	-	-	-	-
Other Asian (see text) .....	15	3	4	1	3	-	-	3	-	1
Black or African American (see text) .....	-	-	-	-	-	-	-	-	-	-
Native Hawaiian or Other Pacific Islander <sup>2</sup> (see text) .....										
Native Hawaiian (see text) .....	237	50	40	61	35	5	11	21	2	12
Carolinian (see text) .....	20	6	7	3	4	-	-	-	-	-
Chamorro .....	215	42	35	56	32	5	11	20	2	12
Samoan (see text) .....	-	-	-	-	-	-	-	-	-	-
Other Pacific Islander (see text) .....	12	3	-	4	2	-	-	3	-	-
White .....	1	-	-	-	1	-	-	-	-	-
Producers by sex:										
Male .....	259	62	42	60	39	5	12	24	2	13
Female .....	57	14	8	20	9	1	3	2	-	-
<b>NUMBER OF TOTAL PRODUCERS (SEE TEXT)</b>										
Total producers .....	573	146	69	144	83	13	31	67	4	16
Farms by number of producers										
1 producer .....	144	34	33	31	23	1	5	7	-	10
2 producers .....	134	34	15	39	20	4	7	10	2	3
3 producers .....	12	1	2	5	2	-	-	2	-	-
4 producers .....	16	3	-	5	1	1	3	3	-	-
5 or more producers .....	10	4	-	-	2	-	-	4	-	-
Total male producers <sup>3</sup> (see text) .....										
Total male producers <sup>3</sup> (see text) .....	429	109	52	105	66	7	21	50	4	15
Farms by number of male producers										
1 producer .....	210	46	40	56	34	3	11	9	-	11
2 producers .....	62	17	6	13	8	2	2	10	2	2
3 producers .....	13	1	-	5	2	-	2	3	-	-
4 producers .....	6	4	-	2	-	-	-	-	-	-
5 or more producers .....	6	2	-	-	2	-	-	2	-	-
Total female producers <sup>3</sup> (see text) .....										
Total female producers <sup>3</sup> (see text) .....	144	37	17	39	17	6	10	17	-	1
Farms by number of female producers										
1 producer .....	104	23	15	33	15	4	8	5	-	1
2 producers .....	11	4	1	3	1	1	1	-	-	-
3 producers .....	4	-	-	-	-	-	-	4	-	-
4 producers .....	-	-	-	-	-	-	-	-	-	-
5 or more producers .....	1	1	-	-	-	-	-	-	-	-
<b>COMPUTER USE</b>										
Computers used for the farm business .....	48	-	7	9	10	2	6	6	-	8
No computers used for the farm business .....	268	76	43	71	38	4	9	20	2	5
Internet access .....										
Internet access .....	227	42	41	58	37	6	12	18	2	11
Dial-up service .....	-	-	-	-	-	-	-	-	-	-
Broadband (DSL, cable, fiber optic) (see text) .....	146	32	26	34	20	5	7	10	2	10
Cellular data plan (see text) .....	118	13	25	37	24	1	8	9	-	1
Satellite service .....	-	-	-	-	-	-	-	-	-	-
Other .....	-	-	-	-	-	-	-	-	-	-
Don't know (see text) .....	-	-	-	-	-	-	-	-	-	-
No internet access .....	88	34	9	21	11	-	3	8	-	2
<b>LABOR STATUS</b>										
Farms .....	316	76	50	80	48	6	15	26	2	13
Unpaid labor .....										
Unpaid labor .....	906	161	102	168	287	(D)	38	103	(D)	27
Less than 25 days .....	269	73	45	65	39	5	7	24	2	9
25 to 149 days .....	538	150	71	131	61	(D)	11	81	(D)	18
150 days or more .....	18	7	1	4	2	-	-	2	-	2
Paid labor .....	46	25	(D)	10	(D)	-	-	(D)	-	(D)
Less than 25 days .....	74	20	6	23	12	-	3	7	1	2
25 to 149 days .....	123	29	(D)	46	(D)	-	5	(D)	(D)	(D)
150 days or more .....	214	54	40	47	33	5	5	20	2	8
Paid labor .....	369	96	63	75	45	(D)	6	60	(D)	(D)
Paid labor .....										
Paid labor .....	81	8	12	23	13	4	10	6	-	5
Less than 25 days .....	368	11	31	37	226	5	27	22	-	9
25 to 149 days .....	10	2	3	4	1	-	-	-	-	-
150 days or more .....	14	(D)	5	(D)	(D)	-	-	-	-	-
Paid labor .....	17	2	3	1	2	2	2	3	-	2
Less than 25 days .....	46	(D)	10	(D)	(D)	(D)	(D)	18	-	(D)
25 to 149 days .....	60	5	6	18	11	2	10	3	-	5
150 days or more .....	308	5	16	30	(D)	(D)	(D)	4	-	(D)
<b>SELECTED MACHINERY AND EQUIPMENT</b>										
Tractors (all kinds) .....	51	2	5	8	12	1	4	9	2	8
Motortrucks .....	68	(D)	5	11	18	(D)	6	11	(D)	12
Automobiles .....	20	-	-	4	5	1	3	4	-	3
Tractors (all kinds) .....	21	-	-	4	5	(D)	(D)	4	-	4
Motortrucks .....	279	70	47	67	45	6	11	21	2	10
Automobiles .....	368	78	59	82	65	(D)	22	34	(D)	15

See footnote(s) at end of table.

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**Table 32. Summary by Size of Farm: 2023 (continued)**

[Totals may not add due to rounding. For enumeration periods, see appendix A. For meaning of abbreviations and symbols, see introductory text.]

Item	Total	Less than 1 acre	1 to 1.9 acres	2 to 3.9 acres	4 to 7.9 acres	8 to 9.9 acres	10 to 19.9 acres	20 to 39.9 acres	40 to 49.9 acres	50 acres or more
<b>SELECTED MACHINERY AND EQUIPMENT - Con.</b>										
Tillers (all kinds) ..... farms	73	5	14	19	16	2	8	5	-	4
number	118	24	20	23	23	(D)	10	9	-	(D)
<b>MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD</b>										
Total sales ..... farms	316	76	50	80	48	6	15	26	2	13
dollars	2,759,096	161,125	187,617	487,761	994,418	(D)	444,325	251,130	(D)	165,050
Average per farm ..... dollars	8,731	2,120	3,752	6,097	20,717	(D)	29,622	9,659	(D)	12,696
Farms by value of sales:										
Less than \$1,200 ..... farms	135	39	22	36	24	3	7	3	-	1
dollars	40,016	(D)	6,815	6,003	6,993	(D)	(D)	(D)	-	-
\$1,200 to \$2,499 ..... farms	56	20	6	18	3	1	-	7	-	1
dollars	93,683	31,610	10,350	32,848	(D)	(D)	-	11,400	-	(D)
\$2,500 to \$4,999 ..... farms	52	12	12	11	6	-	1	7	1	2
dollars	181,179	43,460	43,279	36,110	18,950	-	(D)	24,200	(D)	(D)
\$5,000 to \$7,499 ..... farms	11	3	2	5	-	-	-	-	-	1
dollars	63,888	18,000	(D)	27,800	-	-	-	-	-	(D)
\$7,500 to \$9,999 ..... farms	6	-	2	-	1	-	-	-	1	1
dollars	48,965	-	(D)	-	(D)	-	-	(D)	(D)	(D)
\$10,000 or more ..... farms	56	2	6	10	14	2	7	8	-	7
dollars	2,331,365	(D)	98,000	385,000	956,400	(D)	437,720	205,500	-	142,000
<b>SALES BY COMMODITY GROUP OR PRODUCT</b>										
Root crops ..... farms	73	14	15	16	15	3	7	3	-	-
dollars	413,715	5,520	16,818	14,055	158,550	1,950	106,822	110,000	-	-
Vegetables and melons ..... farms	98	20	26	21	17	2	7	3	-	2
dollars	1,260,410	22,055	82,545	272,872	577,318	(D)	254,600	12,700	-	(D)
Fruits and nuts ..... farms	121	37	19	35	18	2	7	1	-	2
dollars	343,875	27,820	51,766	70,861	107,550	(D)	60,378	(D)	-	(D)
Nursery crops and hemp (including ornamental plants) (see text) ..... farms	19	10	3	5	-	1	-	-	-	-
dollars	114,690	44,600	(D)	53,500	-	(D)	-	-	-	-
Livestock and livestock products ..... farms	110	27	11	14	17	2	4	21	2	12
dollars	459,565	50,245	12,270	26,650	(D)	(D)	(D)	117,000	(D)	129,850
Poultry and poultry products ..... farms	26	11	4	5	-	1	1	3	-	1
dollars	20,248	8,925	(D)	4,220	-	(D)	(D)	(D)	-	(D)
Fish and other aquaculture products ..... farms	-	-	-	-	-	-	-	-	-	-
dollars	-	-	-	-	-	-	-	-	-	-
Value of processed or value-added agricultural products (see text) ..... farms	46	5	9	9	4	3	5	6	-	5
dollars	146,593	1,960	7,530	45,603	(D)	(D)	18,500	7,200	-	15,100
<b>SELECTED FARM PRODUCTION EXPENSES</b>										
Machine hire and customwork ..... farms	73	9	17	9	8	3	7	12	2	6
dollars	121,882	28,100	16,022	16,500	11,710	(D)	3,300	11,600	(D)	15,000
Hired farm labor ..... farms	83	8	12	24	13	4	10	6	1	5
dollars	1,105,820	40,900	59,430	272,400	414,650	(D)	276,346	19,500	(D)	12,000
Feed purchased for livestock, poultry, and fish ..... farms	104	38	16	17	11	1	7	8	-	6
dollars	150,068	52,636	13,744	39,320	14,580	(D)	(D)	17,300	-	6,764
Insecticides, fungicides, and herbicides ..... farms	69	18	13	11	12	1	4	5	-	5
dollars	52,406	6,294	6,202	9,320	19,150	(D)	(D)	5,600	-	3,400
Fertilizers and manure purchased ..... farms	135	32	28	38	19	2	8	6	-	2
dollars	193,255	10,934	13,814	37,390	55,062	(D)	39,395	35,700	-	(D)
Livestock, poultry, and fish purchased ..... farms	42	18	8	4	2	1	1	5	-	3
dollars	40,619	10,650	2,380	3,600	(D)	(D)	(D)	6,014	-	16,600
Seed costs (including seedlings) ..... farms	93	22	21	19	16	1	7	5	-	2
dollars	74,547	10,642	11,735	10,740	18,430	(D)	19,000	2,700	-	(D)
Gasoline, fuels and oils purchased ..... farms	256	52	40	66	40	6	14	24	2	12
dollars	432,129	38,099	55,148	77,490	63,160	(D)	44,272	93,000	(D)	40,800
Water ..... farms	219	60	34	53	34	6	11	13	1	7
dollars	313,811	47,541	27,462	70,060	94,328	11,360	18,260	21,700	(D)	(D)
Transportation costs (excluding fuel expenses) ..... farms	127	28	15	37	19	1	7	12	1	7
dollars	184,205	23,832	(D)	35,442	34,140	(D)	42,499	25,900	(D)	13,400
Reparis, supplies, and maintenance costs (see text) ..... farms	134	14	24	34	22	3	11	14	2	10
dollars	266,824	21,155	31,820	56,565	48,170	(D)	23,414	25,800	(D)	48,800
<b>ROOT CROPS HARVESTED FOR SALE</b>										
Cassava (tapioca) ..... farms	46	8	10	9	9	2	4	2	-	2
acres	12	1	1	2	3	(D)	2	(D)	-	(D)
pounds	18,786	2,500	1,510	3,886	6,910	(D)	3,000	(D)	-	(D)
Gado ..... farms	5	1	3	1	-	-	-	-	-	-
acres	1	(D)	(D)	(D)	-	-	-	-	-	-
pounds	1,175	(D)	(D)	(D)	-	-	-	-	-	-
Ginger ..... farms	13	2	4	2	2	-	-	3	-	-
acres	4	(D)	(Z)	(D)	(D)	-	-	3	-	-
pounds	2,638	(D)	111	(D)	(D)	-	-	(D)	-	-
Sweet potatoes ..... farms	35	4	9	5	6	2	4	5	-	-
acres	35	(D)	2	2	5	(D)	4	21	-	-
pounds	184,868	(D)	13,005	3,990	101,543	(D)	40,000	25,010	-	-
Taro ..... farms	39	4	10	5	11	2	4	3	-	-
acres	20	(D)	1	3	6	(D)	6	3	-	-
pounds	65,405	(D)	1,035	5,800	21,800	(D)	31,000	(D)	-	-
Yams ..... farms	43	8	11	6	9	2	5	2	-	-
acres	20	(D)	3	2	4	(D)	9	(D)	-	-
pounds	41,964	3,200	(D)	1,200	22,650	(D)	13,329	(D)	-	-
Other root crops ..... farms	3	1	2	-	-	-	-	-	-	-
acres	1	(D)	(D)	-	-	-	-	-	-	-
pounds	(D)	(D)	(D)	-	-	-	-	-	-	-

See footnote(s) at end of table.

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**Table 32. Summary by Size of Farm: 2023 (continued)**

[Totals may not add due to rounding. For enumeration periods, see appendix A. For meaning of abbreviations and symbols, see introductory text.]

Item	Total	Less than 1 acre	1 to 1.9 acres	2 to 3.9 acres	4 to 7.9 acres	8 to 9.9 acres	10 to 19.9 acres	20 to 39.9 acres	40 to 49.9 acres	50 acres or more
<b>VEGETABLES AND MELONS HARVESTED FOR SALE</b>										
Alfalfa and/or bean sprouts (see text) ..... farms	2	-	1	-	1	-	-	-	-	-
acres	(D)	-	(D)	-	(D)	-	-	-	-	-
pounds	(D)	-	(D)	-	(D)	-	-	-	-	-
Beans, winged ..... farms	10	-	1	7	1	-	1	-	-	-
acres	3	-	(D)	2	(D)	-	(D)	-	-	-
pounds	968	-	(D)	820	(D)	-	(D)	-	-	-
Beans, yard long ..... farms	30	4	8	7	5	1	3	-	-	2
acres	9	(D)	1	1	2	(D)	3	-	-	(D)
pounds	29,207	406	3,501	6,900	7,716	(D)	10,499	-	-	(D)
Beans, all other ..... farms	6	1	-	1	3	-	1	-	-	-
acres	4	(D)	-	(D)	3	-	(D)	-	-	-
pounds	46,596	(D)	-	(D)	45,812	-	(D)	-	-	-
Bittermelons ..... farms	32	4	5	7	9	-	5	-	-	2
acres	9	(D)	1	1	2	-	3	-	-	(D)
pounds	36,315	(D)	(D)	5,920	11,706	-	12,427	-	-	(D)
Cabbage, Chinese ..... farms	14	-	-	3	4	-	4	1	-	2
acres	8	-	-	(D)	2	-	2	(D)	-	(D)
pounds	28,440	-	-	4,800	11,040	-	10,400	-	-	(D)
Cantaloupes ..... farms	-	-	-	-	-	-	-	-	-	-
acres	-	-	-	-	-	-	-	-	-	-
pounds	-	-	-	-	-	-	-	-	-	-
Corn (sweet) <sup>4</sup> ..... farms	16	-	4	6	4	-	2	-	-	-
acres	5	-	(D)	1	1	-	(D)	-	-	-
pounds	16,440	-	(D)	1,560	3,460	-	(D)	-	-	-
Cucumbers ..... farms	43	6	9	13	8	-	5	-	-	2
acres	16	(D)	2	4	2	-	5	-	-	(D)
pounds	115,692	(D)	8,946	11,340	39,306	-	53,500	-	-	(D)
Eggplant ..... farms	62	13	14	15	13	1	6	-	-	-
acres	13	(D)	2	3	4	(D)	3	-	-	-
pounds	63,332	(D)	6,650	12,150	27,845	(D)	13,000	-	-	-
Herbs (see text) ..... farms	7	1	-	1	1	-	2	-	-	2
acres	5	(D)	-	(D)	(D)	-	(D)	-	-	(D)
pounds	2,520	(D)	-	(D)	(D)	-	(D)	-	-	(D)
Muskmelons ..... farms	-	-	-	-	-	-	-	-	-	-
acres	-	-	-	-	-	-	-	-	-	-
pounds	-	-	-	-	-	-	-	-	-	-
Okra ..... farms	51	4	14	14	9	2	7	1	-	-
acres	17	(D)	3	3	2	(D)	7	(D)	-	-
pounds	30,186	(D)	7,122	4,860	4,865	(D)	12,251	-	-	-
Onions, green ..... farms	32	5	7	7	6	1	4	-	-	2
acres	9	(D)	1	1	2	(D)	2	-	-	(D)
pounds	29,270	385	1,220	5,000	16,200	(D)	6,200	-	-	(D)
Peppers, hot ..... farms	60	12	15	14	9	2	7	1	-	-
acres	26	1	2	4	3	(D)	13	(D)	-	-
pounds	32,025	996	6,290	4,050	4,110	(D)	12,979	-	-	-
Peppers, sweet ..... farms	8	2	-	2	2	-	-	-	-	2
acres	4	(D)	-	(D)	(D)	-	-	-	-	(D)
pounds	2,480	(D)	-	-	(D)	-	-	-	-	(D)
Pumpkins and squash ..... farms	49	12	11	10	7	-	5	2	-	2
acres	14	1	2	2	2	-	3	(D)	-	(D)
pounds	40,505	4,325	10,200	4,260	4,600	-	16,300	-	-	(D)
Radishes ..... farms	11	-	4	1	3	-	3	-	-	-
acres	7	-	2	(D)	(D)	-	3	-	-	-
pounds	19,847	-	5,600	(D)	(D)	-	10,747	-	-	-
Tomatoes ..... farms	54	9	14	14	8	-	7	-	-	2
acres	22	(D)	3	4	3	-	9	-	-	(D)
pounds	58,699	(D)	3,373	6,500	14,425	-	30,851	-	-	(D)
Watermelons ..... farms	18	-	7	1	5	-	1	2	-	2
acres	20	-	2	(D)	3	-	(D)	(D)	-	(D)
pounds	103,885	-	6,648	(D)	24,000	-	(D)	(D)	-	(D)
Other vegetables and melons ..... farms	5	-	2	3	-	-	-	-	-	-
acres	2	-	(D)	(D)	-	-	-	-	-	-
pounds	525	-	(D)	(D)	-	-	-	-	-	-
<b>FRUITS AND NUTS HARVESTED FOR SALE</b>										
Avocados ..... farms	47	15	8	7	7	1	4	3	-	2
trees not of bearing age	308	53	(D)	102	(D)	(D)	(D)	-	-	(D)
trees of bearing age	775	85	453	33	94	-	(D)	13	-	(D)
pounds	12,892	2,800	1,000	720	4,380	-	(D)	400	-	(D)
Bananas (all types) ..... farms	107	34	15	31	11	2	5	5	-	4
trees not of bearing age	2,521	370	445	486	-	-	(D)	(D)	-	(D)
trees of bearing age	7,787	1,067	1,497	1,348	1,410	(D)	690	(D)	-	500
pounds	40,852	6,650	12,560	11,682	2,500	(D)	2,260	(D)	-	3,000
Betelnuts ..... farms	70	23	11	23	8	2	1	-	-	2
trees not of bearing age	7,081	765	(D)	5,988	-	(D)	-	-	-	-
trees of bearing age	9,125	1,042	(D)	4,228	3,170	(D)	(D)	-	-	(D)
pounds	52,868	7,510	(D)	7,813	35,550	(D)	(D)	-	-	(D)
Breadfruits ..... farms	38	7	10	11	4	1	-	3	-	2
trees not of bearing age	39	23	(D)	(D)	-	-	-	-	-	-
trees of bearing age	180	12	31	32	35	(D)	-	(D)	-	(D)
pounds	7,455	1,800	905	1,930	(D)	(D)	-	(D)	-	(D)
Coconuts ..... farms	46	9	8	13	4	1	4	3	-	4
trees not of bearing age	565	117	162	44	(D)	-	(D)	-	-	(D)
trees of bearing age	1,173	232	182	163	310	(D)	(D)	(D)	-	200
pounds	20,920	5,800	1,050	5,750	(D)	(D)	(D)	(D)	-	4,200
Dragon fruit (see text) ..... farms	34	10	8	7	3	2	1	1	-	2
trees not of bearing age	81	17	(D)	(D)	(D)	-	-	-	-	-
trees of bearing age	2,403	143	1,363	175	(D)	(D)	(D)	(D)	-	(D)
pounds	13,396	2,590	2,290	211	(D)	(D)	(D)	(D)	-	(D)
Grapefruit ..... farms	6	1	3	2	-	-	-	-	-	-
trees not of bearing age	(D)	(D)	-	-	-	-	-	-	-	-
trees of bearing age	13	-	(D)	(D)	-	-	-	-	-	-
pounds	900	-	(D)	(D)	-	-	-	-	-	-
Guavas ..... farms	40	8	9	10	3	2	3	3	-	2
trees not of bearing age	110	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
trees of bearing age	346	35	23	99	(D)	(D)	146	(D)	-	(D)
pounds	5,636	380	671	920	(D)	(D)	(D)	(D)	-	(D)

See footnote(s) at end of table.

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**Table 32. Summary by Size of Farm: 2023 (continued)**

[Totals may not add due to rounding. For enumeration periods, see appendix A. For meaning of abbreviations and symbols, see introductory text.]

Item	Total	Less than 1 acre	1 to 1.9 acres	2 to 3.9 acres	4 to 7.9 acres	8 to 9.9 acres	10 to 19.9 acres	20 to 39.9 acres	40 to 49.9 acres	50 acres or more
<b>FRUITS AND NUTS HARVESTED FOR SALE - Con.</b>										
Lemons and limes ..... farms	91	16	16	30	13	-	7	5	-	4
trees not of bearing age	239	(D)	(D)	114	(D)	-	(D)	(D)	-	-
trees of bearing age	2,122	65	841	542	230	-	364	50	-	30
pounds	26,255	1,760	4,835	10,000	4,010	-	3,950	(D)	-	(D)
Mangoes ..... farms	60	22	12	10	6	2	1	3	-	4
trees not of bearing age	61	(D)	7	9	-	(D)	(D)	-	-	(D)
trees of bearing age	503	86	85	60	231	(D)	(D)	14	-	(D)
pounds	11,305	5,150	1,580	875	1,400	(D)	-	300	-	(D)
Mountain Apples (see text) ..... farms	11	4	2	3	1	1	-	-	-	-
trees not of bearing age	8	(D)	(D)	(D)	-	-	-	-	-	-
trees of bearing age	10	5	-	(D)	(D)	(D)	-	-	-	-
pounds	(D)	-	-	(D)	-	-	-	-	-	-
Oranges ..... farms	16	2	4	6	2	1	-	1	-	-
trees not of bearing age	18	-	-	(D)	-	(D)	-	-	-	-
trees of bearing age	68	(D)	12	(D)	(D)	-	-	(D)	-	-
pounds	1,060	-	800	(D)	-	-	-	(D)	-	-
Papayas ..... farms	61	23	9	12	4	2	5	2	-	4
trees not of bearing age	357	61	29	67	-	-	(D)	-	-	(D)
trees of bearing age	1,443	253	56	142	46	(D)	900	(D)	-	(D)
pounds	25,685	2,610	645	6,340	650	(D)	15,030	(D)	-	160
Pineapples ..... farms	20	-	3	7	4	-	1	3	-	2
plants not of bearing age	113	-	20	(D)	(D)	-	-	(D)	-	-
plants of bearing age	8,895	-	-	(D)	(D)	-	(D)	62	-	(D)
pounds	28,288	-	-	2,048	(D)	-	(D)	340	-	(D)
Soursops ..... farms	60	18	7	19	5	1	3	3	-	4
vines not of bearing age	67	30	6	(D)	(D)	-	(D)	-	-	-
vines of bearing age	326	82	16	118	75	(D)	(D)	(D)	-	12
pounds	3,376	560	150	1,075	770	(D)	(D)	(D)	-	200
Starfruits ..... farms	24	7	6	6	-	-	-	3	-	2
trees not of bearing age	(D)	(D)	-	(D)	-	-	-	-	-	-
trees of bearing age	39	9	10	9	-	-	-	(D)	-	(D)
pounds	772	380	220	(D)	-	-	-	52	-	(D)
Sweetsops ..... farms	28	3	2	11	3	1	1	3	-	4
trees not of bearing age	(D)	-	-	(D)	-	-	-	-	-	-
trees of bearing age	350	14	(D)	134	(D)	(D)	(D)	18	-	42
pounds	2,554	215	(D)	1,305	300	(D)	2	5	-	140
Tangerines ..... farms	78	23	12	21	10	1	2	5	-	4
trees not of bearing age	50	-	(D)	22	(D)	-	(D)	(D)	-	-
trees of bearing age	475	139	32	179	73	(D)	-	(D)	-	26
pounds	10,732	3,215	635	2,922	3,020	(D)	-	(D)	-	200
Other fruits, nuts, and tree crops ..... farms	23	6	2	8	2	2	-	3	-	-
plants or trees not of bearing age	224	(D)	(D)	-	-	-	-	(D)	-	-
plants or trees of bearing age	6,323	52	(D)	6,179	(D)	(D)	-	20	-	-
pounds	12,140	1,300	(D)	(D)	-	(D)	-	(D)	-	-
<b>NURSERY CROPS AND HEMP (INCLUDING ORNAMENTAL PLANTS) (SEE TEXT)</b>										
Bedding/Garden Plants (see text) ..... farms	5	-	1	2	-	-	-	2	-	-
acres in open field	(D)	-	(D)	(D)	-	-	-	(D)	-	-
sq. ft. under protection	(D)	-	-	-	-	-	-	-	-	-
Cut flowers/Cut florist greens (see text) ..... farms	16	8	2	4	1	1	-	-	-	-
acres in open field	4	1	(D)	2	(D)	(D)	-	-	-	-
sq. ft. under protection	5,250	1,150	(D)	(D)	-	-	-	-	-	-
Foliage plants, indoor (see text) ..... farms	10	5	2	2	-	1	-	-	-	-
acres in open field	2	(Z)	(D)	(D)	-	(D)	-	-	-	-
sq. ft. under protection	500	(D)	(D)	-	-	-	-	-	-	-
Other floriculture and bedding (see text) ..... farms	1	-	-	1	-	-	-	-	-	-
acres in open field	(D)	-	-	(D)	-	-	-	-	-	-
sq. ft. under protection	(D)	-	-	(D)	-	-	-	-	-	-
Nursery Stock (see text) ..... farms	6	2	1	2	1	-	-	-	-	-
acres in open field	1	(D)	(D)	(D)	(D)	-	-	-	-	-
sq. ft. under protection	(D)	-	(D)	-	-	-	-	-	-	-
Potted flowering plants (see text) ..... farms	19	10	3	4	1	1	-	-	-	-
acres in open field	4	1	(D)	2	(D)	(D)	-	-	-	-
sq. ft. under protection	5,900	1,700	(D)	(D)	-	-	-	-	-	-
Hemp (see text) ..... farms	-	-	-	-	-	-	-	-	-	-
acres in open field	-	-	-	-	-	-	-	-	-	-
sq. ft. under protection	-	-	-	-	-	-	-	-	-	-
<b>LIVESTOCK, POULTRY, AQUACULTURE AND THEIR PRODUCTS</b>										
<b>Inventory</b>										
All cattle and calves ..... farms	112	14	8	21	21	4	5	24	2	13
number	3,536	39	59	95	617	(D)	137	1,155	(D)	1,219
Cows (see text) ..... farms	107	13	7	21	21	2	5	23	2	13
number	2,730	31	(D)	(D)	520	(D)	(D)	847	(D)	845
Other cattle and calves ..... farms	37	3	1	1	4	2	2	16	-	8
number	806	8	(D)	(D)	97	(D)	(D)	308	-	374
Hogs and pigs of all ages ..... farms	95	35	9	18	12	2	5	9	-	5
number	2,045	767	(D)	481	231	(D)	92	112	-	268
Goats and kids of all ages ..... farms	37	10	9	10	2	1	1	-	-	4
number	675	154	52	192	(D)	(D)	(D)	-	-	256
Horses, mules, and colts of all ages ..... farms	-	-	-	-	-	-	-	-	-	-
number	-	-	-	-	-	-	-	-	-	-
Other livestock (see text) ..... farms	11	5	2	-	1	-	-	1	-	2
number	60	37	(D)	-	(D)	-	-	(D)	-	(D)
Chicken hens 4 months old or older ..... farms	49	11	7	10	4	1	6	4	-	6
number	1,850	340	285	346	310	(D)	111	(D)	-	298
Commercial layers ..... farms	15	4	2	4	1	1	-	1	-	2
number	538	100	(D)	165	(D)	(D)	-	(D)	-	(D)
Other chicken hens ..... farms	40	10	5	8	3	-	6	4	-	4
number	1,312	240	(D)	181	(D)	-	111	105	-	(D)
Chickens under 4 months old ..... farms	43	18	7	6	3	-	3	2	-	4
number	1,583	583	140	330	110	-	(D)	(D)	-	300
Roosters and pullets ..... farms	53	17	7	9	3	1	6	6	-	4
number	1,567	662	171	333	(D)	(D)	75	118	-	74

See footnote(s) at end of table.

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**Table 32. Summary by Size of Farm: 2023 (continued)**

[Totals may not add due to rounding. For enumeration periods, see appendix A. For meaning of abbreviations and symbols, see introductory text.]

Item	Total	Less than 1 acre	1 to 1.9 acres	2 to 3.9 acres	4 to 7.9 acres	8 to 9.9 acres	10 to 19.9 acres	20 to 39.9 acres	40 to 49.9 acres	50 acres or more
<b>LIVESTOCK, POULTRY, AQUACULTURE AND THEIR PRODUCTS - Con.</b>										
<b>Inventory - Con.</b>										
Ducks .....farms	29	18	5	2	-	1	2	1	-	-
.....number	739	441	113	(D)	-	(D)	(D)	(D)	-	-
Pigeons .....farms	11	7	-	-	1	-	-	3	-	-
.....number	389	(D)	-	-	(D)	-	-	210	-	-
Other poultry .....farms	2	1	-	-	1	-	-	-	-	-
.....number	(D)	(D)	-	-	(D)	-	-	-	-	-
<b>Sales</b>										
All cattle and calves .....farms	59	4	4	8	8	-	2	19	2	12
.....number	391	9	6	12	46	-	(D)	157	(D)	141
Cows (see text) .....farms	48	3	4	8	7	-	1	13	2	10
.....number	324	(D)	6	12	(D)	-	(D)	141	(D)	105
Other cattle and calves .....farms	14	2	-	-	1	-	1	6	-	4
.....number	67	(D)	-	-	(D)	-	(D)	16	-	36
Hogs and pigs of all ages .....farms	59	23	3	12	9	2	2	5	-	3
.....number	727	228	32	116	169	(D)	(D)	46	-	121
Goats and kids of all ages .....farms	8	4	3	-	1	-	-	-	-	-
.....number	55	46	(D)	-	(D)	-	-	-	-	-
Horses, mules, and colts of all ages .....farms	-	-	-	-	-	-	-	-	-	-
.....number	-	-	-	-	-	-	-	-	-	-
Other livestock (see text) .....farms	3	1	2	-	-	-	-	-	-	-
.....number	511	(D)	(D)	-	-	-	-	-	-	-
Chicken hens 4 months old or older .....farms	8	1	3	2	-	-	-	1	-	1
.....number	204	(D)	119	(D)	-	-	-	(D)	-	(D)
Commercial layers .....farms	2	-	-	-	-	-	-	1	-	1
.....number	(D)	-	-	-	-	-	-	(D)	-	(D)
Other chicken hens .....farms	6	1	3	2	-	-	-	-	-	-
.....number	(D)	(D)	119	(D)	-	-	-	-	-	-
Chickens under 4 months old .....farms	7	1	1	5	-	-	-	-	-	-
.....number	195	(D)	(D)	145	-	-	-	-	-	-
Roosters and pullets .....farms	13	5	1	3	-	-	1	3	-	-
.....number	240	87	(D)	115	-	-	(D)	(D)	-	-
Ducks .....farms	9	5	2	-	-	1	-	1	-	-
.....number	303	190	(D)	-	-	(D)	-	(D)	-	-
Pigeons .....farms	4	1	-	2	-	-	-	1	-	-
.....number	(D)	(D)	-	(D)	-	-	-	(D)	-	-
Chicken eggs .....farms	3	1	2	-	-	-	-	-	-	-
.....dozens	(D)	(D)	(D)	-	-	-	-	-	-	-
Other poultry and poultry products (excluding chicken eggs) .....farms	1	1	-	-	-	-	-	-	-	-
.....number	(D)	(D)	-	-	-	-	-	-	-	-
Fish and other aquaculture products .....farms	1	-	1	-	-	-	-	-	-	-
.....pounds	-	-	-	-	-	-	-	-	-	-

<sup>1</sup> Producers may report more than one race.  
<sup>2</sup> Asian and Native Hawaiian or Other Pacific Islander will represent respondents that checked any one of the subcategories listed below.  
<sup>3</sup> Multiple producers per farm may be reported.  
<sup>4</sup> Includes dry and green corn.

**Table 33. Summary by Market Value of Agricultural Products Sold: 2023**

[Totals may not add due to rounding. For enumeration periods, see appendix A. For meaning of abbreviations and symbols, see introductory text.]

Item	Total	Less than \$1,200	\$1,200 to \$2,499	\$2,500 to \$4,999	\$5,000 to \$7,499	\$7,500 to \$9,999	\$10,000 or more
<b>FARMS AND LAND IN FARMS</b>							
Farms ..... number	316	135	56	52	11	6	56
Percent of farms .....	100.0	42.7	17.7	16.5	3.5	1.9	17.7
Land in farms ..... acres	2,833	482	335	482	88	322	1,125
Percent of distribution .....	100.0	17.0	11.8	17.0	3.1	11.4	39.7
Average size of farm ..... acres	9.0	3.6	6.0	9.3	8.0	53.7	20.1
<b>LAND USE</b>							
Total cropland ..... farms	241	100	40	41	9	4	47
Harvested ..... farms	555	158	45	(D)	(D)	(D)	275
Other ..... farms	231	92	39	40	9	4	47
Pasture or grazing land ..... farms	498	128	(D)	51	(D)	(D)	251
Woodland ..... farms	29	14	1	4	-	-	10
Other land ..... farms	57	30	(D)	(D)	-	-	24
Land irrigated ..... farms	104	46	17	15	3	3	20
Private system ..... farms	2,025	229	269	356	(D)	(D)	819
Public system ..... farms	25	12	5	1	1	2	4
Other land ..... farms	70	17	6	(D)	(D)	(D)	(D)
Land irrigated ..... acres	110	54	16	19	3	2	16
Private system ..... acres	184	78	14	63	3	(D)	(D)
Public system ..... acres							
<b>IRRIGATION</b>							
Land irrigated ..... farms	157	61	30	29	6	1	30
Private system ..... farms	207	57	34	29	4	(D)	(D)
Public system ..... farms	15	7	4	3	-	-	1
Other ..... farms	11	4	1	(D)	-	-	(D)
Land irrigated ..... acres	147	55	28	28	6	1	29
Private system ..... acres	196	53	32	(D)	4	(D)	(D)
Public system ..... acres							
<b>FARMS BY MAJOR SOURCE OF IRRIGATION WATER</b>							
Well or cistern .....	3	3	-	-	-	-	-
River or stream .....	2	2	-	-	-	-	-
Lake or private pond .....	-	-	-	-	-	-	-
Canal or irrigation district .....	-	-	-	-	-	-	-
Public utility .....	143	53	26	28	6	1	29
Other .....	9	4	2	1	-	1	1
<b>TENURE OF OPERATIONS</b>							
Operation ..... farms	316	135	56	52	11	6	56
Owners ..... farms	2,833	482	335	482	88	322	1,125
Full owners ..... farms	233	105	40	41	10	5	32
Part owners ..... farms	(D)	(D)	(D)	297	(D)	(D)	704
Tenants ..... farms	231	104	39	41	10	5	32
Operation ..... acres	1,733	319	(D)	297	(D)	(D)	704
Owners ..... acres	2	1	1	-	-	-	-
Full owners ..... acres	(D)	(D)	(D)	-	-	-	-
Part owners ..... acres	83	30	16	11	1	1	24
Tenants ..... acres	(D)	(D)	(D)	185	(D)	(D)	420
<b>FARMS BY SIZE</b>							
Farms ..... number	316	135	56	52	11	6	56
Less than 1 acre .....	76	39	20	12	3	-	2
1 to 1.9 acres .....	50	22	6	12	2	2	6
2 to 3.9 acres .....	80	36	18	11	5	-	10
4 to 7.9 acres .....	48	24	3	6	-	1	14
8 to 9.9 acres .....	6	3	1	-	-	-	2
10 to 19.9 acres .....	15	7	-	1	-	-	7
20 to 39.9 acres .....	26	3	7	7	-	1	8
40 to 49.9 acres .....	2	-	-	1	-	1	-
50 acres or more .....	13	1	1	2	1	1	7
<b>PRODUCER CHARACTERISTICS</b>							
Producers by place of residence:							
On farm operated .....	131	64	24	20	5	2	16
Not on farm operated .....	185	71	32	32	6	4	40
Producers by years on present farm:							
2 years or less .....	33	16	4	3	1	-	9
3 to 4 years .....	27	15	3	4	1	1	3
5 to 9 years .....	69	28	10	11	4	3	13
10 years or more .....	187	76	39	34	5	2	31
Producers by age group:							
Under 35 years .....	16	11	2	-	1	-	2
35 to 44 years .....	34	12	7	4	-	-	11
45 to 54 years .....	69	32	11	10	2	-	14
55 to 64 years .....	109	46	22	16	4	4	17
65 years and over .....	88	34	14	22	4	2	12
Average age .....	57	56	57	60	60	62	55
Producers by main occupation:							
Agricultural .....	158	50	32	31	5	5	35
Nonagricultural .....	158	85	24	21	6	1	21
Producers by days of work off farm:							
None .....	64	15	12	14	1	3	19
Any .....	252	120	44	38	10	3	37
1 to 49 days .....	54	22	10	10	1	2	9
50 to 99 days .....	73	44	9	4	3	-	13
100 to 149 days .....	47	30	5	6	1	1	4
150 to 199 days .....	22	6	6	6	4	-	-
200 days or more .....	56	18	14	12	1	-	11

See footnote(s) at end of table.

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**Table 33. Summary by Market Value of Agricultural Products Sold: 2023 (continued)**

[Totals may not add due to rounding. For enumeration periods, see appendix A. For meaning of abbreviations and symbols, see introductory text.]

Item	Total	Less than \$1,200	\$1,200 to \$2,499	\$2,500 to \$4,999	\$5,000 to \$7,499	\$7,500 to \$9,999	\$10,000 or more
<b>PRODUCER CHARACTERISTICS - Con.</b>							
Producers of Hispanic, Latino, or Spanish origin (see text) .....	10	2	4	3	-	-	1
Producers by race <sup>1</sup> :							
American Indian or Alaska Native (see text) .....	-	-	-	-	-	-	-
Asian <sup>2</sup> (see text) .....	85	27	16	14	3	1	24
Asian Indian (see text) .....	-	-	-	-	-	-	-
Chinese .....	13	2	-	-	1	-	10
Filipino .....	52	18	12	14	2	1	5
Japanese .....	2	-	-	-	-	-	2
Korean (see text) .....	3	3	-	-	-	-	-
Vietnamese (see text) .....	-	-	-	-	-	-	-
Other Asian (see text) .....	15	4	4	-	-	-	7
Black or African American (see text) .....	-	-	-	-	-	-	-
Native Hawaiian or Other Pacific Islander <sup>2</sup> (see text) .....							
Native Hawaiian (see text) .....	237	111	42	38	8	5	33
Carolinian (see text) .....	20	13	2	3	-	-	2
Chamorro .....	215	96	39	36	8	5	31
Samoan (see text) .....	-	-	-	-	-	-	-
Other Pacific Islander (see text) .....	12	7	3	2	-	-	-
White .....	1	-	-	-	-	-	1
Producers by sex:							
Male .....	259	105	46	44	10	5	49
Female .....	57	30	10	8	1	1	7
<b>NUMBER OF TOTAL PRODUCERS (SEE TEXT)</b>							
Total producers .....	573	233	125	84	17	13	101
Farms by number of producers							
1 producer .....	144	60	19	30	7	2	26
2 producers .....	134	63	25	18	2	3	23
3 producers .....	12	6	2	2	2	-	2
4 producers .....	16	5	2	3	-	-	2
5 or more producers .....	10	1	4	1	-	1	3
Total male producers <sup>3</sup> (see text) .....							
Total male producers <sup>3</sup> (see text) .....	429	170	91	65	16	11	76
Farms by number of male producers							
1 producer .....	210	89	35	39	6	2	39
2 producers .....	62	29	10	6	2	2	13
3 producers .....	13	5	2	2	2	-	2
4 producers .....	6	2	2	2	-	-	-
5 or more producers .....	6	-	4	-	-	1	1
Total female producers <sup>3</sup> (see text) .....							
Total female producers <sup>3</sup> (see text) .....	144	63	34	19	1	2	25
Farms by number of female producers							
1 producer .....	104	51	18	15	1	2	17
2 producers .....	11	3	5	2	-	-	1
3 producers .....	4	-	2	-	-	-	2
4 producers .....	-	-	-	-	-	-	-
5 or more producers .....	1	1	-	-	-	-	-
<b>COMPUTER USE</b>							
Computers used for the farm business .....	48	9	7	7	-	2	23
No computers used for the farm business .....	268	126	49	45	11	4	33
Internet access .....							
Internet access .....	227	99	43	35	3	5	42
Dial-up service .....	-	-	-	-	-	-	-
Broadband (DSL, cable, fiber optic) (see text) .....	146	61	26	20	2	5	32
Cellular data plan (see text) .....	118	53	22	19	2	2	20
Satellite service .....	-	-	-	-	-	-	-
Other .....	-	-	-	-	-	-	-
Don't know (see text) .....	-	-	-	-	-	-	-
No internet access .....	88	35	13	17	8	1	14
<b>LABOR STATUS</b>							
Farms .....	316	135	56	52	11	6	56
Unpaid labor .....							
Unpaid labor .....	906	250	172	94	19	16	355
Less than 25 days .....	269	127	50	46	10	5	31
25 to 149 days .....	538	218	144	79	(D)	(D)	70
150 days or more .....	18	3	9	2	-	-	4
Paid labor .....							
Paid labor .....	46	3	33	(D)	-	-	(D)
Less than 25 days .....	74	42	9	14	-	1	8
25 to 149 days .....	123	62	21	(D)	-	(D)	(D)
150 days or more .....	214	99	39	36	10	5	25
Tractors (all kinds) .....	369	153	90	58	(D)	10	(D)
Selected Machinery and Equipment							
Tractors (all kinds) .....	81	16	16	10	1	3	35
Motortrucks .....	368	32	28	15	(D)	(D)	285
Automobiles .....	10	5	3	1	-	1	-
Tractors (all kinds) .....	14	6	(D)	(D)	-	(D)	-
Motortrucks .....	17	6	3	2	-	-	6
Automobiles .....	46	14	(D)	(D)	-	-	19
Tractors (all kinds) .....	60	7	11	8	1	2	31
Motortrucks .....	308	12	14	(D)	(D)	(D)	266
<b>SELECTED MACHINERY AND EQUIPMENT</b>							
Tractors (all kinds) .....	51	5	6	11	1	3	25
Motortrucks .....	68	6	8	16	(D)	(D)	33
Automobiles .....	20	-	4	2	-	2	12
Tractors (all kinds) .....	21	-	4	(D)	-	(D)	12
Motortrucks .....	279	117	55	50	11	5	41
Automobiles .....	368	135	67	70	14	8	74

See footnote(s) at end of table.

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**Table 33. Summary by Market Value of Agricultural Products Sold: 2023 (continued)**

[Totals may not add due to rounding. For enumeration periods, see appendix A. For meaning of abbreviations and symbols, see introductory text.]

Item	Total	Less than \$1,200	\$1,200 to \$2,499	\$2,500 to \$4,999	\$5,000 to \$7,499	\$7,500 to \$9,999	\$10,000 or more
<b>SELECTED MACHINERY AND EQUIPMENT - Con.</b>							
Tillers (all kinds) ..... farms	73	9	13	15	5	1	30
number	118	16	28	25	(D)	(D)	42
<b>MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD</b>							
Total sales ..... farms	316	135	56	52	11	6	56
dollars	2,759,096	40,016	93,683	181,179	63,888	48,965	2,331,365
Average per farm .....dollars	8,731	296	1,673	3,484	5,808	8,161	41,632
<b>Farms by value of sales:</b>							
Less than \$1,200 ..... farms	135	135	-	-	-	-	-
dollars	40,016	40,016	-	-	-	-	-
\$1,200 to \$2,499 ..... farms	56	-	56	-	-	-	-
dollars	93,683	-	93,683	-	-	-	-
\$2,500 to \$4,999 ..... farms	52	-	-	52	-	-	-
dollars	181,179	-	-	181,179	-	-	-
\$5,000 to \$7,499 ..... farms	11	-	-	-	11	-	-
dollars	63,888	-	-	-	63,888	-	-
\$7,500 to \$9,999 ..... farms	6	-	-	-	-	6	-
dollars	48,965	-	-	-	-	48,965	-
\$10,000 or more ..... farms	56	-	-	-	-	-	56
dollars	2,331,365	-	-	-	-	-	2,331,365
<b>SALES BY COMMODITY GROUP OR PRODUCT</b>							
Root crops ..... farms	73	15	13	14	5	1	25
dollars	413,715	(D)	9,965	12,220	(D)	(D)	385,072
Vegetables and melons ..... farms	98	23	15	19	6	2	33
dollars	1,260,410	(D)	14,357	30,230	19,700	(D)	1,190,170
Fruits and nuts ..... farms	121	44	19	25	5	3	25
dollars	343,875	(D)	13,851	39,896	19,000	(D)	249,598
Nursery crops and hemp (including ornamental plants) (see text) ..... farms	19	3	8	3	-	1	4
dollars	114,690	(D)	10,200	7,300	-	(D)	(D)
Livestock and livestock products ..... farms	110	20	30	27	3	5	25
dollars	459,565	10,285	38,550	65,480	14,150	26,000	305,100
Poultry and poultry products ..... farms	26	7	5	9	-	3	2
dollars	20,248	(D)	2,500	8,553	-	(D)	(D)
Fish and other aquaculture products ..... farms	-	-	-	-	-	-	-
dollars	-	-	-	-	-	-	-
Value of processed or value-added agricultural products (see text) ..... farms	46	1	12	10	2	3	18
dollars	146,593	(D)	4,260	17,500	(D)	5,580	111,250
<b>SELECTED FARM PRODUCTION EXPENSES</b>							
Machine hire and customwork ..... farms	73	12	14	23	6	3	15
dollars	121,882	12,810	18,950	35,310	5,600	9,300	39,912
Hired farm labor ..... farms	83	16	16	10	1	4	36
dollars	1,105,820	97,310	95,994	115,700	(D)	(D)	741,716
Feed purchased for livestock, poultry, and fish ..... farms	104	44	24	16	2	3	15
dollars	150,068	45,678	34,830	33,840	(D)	(D)	23,220
Insecticides, fungicides, and herbicides ..... farms	69	11	17	15	-	3	23
dollars	52,406	2,794	5,790	5,872	-	2,350	35,600
Fertilizers and manure purchased ..... farms	135	38	23	25	6	3	40
dollars	193,255	26,218	8,950	16,890	3,840	1,112	136,245
Livestock, poultry, and fish purchased ..... farms	42	15	10	8	1	2	6
dollars	40,619	3,855	3,714	12,100	(D)	(D)	19,300
Seed costs (including seedlings) ..... farms	93	23	16	17	2	2	33
dollars	74,547	6,877	2,990	13,300	(D)	(D)	48,300
Gasoline, fuels and oils purchased ..... farms	256	99	49	42	9	6	51
dollars	432,129	91,605	66,357	64,135	6,900	23,980	179,152
Water ..... farms	219	87	40	44	6	4	38
dollars	313,811	70,644	19,540	72,615	21,100	8,300	121,612
Transportation costs (excluding fuel expenses) ..... farms	127	45	28	21	6	6	21
dollars	184,205	47,950	16,992	32,424	2,600	14,700	69,539
Reparis, supplies, and maintenance costs (see text) ..... farms	134	40	29	17	3	5	40
dollars	266,824	40,150	39,760	27,000	1,500	5,500	152,914
<b>ROOT CROPS HARVESTED FOR SALE</b>							
Cassava (tapioca) ..... farms	46	8	9	8	4	1	16
acres	12	(D)	2	3	(Z)	(D)	6
pounds	18,786	2,720	3,300	3,300	(D)	(D)	9,150
Gado ..... farms	5	1	2	1	-	-	1
acres	1	(D)	(D)	(D)	-	-	(D)
pounds	1,175	(D)	(D)	(D)	-	-	(D)
Ginger ..... farms	13	4	1	1	-	1	6
acres	4	(Z)	(D)	(D)	-	(D)	3
pounds	2,638	201	(D)	(D)	-	(D)	(D)
Sweet potatoes ..... farms	35	6	5	7	1	-	16
acres	35	(D)	1	4	(D)	-	29
pounds	184,868	(D)	1,550	4,840	(D)	-	176,623
Taro ..... farms	39	8	8	8	-	1	14
acres	20	(D)	3	3	-	(D)	12
pounds	65,405	(D)	3,450	3,580	-	(D)	57,175
Yams ..... farms	43	13	4	5	2	1	18
acres	20	3	1	(D)	(D)	(D)	15
pounds	41,964	3,285	510	650	(D)	(D)	36,719
Other root crops ..... farms	3	3	-	-	-	-	-
acres	1	1	-	-	-	-	-
pounds	(D)	(D)	-	-	-	-	-

See footnote(s) at end of table.

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**Table 33. Summary by Market Value of Agricultural Products Sold: 2023 (continued)**

[Totals may not add due to rounding. For enumeration periods, see appendix A. For meaning of abbreviations and symbols, see introductory text.]

Item	Total	Less than \$1,200	\$1,200 to \$2,499	\$2,500 to \$4,999	\$5,000 to \$7,499	\$7,500 to \$9,999	\$10,000 or more
<b>VEGETABLES AND MELONS HARVESTED FOR SALE</b>							
Alfalfa and/or bean sprouts (see text) ..... farms	2	-	-	-	-	-	2
acres	(D)	-	-	-	-	-	(D)
pounds	(D)	-	-	-	-	-	(D)
Beans, winged ..... farms	10	-	4	2	2	-	2
acres	3	-	1	(D)	(D)	-	(D)
pounds	968	-	280	(D)	(D)	-	(D)
Beans, yard long ..... farms	30	4	5	5	-	-	16
acres	9	(Z)	1	1	-	-	7
pounds	29,207	451	1,230	546	-	-	26,980
Beans, all other ..... farms	6	1	-	-	-	-	5
acres	4	(D)	-	-	-	-	(D)
pounds	46,596	(D)	-	-	-	-	(D)
Bittermelons ..... farms	32	2	2	9	2	-	17
acres	9	(D)	(D)	1	(D)	-	8
pounds	36,315	(D)	(D)	2,040	(D)	-	30,723
Cabbage, Chinese ..... farms	14	1	-	-	-	-	13
acres	8	(D)	-	-	-	-	(D)
pounds	28,440	(D)	-	-	-	-	(D)
Cantaloupes ..... farms	-	-	-	-	-	-	-
acres	-	-	-	-	-	-	-
pounds	-	-	-	-	-	-	-
Corn (sweet) <sup>4</sup> ..... farms	16	3	2	2	-	-	9
acres	5	(D)	(D)	(D)	-	-	3
pounds	16,440	(D)	(D)	(D)	-	-	15,020
Cucumbers ..... farms	43	8	5	10	-	-	20
acres	16	3	1	2	-	-	10
pounds	115,692	520	1,800	4,066	-	-	109,306
Eggplant ..... farms	62	15	6	16	2	-	23
acres	13	(D)	(D)	2	(D)	-	7
pounds	63,332	(D)	3,700	2,392	(D)	-	53,550
Herbs (see text) ..... farms	7	1	-	-	-	-	6
acres	5	(D)	-	-	-	-	(D)
pounds	2,520	(D)	-	-	-	-	(D)
Muskmelons ..... farms	-	-	-	-	-	-	-
acres	-	-	-	-	-	-	-
pounds	-	-	-	-	-	-	-
Okra ..... farms	51	10	4	8	2	1	26
acres	17	3	(D)	2	(D)	(D)	12
pounds	30,186	652	1,175	1,140	(D)	(D)	26,979
Onions, green ..... farms	32	2	4	4	1	-	21
acres	9	(D)	(D)	(Z)	-	-	7
pounds	29,270	(D)	600	270	(D)	-	28,265
Peppers, hot ..... farms	60	11	10	9	2	2	26
acres	26	3	2	(D)	(D)	(D)	19
pounds	32,025	1,456	1,830	1,040	(D)	(D)	25,699
Peppers, sweet ..... farms	8	2	2	-	-	-	4
acres	4	(D)	(D)	-	-	-	(D)
pounds	2,480	(D)	(D)	-	-	-	(D)
Pumpkins and squash ..... farms	49	8	8	9	3	-	21
acres	14	1	2	1	(Z)	-	10
pounds	40,505	1,550	2,400	2,035	2,500	-	32,020
Radishes ..... farms	11	-	-	3	-	-	8
acres	7	-	-	1	-	-	6
pounds	19,847	-	-	1,100	-	-	18,747
Tomatoes ..... farms	54	9	8	12	5	-	20
acres	22	3	2	2	1	-	14
pounds	58,699	688	1,700	4,020	2,240	-	50,051
Watermelons ..... farms	18	-	-	6	-	-	12
acres	20	-	-	1	-	-	19
pounds	103,885	-	-	5,148	-	-	98,737
Other vegetables and melons ..... farms	5	2	1	1	-	-	1
acres	2	(D)	(D)	(D)	-	-	(D)
pounds	525	(D)	(D)	(D)	-	-	(D)
<b>FRUITS AND NUTS HARVESTED FOR SALE</b>							
Avocados ..... farms	47	18	2	10	1	2	14
trees not of bearing age	308	97	(D)	124	(D)	(D)	62
trees of bearing age	775	190	(D)	443	-	(D)	(D)
pounds	12,892	2,810	(D)	1,370	-	(D)	8,012
Bananas (all types) ..... farms	107	46	16	16	3	3	23
trees not of bearing age	2,521	285	315	180	(D)	(D)	1,711
trees of bearing age	7,787	2,844	530	738	(D)	(D)	2,930
pounds	40,852	12,740	7,432	6,040	1,100	1,180	12,360
Betelnuts ..... farms	70	32	7	13	3	-	15
trees not of bearing age	7,081	2,281	130	1,504	2,080	-	1,086
trees of bearing age	9,125	2,012	1,939	(D)	(D)	-	3,188
pounds	52,868	5,475	3,108	7,590	(D)	-	(D)
Breadfruits ..... farms	38	15	2	7	2	2	10
trees not of bearing age	39	24	(D)	(D)	-	-	(D)
trees of bearing age	180	65	(D)	18	(D)	(D)	78
pounds	7,455	855	(D)	2,130	(D)	(D)	2,570
Coconuts ..... farms	46	20	5	5	1	3	12
trees not of bearing age	565	144	88	(D)	-	(D)	272
trees of bearing age	1,173	548	30	63	(D)	(D)	421
pounds	20,920	8,250	700	2,150	(D)	(D)	7,720
Dragon fruit (see text) ..... farms	34	13	1	6	3	2	9
trees not of bearing age	81	(D)	(D)	-	(D)	(D)	-
trees of bearing age	2,403	150	(D)	429	130	(D)	1,674
pounds	13,396	2,326	(D)	1,675	(D)	(D)	9,055
Grapefruit ..... farms	6	2	-	1	-	-	3
trees not of bearing age	(D)	(D)	-	(D)	-	-	-
trees of bearing age	13	(D)	-	-	-	-	(D)
pounds	900	-	-	-	-	-	900
Guavas ..... farms	40	10	4	9	3	1	13
trees not of bearing age	110	(D)	-	(D)	-	(D)	76
trees of bearing age	346	37	16	38	51	-	204
pounds	5,636	241	360	400	420	-	4,215

See footnote(s) at end of table.

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**Table 33. Summary by Market Value of Agricultural Products Sold: 2023 (continued)**

[Totals may not add due to rounding. For enumeration periods, see appendix A. For meaning of abbreviations and symbols, see introductory text.]

Item	Total	Less than \$1,200	\$1,200 to \$2,499	\$2,500 to \$4,999	\$5,000 to \$7,499	\$7,500 to \$9,999	\$10,000 or more
<b>FRUITS AND NUTS HARVESTED FOR SALE - Con.</b>							
Lemons and limes ..... farms	91	37	16	14	5	2	17
trees not of bearing age	239	11	60	98	(D)	-	(D)
trees of bearing age	2,122	436	852	144	(D)	(D)	591
pounds	26,255	6,385	5,020	(D)	4,250	(D)	5,870
Mangoes ..... farms	60	23	3	15	1	2	16
trees not of bearing age	61	8	(D)	(D)	-	-	44
trees of bearing age	503	288	(D)	109	(D)	(D)	88
pounds	11,305	3,830	(D)	2,900	(D)	(D)	3,400
Mountain Apples (see text) ..... farms	11	3	2	4	-	1	1
trees not of bearing age	8	(D)	(D)	(D)	-	-	-
trees of bearing age	10	(D)	-	5	-	(D)	(D)
pounds	(D)	-	-	-	-	(D)	-
Oranges ..... farms	16	6	-	3	2	1	4
trees not of bearing age	18	(D)	-	-	(D)	-	(D)
trees of bearing age	68	52	-	9	-	(D)	(D)
pounds	1,060	-	-	610	-	(D)	(D)
Papayas ..... farms	61	25	4	10	3	1	18
trees not of bearing age	357	61	(D)	51	(D)	(D)	215
trees of bearing age	1,443	243	(D)	67	78	(D)	1,011
pounds	25,685	2,475	(D)	650	5,080	(D)	16,940
Pineapples ..... farms	20	5	-	3	3	2	7
plants not of bearing age	113	58	-	-	(D)	(D)	(D)
plants of bearing age	8,895	(D)	-	33	(D)	(D)	(D)
pounds	28,288	(D)	-	48	(D)	(D)	25,990
Soursops ..... farms	60	26	5	10	2	2	15
vines not of bearing age	67	8	30	-	-	-	29
vines of bearing age	326	117	41	87	(D)	(D)	41
pounds	3,376	885	(D)	920	-	(D)	851
Starfruits ..... farms	24	7	2	5	3	1	6
trees not of bearing age	(D)	-	-	(D)	(D)	-	-
trees of bearing age	39	14	(D)	4	(D)	(D)	14
pounds	772	150	(D)	(D)	(D)	(D)	312
Sweetsops ..... farms	28	5	2	5	2	2	12
trees not of bearing age	(D)	-	-	(D)	-	-	-
trees of bearing age	350	42	(D)	78	(D)	(D)	146
pounds	2,554	(D)	(D)	405	(D)	(D)	1,184
Tangerines ..... farms	78	34	12	11	3	2	16
trees not of bearing age	50	(D)	(D)	(D)	5	(D)	3
trees of bearing age	475	217	83	79	(D)	(D)	72
pounds	10,732	4,885	(D)	1,815	(D)	(D)	2,840
Other fruits, nuts, and tree crops ..... farms	23	6	1	8	-	1	7
plants or trees not of bearing age	224	201	-	-	-	-	23
plants or trees of bearing age	6,323	57	(D)	(D)	-	(D)	(D)
pounds	12,140	320	(D)	(D)	-	(D)	(D)
<b>NURSERY CROPS AND HEMP (INCLUDING ORNAMENTAL PLANTS) (SEE TEXT)</b>							
Bedding/Garden Plants (see text) ..... farms	5	-	-	1	-	-	4
acres in open field	(D)	-	-	(D)	-	-	(D)
sq. ft. under protection	(D)	-	-	-	-	-	(D)
Cut flowers/Cut florist greens (see text) ..... farms	16	2	8	2	-	-	4
acres in open field	4	(D)	2	(D)	-	-	(D)
sq. ft. under protection	5,250	(D)	4,450	-	-	-	(D)
Foliage plants, indoor (see text) ..... farms	10	1	5	1	-	-	3
acres in open field	2	-	(D)	(D)	-	-	1
sq. ft. under protection	500	(D)	(D)	-	-	-	-
Other floriculture and bedding (see text) ..... farms	1	-	-	1	-	-	-
acres in open field	(D)	-	-	(D)	-	-	-
sq. ft. under protection	(D)	-	-	(D)	-	-	-
Nursery Stock (see text) ..... farms	6	-	1	3	-	-	2
acres in open field	1	-	(D)	(D)	-	-	(D)
sq. ft. under protection	(D)	-	-	(D)	-	-	-
Potted flowering plants (see text) ..... farms	19	3	8	3	-	1	4
acres in open field	4	(D)	2	(D)	-	(D)	2
sq. ft. under protection	5,900	(D)	5,100	-	-	-	(D)
Hemp (see text) ..... farms	-	-	-	-	-	-	-
acres in open field	-	-	-	-	-	-	-
sq. ft. under protection	-	-	-	-	-	-	-
<b>LIVESTOCK, POULTRY, AQUACULTURE AND THEIR PRODUCTS</b>							
<b>Inventory</b>							
All cattle and calves ..... farms	112	42	23	18	1	4	24
number	3,536	646	(D)	587	(D)	563	1,305
Cows (see text) ..... farms	107	38	23	17	1	4	24
number	2,730	601	(D)	430	(D)	360	966
Other cattle and calves ..... farms	37	9	4	9	-	3	12
number	806	45	62	157	-	203	339
Hogs and pigs of all ages ..... farms	95	37	22	16	3	3	14
number	2,045	533	513	463	28	42	466
Goats and kids of all ages ..... farms	37	16	8	5	1	-	7
number	675	122	190	(D)	(D)	-	274
Horses, mules, and colts of all ages ..... farms	-	-	-	-	-	-	-
number	-	-	-	-	-	-	-
Other livestock (see text) ..... farms	11	-	2	6	-	-	3
number	60	-	(D)	27	-	-	(D)
Chicken hens 4 months old or older ..... farms	49	14	8	9	1	4	13
number	1,850	376	325	315	(D)	(D)	566
Commercial layers ..... farms	15	3	5	1	1	3	2
number	538	150	85	(D)	(D)	(D)	(D)
Other chicken hens ..... farms	40	11	7	8	-	2	12
number	1,312	226	240	(D)	-	(D)	(D)
Chickens under 4 months old ..... farms	43	19	8	8	-	1	7
number	1,583	618	(D)	465	-	(D)	380
Roosters and pullets ..... farms	53	21	10	9	1	2	10
number	1,567	712	166	474	(D)	(D)	114

See footnote(s) at end of table.

--continued

**Table 33. Summary by Market Value of Agricultural Products Sold: 2023 (continued)**

[Totals may not add due to rounding. For enumeration periods, see appendix A. For meaning of abbreviations and symbols, see introductory text.]

Item	Total	Less than \$1,200	\$1,200 to \$2,499	\$2,500 to \$4,999	\$5,000 to \$7,499	\$7,500 to \$9,999	\$10,000 or more
<b>LIVESTOCK, POULTRY, AQUACULTURE AND THEIR PRODUCTS - Con.</b>							
<b>Inventory - Con.</b>							
Ducks ..... farms	29	7	10	6	-	2	4
..... number	739	102	(D)	265	-	(D)	104
Pigeons ..... farms	11	2	4	2	-	2	1
..... number	389	(D)	92	(D)	-	(D)	(D)
Other poultry ..... farms	2	-	-	-	-	1	1
..... number	(D)	-	-	-	-	(D)	(D)
<b>Sales</b>							
All cattle and calves ..... farms	59	13	10	14	1	4	17
..... number	391	(D)	23	57	(D)	35	248
Cows (see text) ..... farms	48	12	6	10	1	2	17
..... number	324	(D)	15	42	(D)	(D)	223
Other cattle and calves ..... farms	14	1	4	4	-	2	3
..... number	67	(D)	8	15	-	(D)	25
Hogs and pigs of all ages ..... farms	59	9	20	13	3	2	12
..... number	727	34	162	212	(D)	(D)	277
Goats and kids of all ages ..... farms	8	2	-	3	1	-	2
..... number	55	(D)	-	11	(D)	-	(D)
Horses, mules, and colts of all ages ..... farms	-	-	-	-	-	-	-
..... number	-	-	-	-	-	-	-
Other livestock (see text) ..... farms	3	-	-	2	-	-	1
..... number	511	-	-	(D)	-	-	(D)
Chicken hens 4 months old or older ..... farms	8	-	1	4	-	3	-
..... number	204	-	(D)	124	-	(D)	-
Commercial layers ..... farms	2	-	-	-	-	2	-
..... number	(D)	-	-	-	-	(D)	-
Other chicken hens ..... farms	6	-	1	4	-	1	-
..... number	(D)	-	(D)	124	-	(D)	-
Chickens under 4 months old ..... farms	7	2	1	3	-	1	-
..... number	195	(D)	(D)	125	-	(D)	-
Roosters and pullets ..... farms	13	5	3	4	-	1	-
..... number	240	62	(D)	118	-	(D)	-
Ducks ..... farms	9	-	1	4	-	2	2
..... number	303	-	(D)	123	-	(D)	(D)
Pigeons ..... farms	4	-	-	2	-	1	1
..... number	(D)	-	-	(D)	-	(D)	(D)
Chicken eggs ..... farms	3	-	-	2	-	-	1
..... dozens	(D)	-	-	(D)	-	-	(D)
Other poultry and poultry products (excluding chicken eggs) ..... farms	1	-	-	-	-	-	1
..... number	(D)	-	-	-	-	-	(D)
Fish and other aquaculture products ..... farms	1	1	-	-	-	-	-
..... pounds	-	-	-	-	-	-	-

<sup>1</sup> Producers may report more than one race.

<sup>2</sup> Asian and Native Hawaiian or Other Pacific Islander will represent respondents that checked any one of the subcategories listed below.

<sup>3</sup> Multiple producers per farm may be reported.

<sup>4</sup> Includes dry and green corn.



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# Appendix A.

## Census of Agriculture Methodology

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### INTRODUCTION

The purpose of the Census of Agriculture is to enumerate all members of a population with a defined characteristic. For the Census of Agriculture of the Commonwealth of the Northern Mariana Islands (CNMI), that goal is to account for “any place from which \$1,000 or more of agricultural products were produced and sold, or normally would have been sold, during the census year.”

As in the previous censuses of the CNMI, a direct enumeration procedure was used in the 2023 Census of Agriculture. Enumeration was based on a list of farm producers compiled by NASS with assistance from the CNMI Department of Commerce, Central Statistics Division.

### THE CENSUS POPULATION

For the 2023 CNMI Census of Agriculture, the National Agricultural Statistics Service (NASS) compiled a complete as possible list of agricultural places that meet the farm definition. This list included agricultural places that meet the farm definition on the 2018 CNMI Census of Agriculture and potential agricultural places provided by the CNMI Department of Commerce and a variety of other agriculture-related lists. The list of potential agricultural places was matched to the 2018 CNMI Census of Agriculture records using record linkage programs to remove duplication between lists. The enumerators contacted all persons or operations on the list and completed a census report form for all farm operations that met the farm definition. If the person on the list was not operating a farm, the enumerator recorded whether the land had been sold or rented to someone else and was still being used for agriculture. If the land was sold or rented out, the enumerator obtained the name of the new producer and contacted that person, to ensure that he/she was included in the census.

### DATA COLLECTION OUTREACH AND PROMOTIONAL EFFORTS

The Public Affairs Office (PAO) developed a communication plan largely based on promotional materials that were shared with local outreach partners, including but not limited to the CNMI Department of

Commerce, the Northern Marianas College and its Cooperative Research Extension, and local USDA agencies. The goal with these promotional materials included:

- Encouraging participation in the Census of Agriculture
- Communicating how the census will provide much needed data that are used by federal and local decision makers
- Explaining that response to the Census of Agriculture is required and that reported information is protected by federal law
- Increasing general awareness and perceived value of NASS, its products, and services

### Partnership and Local-Level Outreach

NASS officials met with leaders from agricultural organizations, the CNMI Department of Commerce, the Northern Marianas College and its Cooperative Research Extension and other USDA agencies to successfully secure their support in promoting the census among their constituencies. Stakeholders partnered with NASS to promote the 2023 CNMI Census of Agriculture through publications (e.g. newsletters), special mailings, speeches, social media, websites, and other communications. Through grassroots-level outreach and efforts, NASS partnered with a number of community-based organizations to reach all farmers. Among the highlights of these partnership efforts was the participation of local government officials on radio public service announcements promoting the importance of the 2023 CNMI Census of Agriculture.

### Public Relations

In the public relations arena, NASS worked with internal and external stakeholders to equip them with communications tools and resources to deliver the census communications message to their audiences. The materials included, but were not limited to: a press release/stakeholder notice, a public service announcement, flyers and posters, and a Frequently Asked Questions (FAQs) document; which were drafted for local media and other stakeholder distribution. These materials were

available both electronically and in hard copy. Other outreach tools included items such as pens and notepads.

## **DATA COLLECTION**

### **Method of Enumeration**

Personal enumeration was used in the 2023 CNMI Census of Agriculture, and in the 2018 CNMI Census of Agriculture, enumeration was based on a list of farm producers compiled by NASS with assistance from the CNMI Department of Commerce, Central Statistics Division. The enumerators contacted all persons or operations on the list and completed a census report form for all farm operations that met the farm definition. If the person on the list was not operating a farm, the enumerator recorded whether the land had been sold or rented to someone else and was still being used for agriculture. If the land was sold or rented out, the enumerator obtained the name of the new producer and contacted that person, to ensure that he/she was included in the census.

### **Report Form**

Prior to each agriculture census, the content of all census report forms is reviewed to eliminate inquiries no longer needed, to identify new items necessary to meet user needs, and to better describe the agricultural situation in the CNMI. Data requests are solicited from farm organizations, land-grant colleges and universities, State and Federal agencies, State Department of Agriculture, agribusinesses, and other users. Each respondent is asked to identify and justify its specific data needs.

A single version of the report form for the 2023 CNMI Census of Agriculture was prepared by NASS, in cooperation with the CNMI Department of Commerce, the Northern Marianas College and its Cooperative Research Extension; and various USDA agencies. Based on their comments, the content of the 2023 census report has been updated to reflect the CNMI's agriculture. Changes on the report form are summarized in Appendix B.

### **Training Program**

The project manager, and enumerators employed for the census in the CNMI received special training in accordance with instructions prepared by NASS. The training included an overview of the census of agriculture program, and a detailed discussion of the enumerator's instructions manual and the census report form.

## **REPORT FORM PROCESSING**

### **Data Capture**

The Census Bureau's National Processing Center (NPC) in Jeffersonville, IN was contracted to print, label, and ship

the questionnaires to the CNMI. Completed questionnaires were then returned to NPC for data capture and scanning.

NASS staff on site at the NPC provided technical guidance and monitored NPC processing activities. All report forms returned to the NPC were immediately checked in, using bar codes printed on the mailing label. With the small survey universe, it was determined that a key from paper application would be most economical. All forms keyed were then scanned and loaded into the Feith file cabinet. The images were available for analytical review of the data as well as for archive purposes.

The keying staff evaluated the contents and captured pertinent responses. An independent quality control process occurs after initial keying where ten percent of the captured data is keyed a second time. If differences existed between the first keyed value and the second, an adjudicator handled resolution. The decision of the adjudicator was used to grade the performance of the keyers, who were required to maintain a certain accuracy level or receive additional training. Procedures, training, and staff remained the same from 2018 to 2023 for all four islands, Guam, the Commonwealth of the Northern Mariana Islands, American Samoa, and the U.S. Virgin Islands. The combined error rate for all four islands was 0.54%. The images and the captured data were transferred to NASS's centralized network and became available to NASS analysts on a flow basis. The images were available for use in all stages of review.

### **Editing Data**

Captured data were processed through a computer formatting program. The program verified that record identifiers were valid and checked the basic integrity of the data fields. Rejected records were referred to analysts for correction. Accepted records were sent to a computer batch edit process. Each execution of the computer batch edit flowed as the data were received from the National Processing Center (NPC).

All census records were passed through a complex computer edit. The edit determined whether a reporting operation met the minimum criteria to be counted as a qualifying farm (in-scope). The edit examined each in-scope record for reasonableness and completeness and determined whether to accept the recorded value for each data item or take corrective action. Actions included removing erroneously reported values, replacing an unreasonable value with one consistent with other reported data. Strategies for determining replacement values are discussed in the next section.

## Imputing Data

The edit systematically checked reported data section-by-section with the overall objective of achieving an internally consistent and complete report. NASS subject-matter experts defined the criteria for acceptable data. Problems that could not be resolved within the edit were referred to an analyst for intervention. Analysts used additional information sources, examined the scanned image, and determined an appropriate action.

## Data Analysis

Once keyed, the data from each report form were available to NASS analysts in Washington, DC, via electronic media, for computer editing and analysis. Data from each report were subjected to a detailed item-by-item computer edit. The edit performed comprehensive checks for consistency and reasonableness, corrected erroneous or inconsistent data; supplied missing data based on similar farms, and assigned farm classification codes necessary for tabulating the data.

Prior to publication, tabulated totals were reviewed by statisticians to identify inconsistencies and potential coverage problems. Comparisons were made with previous census data, as well as other available data. Tallies of all selected data items for various sets of criteria which included, but were not limited to, geographic levels, farm types, and sales levels were reviewed. When necessary, data inconsistencies were resolved.

## DISCLOSURE REVIEW

After tabulation and review of the aggregates, a comprehensive disclosure review was conducted. NASS is obligated to withhold, under Title 7, U.S. Code, any total that would reveal an individual's information or allow it to be closely estimated by the public. Cell suppression will be used to protect the cells that are determined to be sensitive to a disclosure of information. Farm counts are not considered sensitive and are not subject to disclosure. Cell suppression will be used to protect the cells that are determined to be sensitive to a disclosure of information.

Based on agency standards, data cells were determined to be sensitive to a disclosure of information if they failed either of two rules. The threshold rule failed if the data cell contained less than three operations. For example, if only one farmer produced hogs on the island, NASS could not publish the island total for hog inventory without disclosing the individuals' information. The dominance rule failed if the distribution of the data within the cell allowed a data user to estimate any respondent's data too closely. A data disclosure risk is determined to be present if a particular data cell being considered for publication violates either one of two criteria. First, the threshold rule

is violated if the estimated number of farms in a data cell is less than three. For example, if there are many farmers producing hogs on the island and some of them were large enough to dominate the cell total, NASS could not publish the island total for hog inventory without risking disclosing an individual respondent's data. In both of these situations, the data were suppressed and a "(D)" was placed in the cell in the census publication table. These data cells are referred to as primary suppressions.

Since most items were summed to marginal totals, primary suppressions within these summation relationships were protected by ensuring that there were additional suppressions within the linear relationship that provided adequate protection for the primary. A detailed computer routine selected additional data cells for suppression to ensure all primary suppressions are properly protected. These data cells are referred to as complementary suppressions. These cells are not themselves sensitive to a disclosure of information but were suppressed to protect other primary suppressions. A "(D)" was also placed in the cell of the census publication table to indicate a complementary suppression. A data user cannot determine whether a cell with a (D) represents a primary or complementary suppression.

NASS analysts reviewed all complementary suppressions to ensure no cells had been withheld that were vital to the data users. In instances where complimentary suppressions were deemed critically important to the Island, analysts requested an override, and a different complement cell were chosen.

## MEASURED ERRORS IN THE CENSUS PROCESS

Uncertainty is introduced into the data in compiling the list of farm producers, in NASS' data collection procedures, in data editing and processing, and in compiling the final data. Additionally, NASS uses statistical procedures to both measure errors in the various processes and in making adjustments for those errors in the final data.

### Variability in Census Estimates due to Statistical Adjustment

In conducting the 2023 CNMI Census of Agriculture, efforts were initiated to measure error associated with the adjustments for farm operations that were on the list of farm producers but did not respond to the census, report form. This error measurement was developed from the standard error of the estimates at the island level, where appropriate, and were expressed as coefficients of variation (CVs) at the island level. Coefficients of variation are displayed in the Quick Stats database.

Coefficient of variation is a measure of the relative amount

of error associated with a sample estimate. Specifically, it is the standard error of a point estimate divided by that estimate, generally multiplied times 100 so that it can be reported as a percentage. This relative measure allows the reliability of a range of estimates to be compared. For example, the standard error is often larger for large population estimates than for small population estimates, but the large population estimates may have a smaller CV, indicating a more reliable estimate. Every estimate for the 2023 CNMI Census of Agriculture has a corresponding CV published with it. NASS has identified the following index to use when evaluating coefficient of variation for the 2023 CNMI Census of Agriculture.

- **Low Reliability Estimate.** Coefficient of Variation (CV) 30 percent or higher. Caution should be used when using this estimate in any form. Please consult NASS for more information or guidance.
- **Medium Reliability Estimate.** Coefficient of Variation (CV) between 15 percent and 29.9 percent.
- **High Reliability Estimate.** Coefficient of Variation (CV) less than 15 percent.

## NONMEASURED ERRORS IN THE CENSUS PROCESS

As noted in the previous section, sampling errors can be introduced from the nonresponse adjustment procedure. This error is measurable. However, nonsampling errors are imbedded in the census process that cannot be directly measured as part of the design of the census but must be contained to ensure an accurate count. Extensive efforts were made to compile a complete and accurate list of farmers for the census, to design an understandable report form with clear instructions, to train enumerators on how

to ask the questions and record the answers on the report form, and to minimize processing errors through the use of quality control measures. The weight adjustment and tabulation processes recognize the presence of nonsampling errors; however, it is assumed that these errors are small and that, in total, the net effect is zero. In other words, the positive errors cancel the negative errors.

## Respondent and Enumerator Error

Incorrect or incomplete responses to the census report form or to the questions posed by an enumerator can introduce error into the census data. Steps were taken in the design and execution of the census of agriculture to reduce reporting errors. Poor instructions and ambiguous definitions lead to misreporting. Respondents may not remember accurately, may estimate responses, or enumerators may record an item in the wrong cell. To reduce reporting and recording errors, detailed instructions for completing the report form were provided to each enumerator, and questions were phrased as clearly as possible. In addition, each respondent's answers were checked for completeness and consistency by the complex edit and imputation system.

## Item Nonresponse

All item nonresponse actions provide another opportunity to introduce measurement errors. Regardless of whether it was previously reported data, administrative data, the nearest neighbor algorithm, the fully conditional specification method, or manually imputed by an analyst, some risk exists that the imputed value does not equal the actual value.



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## Appendix B.

# General Explanation and Census of Agriculture Report Form

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### DEVELOPMENT OF THE CENSUS REPORT FORM

Prior to each agriculture census, the content of all census report forms is reviewed to eliminate inquiries no longer needed and to identify new items necessary to meet user needs, so that published data better describes the agricultural situation in the CNMI. Data requests are solicited from farm organizations, land-grant colleges and universities, State and Federal agencies, State departments of agriculture, agribusinesses, and other users. Each user is asked to identify and justify its specific data needs.

The report form for the 2023 Census of Agriculture for the CNMI was prepared by NASS, in cooperation with the CNMI Department of Commerce, Central Statistics Division. A summary of changes on the report form reflecting the CNMI's agriculture are summarized below. A sample copy of the report form is included in this appendix.

### DATA CHANGES

Following are descriptions of the report form changes:

- Section 3, “Vegetables and Melons” –
  - Beans were expanded to include “Winged.”
  - Cabbage was limited to include only “Chinese.”
  - Corn was moved from the Field and Forage Crop section and now captured as “Sweet Corn” in this section.
  - Radishes were expanded to include “Red and Chinese.”
  - Herbs were added as response option.
  - Represents crops harvested for sale in 2023.
- Section 4, “Fruit, Nuts, and Nursery Crops” –
  - Nursery crops were removed from this section and placed along with hemp under Section 5.
  - Dragon fruit and Mountain apples were added to the list of printed crops in this section.
  - Represents crops grown or harvested for sale in 2023.
- Section 5, “Nursery Crops and Hemp” –
  - An extended section was created to specify for Nursery crops and Hemp. Bedding/Garden plants, Cut flowers/Cut florist greens, Foliage plants (indoor use), Potted flowering plants, Other floriculture and bedding, Nursery stock, and Hemp were added as response options.
  - Value of sales is reported for each commodity.
  - In 2018 and prior years, hemp was included in “Other crops,” while the other nursery crops were summed up under one line of data as “Nursery crops.”
  - Represents crops grown or harvested for sale in 2023, including acres in the open and area under protection.
- Section 7, “Livestock” –
  - Value of sales is listed for each livestock animal type.
- Section 8, “Poultry” –
  - Value of sales is listed for each poultry bird type.
- Section 10, “Production Expenses” – Additional expense items were added:
  - Repairs, supplies, and maintenance costs.
- Section 12, “Practices” –
  - Data for Employing Freely Associated States citizens is no longer collected on the census form.
  - Additional items were added for practices regarding land use such as: fallow land, crop rotation, pasture rotation, and plant grass for land improvement.
  - Use of precision agriculture was added to practices. Precision agriculture is the use of practices that utilize technology to improve agricultural productivity or efficiency.
  - Methods used to access the internet were updated. Broadband methods were combined into one category, and broadband over powerlines was deleted as a category.
  - Value of processed or value-added agricultural products sold were added.

- Section 13, “Producer Characteristics” –
  - “Operator” term was replaced by “Producer” on the entire form to be consistent with NASS standard census terminology and to improve the collection of characteristics of the farm producer.
  - A new question was added to capture Latino, Hispanic, or Spanish origin. Race of producer was updated to White, Black or African American, American Indian or Alaska Native, Asian Indian, Chinese, Filipino, Japanese, Korean, Vietnamese, Other Asian, Native Hawaiian, Carolinian, Chamorro, Samoan, and Other Pacific Islander.
  - Data for U.S. citizenship is no longer collected on the census form.
  - Total number of male and female producers involved in decision making for the farming operation was added.

## DEFINITIONS AND EXPLANATIONS

The following definitions and explanations provide a detailed description of specific terms and phrases used in this publication. Items in the publication tables which carry the note “see text” also are explained. Report form section number references refer to the CNMI Census of Agriculture report form, 23-A1(CNMI). Many of the definitions and explanations are the same as those used in earlier censuses.

**Agricultural practices.** Respondents were asked did they use any of the following practices: have fallow land, rotate crops, build paddocks for pasture rotation, plant any grasses for land improvement, and use of precision agriculture practices.

**Broadband.** This item is the number of farms that reported using DSL, cable, or fiber optic connections to the internet.

**Cellular data plan.** Mobile internet service for a cell phone or other device. This includes counts of farm operations that reported accessing the internet from a mobile device, such as a cell phone or tablet. In 2018, this item was labeled mobile broadband plan for a computer or a cell phone. This is a wording change only; data are comparable.

**Crops.** The report form contained individual inquiries for crops commonly grown and space to write in those less frequently produced. The information requested for 2023 included acres of crops harvested and pounds harvested for sale.

The units of measure for reporting quantities of some crops have varied from one census to another. The aim has been to permit reporting in the units of measure currently in use. The quantities harvested for each crop are expressed in the

units of measure given on the 2023 report form.

*Fruits and nuts* - The total number of acres planted in bearing and nonbearing fruit and nut trees and plants was collected. For individual fruit or nut crops, data on the number of bearing and nonbearing trees and plants, and the quantity harvested for sale, were reported.

*Nursery crops and hemp* - The total land area harvested, both square feet under cover and acres in the open, were collected, along with the value of sales.

*Root crops* - The land area from which individual root crops were harvested for sale was obtained in acres and tenths of acres. When two or more crops were harvested from the same land, the area was to be reported for each separate crop or planting. Total quantities of each crop harvested for sale were also reported.

*Vegetables and melons* - Land area for individual crops and the quantity harvested for sale for each crop were collected.

**Equipment.** The following types of equipment on the place at time of enumeration regardless of ownership, were reported if they were operable:

*Automobiles* - This includes all vehicles used primarily as passenger cars.

*Motortrucks* - This includes pickup trucks and truck-trailer combinations.

*Tillers of all kinds* - This includes all types of tillers used to prepare soil for planting.

*Tractors of all kinds* - This includes all wheel and track-laying (crawler) tractors and garden tractors.

**Expenses.** The 2023 report form contained questions on eleven types of farm expenses incurred between January 1 and December 31, 2023, whether made by the farm producer, his/her landlord, or both. A farm producer who rented part of his/her land to others reported only the expenses on the land he/she operated.

*Feed purchased for livestock, poultry, and fish* - Expenses for feed for livestock, poultry, and fish include total cash payments made for pasture used, salt concentrates, mineral supplements, grain, hay, mill feeds, and any other items purchased for feeding livestock, poultry, and fish on the place. Expenses made for the grinding and mixing of feed and the estimated cost of items furnished to the producer by a landlord or others are also included. Payments made by a tenant to a landlord for feed grown on the tenant's farm

are excluded.

*Gasoline, fuels, and oil purchased for the farm business* - This item includes expenses for gasoline, fuels, and oil purchased for the farm.

*Machine hire and customwork* - Expenses for machine hire and customwork relate to tractor hire, plowing, and spraying. Any amount spent for the labor involved will be part of the expense. The costs of hauling, trucking, or exchange work without pay are omitted.

*Purchases of fertilizers and manure* - These expenses include the total amount spent for manure and commercial fertilizers of all kinds for use on the farm.

*Purchases of insecticides, fungicides, and herbicides* - This item relates to total cash expenses for all chemicals, sprays, dusts, etc., used to control weeds, pests, insects, or disease on crops.

*Purchases of livestock, poultry, and fish* - This item includes all cash expenses for livestock, poultry, and fish purchased for the place. The cost of livestock and poultry bought and resold within 30 days is not included.

*Repairs, supplies, and maintenance costs for the farm business* - Additional farm business expenses are being accounted under this category for operational business purposes.

*Seed cost* - These expenses include all seed purchased for planting, as well as seedlings.

*Transportation cost (excluding fuel expenses)* - This item includes transportation expenses, excluding the cost for gasoline, and fuels, related to the farm business.

*Wages and salaries paid to employees or hired farm workers* - Expenses for hired farm labor include total cash payments made to family members and others for farm labor. Payments to persons supplied by a contractor or a cooperative organization and paid directly by them or by the person in charge are also included.

*Water expenses* - This item includes water expenses for the farm.

**Farm producer.** The term "producer" designates a person who operates a farm, either by doing the work himself/herself or by directly supervising the work. The producer may be the owner, a member of the owner's household, a hired manager, or a tenant, renter, or sharecropper. If the producer rents land to others or has land worked on shares by others, he/she is considered the

producer only if the land is retained for his/her own operation. In the case of partnership, only one partner is counted as a producer. By definition, the number of producers is the same as the number of farms.

**Farms by age of producer.** Enumerators entered the producer's age, as of his/her last birthday, on the report form. The computer edit classified the producer's age into one of the following age groups:

Under 35 years	35 to 44 years
45 to 54 years	55 to 64 years
65 years and over	

**Farms by size.** All farms were classified by size on the basis of the total land area established in each farm. According to the census definition, a farm is essentially an operating unit, not an ownership tract. All land operated or managed by one person or partnership represents one farm. In the case of tenants, the land assigned to each tenant is considered a separate farm, even though the landlord may consider the entire landholding to be one unit rather than several separate units.

**Farms by tenure of producer.** In the 2023 census, all farms were classified by tenure of producer on the basis of data reported for land owned, rented from others, worked on shares for others, and managed for others. The same classification has been used since 1964. During processing operations, each report form was coded to indicate whether the producer was a full owner, part owner, or tenant.

*Full owners* - Operate only land they own

*Part owners* - Operate land they own and also land they rent from others

*Tenants* - Rent from others or work the land they operate on shares for others

**Farms by value of agricultural products sold.** All farms were classified on the basis of the total value of agricultural products sold. The total was obtained by adding the reported values of all products sold from the farm. The value of livestock, milk, poultry and eggs, fish, vegetables, fruits and nuts, all field crops, ornamental plants, and all other crops was obtained from the producer at the time of enumeration. The computer edit classified the value of agricultural products sold into one of the following groups:

Less than \$1,200	\$1,200 to \$2,499
\$2,500 to \$4,999	\$5,000 to \$7,499
\$7,500 to \$9,999	\$10,000 or more

**Farms or producers reporting.** Figures for "farms

reporting" or "producers reporting" represent the number of farms or producers reporting the specified item. The difference between the total number of farms and the number of farms reporting a particular item represents the number of farms not having that item.

**Land in farms.** The land in farms was determined from the answers to questions 1 through 4 in section 1 of the report form (see appendix B). The amounts of land reported as owned and reported as rented from others were added together, and the amount of land reported as rented to others was subtracted from that sum. The result represents "land in farms."

**Land owned.** This includes all land that the producer or his/her spouse held under title, purchased contract, homestead law, or as heir or trustee of an undivided estate at the time of enumeration.

**Land rented from others.** This includes not only land the producer rented or leased from others, but also land worked on shares for others or land occupied rent free.

**Land rented to others.** This includes all land that the producer rented to others and all land assigned to others on shares or rent free. For the most part, land rented to others represents agricultural land, but it also includes land rented for residential or other purposes. The tenant is considered to be the producer of land leased, rented, or worked on shares, even though his/her landlord may supervise the operations. The landlord is considered to be the producer of only that portion of the land not assigned to tenants.

**Land use.** Land in farms at the time of enumeration is categorized according to the way it was used between January 1 and December 31, 2023. The land is counted only once, even though it may have had more than one use during the year.

*Cropland harvested* - This refers to all land from which any crop was harvested. It also includes land in field crops that were grazed when mature or almost mature, and land in nonbearing fruit or nut trees and plants. Land from which two or more crops were harvested and which was also used for other purposes, either before or after the crops were harvested, was to be reported as cropland harvested without regard to the other uses.

*Other cropland* - This includes all cropland on the place that was used for pasture, and cropland on the place that was not used for crops or pasture. It includes land on which there was total crop failure due to hurricane, flood, drought, insects, fire, or other causes; cropland lying idle; and cropland planted with soil improvement grasses or other cover crops planted for improvement. It does not

include land so hilly, rocky, or wet that the cost of improving it for cultivation would be more than the producer could pay. It does not include land in roads, streams, or swamps.

*Pasture or grazing land* - This refers to all land used for pasture or grazing, except cropland. It includes all woodland where livestock pastured or grazed. It does not include cropland, even though cattle or other livestock may have been grazed on it.

*Woodland* - This includes all land that is covered in woods or forests. It does not include woodland pasture.

*Other land* - This refers to all land not included in the other land use classifications, such as house and other building lots, lanes, roads, ditches, and land area of ponds and wasteland.

**Livestock and poultry.** Inventory data for livestock and poultry relate to the number on hand at the time of enumeration. All livestock and poultry were to be enumerated on the place where they were at the time of enumeration regardless of who owned them. Livestock on unfenced land were to be reported as being on the place identified as the headquarters of the person who had control over them. A precise date aiming at the last day of the year was placed for reporting the total number of livestock animals and the total number of poultry birds kept on the farm.

**Number of producers.** This item is the total count of producers involved in decisions for the operation reported by the respondent. Multiple producers per farm may have been reported.

**Producer characteristics.** Data were obtained to classify the producers according to the following seven characteristics:

*Age of producer* - Producers were classified by age into five groups. The average age was obtained by dividing the sum of the ages of all producers reporting by the number reporting.

*Main occupation* - If the producer devoted 50 percent or more of his/her work time to agricultural activities, his/her main occupation was considered to be agriculture, otherwise his/her occupation was considered to be nonagricultural.

*Hispanic, Latino, or Spanish origin.* Producers of Hispanic, Latino, or Spanish origin are found in all racial groups listed in the census and were tabulated according to the race reported.

*Race of producer* - Respondents were asked to choose between White, Black or African American, American Indian or Alaska Native, Asian Indian, Chinese, Filipino, Japanese, Korean, Vietnamese, Other Asian, Native Hawaiian, Carolinian, Chamorro, Samoan, or Other Pacific Islander to describe their race or national origin.

*Residence of producer* - Producers were classified by residence according to whether or not they lived on the farms operated. Where all the land was rented from others or worked on shares for others, the dwelling was considered to be on the farm operated provided the dwelling he/she occupied was included in the rental agreement. In such cases, the dwelling was not necessarily on the land being operated. Similarly, a producer who did not live on the land being cultivated or grazed, but who had some agricultural operations (other than a home garden) at his/her dwelling, was considered to be living on the farm.

*Sex of producer* - Producers are classified as male or female.

*Work off-farm* - The extent to which producers rely on nonfarm sources for part of their income is indicated by the number of days worked off the farm during the year. Work off the farm was defined to include work on someone else's farm for pay as well as all types of nonfarm jobs, businesses, and professions whether the work was done on the farm premises or elsewhere. Exchange work was not included.

*Years on present farm* - Producers were classified by years on present farm into four groups. These data were based on the question asking the year the producer began operation of the present farm or any part of it.

**Rate paid for irrigation.** Producers who used public systems for irrigation were asked if they paid an agricultural rate or residential rate.

**Use of precision agriculture practices.** The use of precision agricultural practices is defined as the use of practices that utilize technology to improve agricultural productivity or efficiency by connecting the practice to a digital environment for crop or livestock production.

**Value of processed or value-added agricultural products sold.** Data represent the value of products that originated from crop or livestock commodities produced on the operation. Through further manufacture or processing, these items are transformed into products worth more than the originally produced commodity.

**Value of products sold.** Data for value of products sold were obtained for each group of crops or main type of livestock sold from the farm. Data were obtained for sales of field and forage crops, vegetables, fruits and nuts, nursery crops, poultry and poultry products, cattle and calves, hogs and pigs, fish and other aquaculture products, other livestock and livestock products and chicken eggs.

**2023  
CENSUS OF AGRICULTURE**



**COMMONWEALTH  
OF NORTHERN  
MARIANA ISLANDS**



U.S. DEPARTMENT OF AGRICULTURE
NATIONAL AGRICULTURAL STATISTICS SERVICE

*Make corrections to name, address and zip code if necessary.*

0035	0036	0037	0038	0039	GPS (Latitude 9854 x Longitude 9855)
					X
9912 Respondent name			9911 Respondent area code and Phone Number		9958
			- -		Check if cell phone <input type="checkbox"/>
1095 Respondent email			9936 Operation Area Code and Phone Number		9957
			- -		Check if cell phone <input type="checkbox"/>
9937 Operation email			9910 Date completed (MM/DD/YYYY)		

The information you provide will be used for statistical purposes only. Your response will be kept confidential and any person who willfully discloses ANY identifiable information about you or your operation is subject to a jail term, a fine, or both. This survey is conducted in accordance with the Confidential Information Protection and Statistical Efficiency Act of 2018, Title III of Pub. L. No. 115-435, codified in 44 U.S.C. Ch. 35 and other applicable Federal laws. For more information on how we protect your information please visit: <https://www.nass.usda.gov/confidentiality>. Response to this survey is required by law under Title 7 USC 2204(g) Public Law 105-113.

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB number is 0535-0226. The time required to complete this information collection is estimated to average 30 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

**SECTION 1 LAND IN AGRICULTURE AND LAND USE**

		None	Whole acres		Tenths
1. How many acres do you own? . . . . .	0040	<input type="checkbox"/>			/10
2. How many acres do you RENT FROM OTHERS? Include acres with or without a government land permit or acres that are furnished to you in connection with your living quarters by the government . . . . .	0042	<input type="checkbox"/>			/10
3. How many acres do you rent TO OTHERS? (DO NOT include land used by U.S. military services.) . . . . .	0044	<input type="checkbox"/>			/10
4. TOTAL LAND – ADD acres owned (question 1) and acres rented FROM OTHERS (question 2), then SUBTRACT acres rented TO OTHERS (question 3) and enter the result in this space . . . . .	0045	<input type="checkbox"/>			/10
<b>For the following questions report land in only one category. If two or more uses were made of the same land, report in the first category that applies.</b>					
5. Cropland harvested – Report the number of acres on which crops were grown and harvested. . . . .	0231	<input type="checkbox"/>			/10
6. Other cropland – Include cropland pasture, crop failure, idle and fallow cropland, and cropland used for soil improvement . . . . .	0232	<input type="checkbox"/>			/10
7. Pasture or grazing land – Include woodland pasture. (DO NOT include cropland pasture.) . . . . .	0233	<input type="checkbox"/>			/10
8. Woodland (DO NOT include woodland pasture.) . . . . .	0234	<input type="checkbox"/>			/10
9. All other land – Include house lots, barn lots, lanes, roads, ditches, ponds, wasteland, etc. . . . .	0235	<input type="checkbox"/>			/10
10. TOTAL LAND – Add entries in questions 5 through 9. This total should equal the entry in question 4 . . . . .	0236	<input type="checkbox"/>			/10

**PENALTY FOR FAILURE TO REPORT** 21173018 

**SECTION 2 ROOT CROPS**

Did you harvest any ROOT CROPS FOR SALE in 2023?

0002 1  Yes - Complete this section      3  No - Go to Section 3

	None	How many acres were harvested in 2023?			How many pounds were harvested in 2023?
		Whole acres	Tenths		
1. Cassava (tapioca) . . . . .	0685 <input type="checkbox"/>		/10	0686	
2. Gado . . . . .	0076 <input type="checkbox"/>		/10	0077	
3. Ginger . . . . .	0078 <input type="checkbox"/>		/10	0079	
4. Sweet potatoes . . . . .	0769 <input type="checkbox"/>		/10	0770	
5. Taro (include roots and leaves) . . . . .	0774 <input type="checkbox"/>		/10	0775	
6. Yams . . . . .	0784 <input type="checkbox"/>		/10	0785	

7. Other root crops – Specify ↴

0096	<input type="text"/>	0094 <input type="checkbox"/>	<input type="text"/>	/10	0095	<input type="text"/>
0092	<input type="text"/>	0072 <input type="checkbox"/>	<input type="text"/>	/10	0510	<input type="text"/>

8. What was the value of sales of root crops sold from this place in 2023? . . . . . 0330 

Dollars	
\$	<input type="text"/>
	.00

# SECTION 3 VEGETABLES AND MELONS

Did you harvest any VEGETABLES or MELONS FOR SALE in 2023?

0003 <sup>1</sup>  Yes - Complete this section      <sup>3</sup>  No - Go to Section 4

		How many acres were harvested in 2023?			How many pounds were harvested in 2023?
		Whole acres	Tenths		
1. Alfalfa and/or bean sprouts	0755	<input type="checkbox"/>	/10	0756	
2. Beans, winged	0114	<input type="checkbox"/>	/10	0115	
3. Beans, yard-long	0102	<input type="checkbox"/>	/10	0103	
4. Beans, all other varieties	0104	<input type="checkbox"/>	/10	0105	
5. Bittermelons	0106	<input type="checkbox"/>	/10	0107	
6. Cabbage, Chinese	0108	<input type="checkbox"/>	/10	0109	
7. Cantaloupes	0112	<input type="checkbox"/>	/10	0113	
8. Corn	0690	<input type="checkbox"/>	/10	0691	
9. Cucumbers	0695	<input type="checkbox"/>	/10	0696	
10. Eggplant	0700	<input type="checkbox"/>	/10	0701	
11. Herbs	0720	<input type="checkbox"/>	/10	0721	
12. Muskmelons	0128	<input type="checkbox"/>	/10	0129	
13. Okra	0130	<input type="checkbox"/>	/10	0131	
14. Onions, green	0715	<input type="checkbox"/>	/10	0716	
15. Peppers, hot	0134	<input type="checkbox"/>	/10	0135	
16. Peppers, sweet	0764	<input type="checkbox"/>	/10	0765	
17. Pumpkins and squash	0138	<input type="checkbox"/>	/10	0139	
18. Radishes	0750	<input type="checkbox"/>	/10	0751	
19. Tomatoes (Include both standard and cherry tomatoes)	0779	<input type="checkbox"/>	/10	0780	
20. Watermelons	0800	<input type="checkbox"/>	/10	0801	
21. Other vegetables and melons – Specify ↴					
0149	<input type="text"/>	<input type="checkbox"/>	/10	0151	<input type="text"/>
0152	<input type="text"/>	<input type="checkbox"/>	/10	0154	<input type="text"/>

22. What was the value of sales of vegetables and melons sold from this place in 2023? 0331  None  Dollars \$  .00



**SECTION 4 FRUITS AND NUTS**

Were any FRUITS or NUTS grown or harvested FOR SALE in 2023?

0010 <sup>1</sup>  Yes - Complete this section      <sup>3</sup>  No - Go to Section 5

Whole acres	Tenths
	/10

How much land is in bearing and nonbearing fruit and nut trees (plants)? . . . . . 0159

	None	How many trees or plants are not of bearing age?	How many trees or plants are of bearing age?	How many pounds were harvested in 2023?
1. Avocados . . . . . 0160	<input type="checkbox"/>		0161	0911
2. Bananas . . . . . 0163	<input type="checkbox"/>		0164	0907
3. Betelnuts . . . . . 0166	<input type="checkbox"/>		0167	0168
4. Breadfruits . . . . . 0169	<input type="checkbox"/>		0170	0926
5. Coconuts . . . . . 0172	<input type="checkbox"/>		0173	0935
6. Dragon fruit . . . . . 0196	<input type="checkbox"/>		0197	0198
7. Grapefruit . . . . . 0175	<input type="checkbox"/>		0176	0940
8. Guavas . . . . . 0178	<input type="checkbox"/>		0179	0180
9. Lemons and limes . . . . . 0181	<input type="checkbox"/>		0182	0183
10. Mangoes . . . . . 0184	<input type="checkbox"/>		0185	0955
11. Mountain apples . . . . . 1206	<input type="checkbox"/>		1207	1208
12. Oranges . . . . . 0187	<input type="checkbox"/>		0188	0960
13. Papayas . . . . . 0190	<input type="checkbox"/>		0191	0965
14. Pineapples . . . . . 0193	<input type="checkbox"/>		0194	0970
15. Soursops . . . . . 0199	<input type="checkbox"/>		0200	0975
16. Starfruits . . . . . 0202	<input type="checkbox"/>		0203	0204
17. Sweetops . . . . . 0205	<input type="checkbox"/>		0206	0207
18. Tangerines . . . . . 0208	<input type="checkbox"/>		0209	0210
19. Other fruits and nuts - Specify ↴				
0979 <input type="text"/>	0211 <input type="checkbox"/>		0212	0516
0214 <input type="text"/>	0215 <input type="checkbox"/>		0216	0217

20. What was the value of sales of fruits and nuts sold from this place in 2023? . . . . . 0332  None

Dollars	
\$	<input type="text"/> .00



## SECTION 5 NURSERY CROPS AND HEMP

Were any NURSERY CROPS or HEMP grown or harvested FOR SALE in 2023?

0816 1  Yes - Complete this section      3  No - Go to Section 6

	None	Square feet under cover	Acres in the open		Value of sales in 2023
			Whole acres	Tenths	
1. Bedding/Garden plants . . . . . 0400	<input type="checkbox"/>			/10	0402 \$ .00
2. Cut flowers/Cut florist greens . . . . . 0403	<input type="checkbox"/>			/10	0405 \$ .00
3. Foliage plants, indoor . . . . . 0406	<input type="checkbox"/>			/10	0408 \$ .00
4. Potted flowering plants . . . . . 0409	<input type="checkbox"/>			/10	0411 \$ .00
5. Other floriculture and bedding – Specify ↘					
0412 <input type="text"/>	0413 <input type="checkbox"/>		0414	/10	0415 \$ .00
0416 <input type="text"/>	0417 <input type="checkbox"/>		0418	/10	0419 \$ .00
6. Nursery stock . . . . . 0420	<input type="checkbox"/>		0421	/10	0422 \$ .00
7. Hemp . . . . . 0817	<input type="checkbox"/>		0818	/10	0819 \$ .00

## SECTION 6 IRRIGATION

Was Any LAND in this place IRRIGATED at any time during 2023? Irrigated land is all land watered by any artificial or controlled means: sprinklers, furrows or ditches, spreader dikes, etc. Include supplemental, partial, and pre-plant irrigation.

0006 1  Yes - Complete this section      3  No - Go to Section 7

	None	Whole acres	Tenths
1. How many acres were irrigated from a PRIVATE SYSTEM (wells, rivers, brooks, etc.)? . . . . . 0237	<input type="checkbox"/>		/10
2. How many acres were irrigated from a PUBLIC SYSTEM? . . . . . 0238	<input type="checkbox"/>		/10
3. If water from a public system was used, which rate was charged for the water?			
0470 1 <input type="checkbox"/> Agricultural rate      2 <input type="checkbox"/> Residential rate			
4. Major source of water used for irrigation:			
0247 1 <input type="checkbox"/> Well or cistern      3 <input type="checkbox"/> Lake or private pond      5 <input type="checkbox"/> Public utility			
2 <input type="checkbox"/> River or stream      4 <input type="checkbox"/> Canal or irrigation district      6 <input type="checkbox"/> Other – Specify ↘			
0473 <input type="text"/>			



## SECTION 7 LIVESTOCK

Do you or anyone else have any LIVESTOCK (excluding poultry and fish) on this place or were any sold from this place in 2023?

0007 1  Yes - Complete this section 3  No - Go to Section 8

		None	How many were on this place Dec 31, 2023?	How many were sold in 2023?	What was the value of sales in 2023?	
1.	<b>Cattle and calves of all ages</b> (Total of "a" and "b" below) . . . . .	0240	<input type="checkbox"/>	0241	0242	\$ .00
	<b>a. Cows</b> . . . . .	0480	<input type="checkbox"/>	0481	1000	\$ .00
	<b>b. All other cattle and calves</b> . . . . .	0248	<input type="checkbox"/>	0249	0250	\$ .00
2.	<b>Hogs and pigs of all ages</b> . . . . .	0252	<input type="checkbox"/>	0253	0254	\$ .00
3.	<b>Goats and kids of all ages</b> . . . . .	0274	<input type="checkbox"/>	0275	0593	\$ .00
4.	<b>Horses, mules, and colts of all ages</b> . . . . .	0256	<input type="checkbox"/>	0257	0258	\$ .00
5.	<b>Other livestock - Specify</b> ↴					
0626	<input type="text"/>	0268	<input type="checkbox"/>	0269	1010	\$ .00
0627	<input type="text"/>	0628	<input type="checkbox"/>	0629	1012	\$ .00

## SECTION 8 POULTRY

Do you or anyone else have any POULTRY on this place or were any sold from this place in 2023?

0008 1  Yes - Complete this section 3  No - Go to Section 9

		None	How many were on this place Dec 31, 2023?	How many were sold in 2023?	What was the value of sales in 2023?	
1.	<b>Chicken hens 4 months old and over</b> (Total of "a" and "b" below) . . . . .	0292	<input type="checkbox"/>	0293	0512	\$ .00
	<b>a. Commercial layers</b> . . . . .	0294	<input type="checkbox"/>	0295	0513	\$ .00
	<b>b. Other chicken hens</b> . . . . .	0296	<input type="checkbox"/>	0297	0596	\$ .00
2.	<b>Chickens less than 4 months old</b> . . . . .	0300	<input type="checkbox"/>	0301	0597	\$ .00
3.	<b>Roosters and pullets</b> . . . . .	0302	<input type="checkbox"/>	0303	0598	\$ .00
4.	<b>Ducks</b> . . . . .	0306	<input type="checkbox"/>	0307	0599	\$ .00
5.	<b>Pigeons</b> . . . . .	0308	<input type="checkbox"/>	0309	0618	\$ .00
6.	<b>Other (geese, turkeys, etc.) - Specify</b> ↴					
0620	<input type="text"/>	0264	<input type="checkbox"/>	0265	0619	\$ .00
0621	<input type="text"/>	0622	<input type="checkbox"/>	0623	0624	\$ .00
7.	<b>Quantity and value of chicken eggs sold in 2023</b> . . . . .	0273	<input type="checkbox"/>	None	Dozens sold	Value of sales
					<input type="text"/>	\$ .00



## SECTION 9 AQUACULTURE

Did you or anyone else raise any FISH or AQUACULTURE PRODUCTS (shrimp, etc.) for sale?

0280 1  Yes - Complete this section      3  No - Go to Section 10

		Number	
1.	How many in-ground ponds did you use? .....	0281	
2.	How many above-ground tanks did you use? .....	0282	
		Pounds sold	Value of sales
3.	How much FISH or other AQUACULTURE products were raised and sold from this place in 2023? .....	0504	0505
		\$	.00

## SECTION 10 PRODUCTION EXPENSES

How much were your EXPENDITURES for each of the following in 2023?

		None	Dollars only	
1.	Machine hire and customwork .....	0341	<input type="checkbox"/>	\$ .00
2.	Wages and salaries paid to employees or hired farm workers (DO NOT include housework or contract construction work.) Include cash payments only ..	0342	<input type="checkbox"/>	\$ .00
3.	Repairs, supplies, and maintenance costs for the farm business .....	0821	<input type="checkbox"/>	\$ .00
4.	Gasoline, fuels, and oils purchased for the farm business. Include diesel, natural gas, LP gas, motor oil, grease, etc. ....	0348	<input type="checkbox"/>	\$ .00
5.	Water expenses - Include water used for irrigation .....	0349	<input type="checkbox"/>	\$ .00
6.	Transportation costs (excluding fuel expenses) .....	0340	<input type="checkbox"/>	\$ .00
7.	Livestock, poultry, and fish purchased .....	0346	<input type="checkbox"/>	\$ .00
8.	Feed purchased for livestock, poultry, and fish - Include cost of grain, feed, concentrates, and roughages; also amount paid for grinding and mixing feed .....	0343	<input type="checkbox"/>	\$ .00
9.	Insecticides, fungicides, and herbicides .....	0344	<input type="checkbox"/>	\$ .00
10.	Fertilizers and manure purchased .....	0345	<input type="checkbox"/>	\$ .00
11.	Seed costs - include seedlings purchased .....	0347	<input type="checkbox"/>	\$ .00

## SECTION 11 EQUIPMENT

Which of the following EQUIPMENT are used on this place? Include all specified equipment on this place today, regardless of ownership, provided it is in operating condition.

		None	Number
1.	Tractors of all kinds .....	0320	<input type="checkbox"/>
2.	Motortrucks .....	0321	<input type="checkbox"/>
3.	Automobiles .....	0322	<input type="checkbox"/>
4.	Tillers of all kinds .....	0323	<input type="checkbox"/>



**SECTION 12 PRACTICES**

1. At any time during 2023, did this operation –
- a. Have fallow land? ..... 0354 1  Yes 3  No
  - b. Rotate crops? ..... 0355 1  Yes 3  No
  - c. Build paddocks for pasture rotation? ..... 0356 1  Yes 3  No
  - d. Plant any grasses such as guinea grass, napier or other species for land improvement? ..... 0357 1  Yes 3  No
  - e. Use a computer for the farm business? (laptop, desktop, tablet) ..... 0359 1  Yes 3  No
  - f. Have internet access, either on the operation or at a producer's residence?

0376 1  **Yes** - Report the type of service that was used to access the internet. Mark all that apply:

- 1265  Cellular data plan for a smartphone or other mobile device
- 1266  Satellite Internet service installed
- 1775  Don't know
- 1271  Broadband (high speed) Internet service such as cable, fiber optic, or DSL service installed
- 1261  Dial-up Internet service installed
- 1268  Other, specify below ↙

3  **No**

1269

- g. Use conservation practices/measures (such as residue management, mulching, green manure crops, etc.) to conserve natural resources on site and to improve soil health on site? ..... 0824 1  Yes 3  No
- h. Use conservation practices such as installing a high tunnel system to extend fruiting/flowering season or to protect crops from environmental impacts such as heavy rain or full sun exposure? ..... 0825 1  Yes 3  No

2. During 2023, did this operation produce and sell any processed or value-added products from its own production? ..... 1726 1  Yes → 2727 3  No

Value of Sales (Dollars)	
\$	<input style="width: 80%;" type="text"/> .00

3. How many unpaid and paid farm workers (including the producer and family members) worked on this place in 2023? ..... 0051

Number of workers
<input style="width: 100%;" type="text"/>

- a. Of the unpaid farm workers (including the producer and unpaid family workers), how many worked? ..... 0052
- b. Of the paid farm workers (hired workers and paid members of the producer's family), how many worked? ..... 0055

150 days or more?	25 to 149 days?	Less than 25 days?
0052	0053	0054
<input style="width: 100%;" type="text"/>	<input style="width: 100%;" type="text"/>	<input style="width: 100%;" type="text"/>
0055	0056	0057
<input style="width: 100%;" type="text"/>	<input style="width: 100%;" type="text"/>	<input style="width: 100%;" type="text"/>

4. What type of operating organization does this place have? ..... 0058

- 1  Individual
- 2  Partnership
- 3  Corporation (DO NOT include cooperatives)
- 4  Other (Cooperative, estate, trust, etc.)

5. At any time during 2023, did this operation use precision agriculture practices to manage crops or livestock? This would include the use of global positioning (GPS) guidance systems, GPS yield monitoring and soil mapping, variable rate input applications, use of drones for scouting fields or monitoring livestock, electronic tagging, precision feeding, robotic milking, etc. .... 1165 1  Yes 3  No



## SECTION 13 PRODUCER CHARACTERISTICS

The following questions are about the CHARACTERISTICS of the FARM PRODUCER.

1. How old were you (producer) on December 31, 2023? . . . . . 0362

Age

2. SEX of producer

0367 1  Male      2  Female

3. Is the producer of Hispanic, Latino, or Spanish origin?

2001 1  Yes      3  No

4. Race of producer (Select all that apply)

2003  White

2004  Black or African American

2005  American Indian or Alaska Native, specify tribe:

2006

2007  Asian Indian

2008  Chinese

2009  Filipino

2010  Japanese

2011  Korean

2012  Vietnamese

2013  Other Asian, specify:

2014

2015  Native Hawaiian

2021  Carolinian

2016  Chamorro

2017  Samoan

2018  Other Pacific Islander, specify:

2019

5. Do you (producer) live on this place (the acres entered in section 1, question 4)?

0360 1  Yes      3  No

Year

6. In what YEAR did you (PRODUCER) begin to operate any part of this place? . . . . . 0361

7. At which occupation did you (producer) spend the majority (50 percent or more) of your work time in 2023? . . . 0363

- 1  Farming or ranching
- 2  Other

8. OFF-FARM WORK – How many days did you (producer) work at least 4 hours per day off this place in 2023? Include work at a nonfarm job, business, or on someone else's farm. (Exclude exchange farm work.) . . . . . 0364

- 1  None
- 2  1 - 49 days
- 3  50 - 99 days
- 4  100 - 149 days
- 5  150 - 199 days
- 6  200 days or more

9. In 2023, how many men and women were involved in decisions for this operation (include family members and hired managers)? Exclude hired workers unless they were a hired manager or family member . . . . . 1571

Men

Women



**SECTION 14** **ENUMERATOR'S RECORD** (To be completed by the census enumerator)

1. Who furnished the information in this report? . . . . . 0370

}	1 <input type="checkbox"/> Producer	4 <input type="checkbox"/> Hired laborer
	2 <input type="checkbox"/> Landlord	5 <input type="checkbox"/> Other <i>Specify</i> ↘
	3 <input type="checkbox"/> Spouse or other family member	0371 <input style="width: 100px; height: 15px;" type="text"/>

2. **REMARKS** – Make any remarks needed in regard to the place, the owner or producer, the crops cultivated, or the livestock on this place.

<b>3. RESIDENCE OF PRODUCER</b>	a. ED 0997	b. Village 0981	
<b>4. LOCATION OF LAND</b>	a. ED 0982	b. ED number 0930	
<b>5. CERTIFIED BY</b>	Enumerator's signature 0984	Enumerator code 9997	Date 0985
			/ /2024
<b>6. CHECKED BY</b>	Supervisor's signature 0986	Supervisor's code 9969	Date 0987
			/ /2024
<b>7. RESPONSE</b>	9901 1 <input type="checkbox"/> Complete	2 <input type="checkbox"/> Refusal	3 <input type="checkbox"/> Inaccessible
	5 <input type="checkbox"/> Refusal - Est	6 <input type="checkbox"/> Inaccessible - Est	7 <input type="checkbox"/> Office Hold - Est
<b>8. TYPE OF DATA COLLECTION</b>	9903 1 <input type="checkbox"/> In person	2 <input type="checkbox"/> By phone	3 <input type="checkbox"/> Other



This page intentionally left blank.



**SECTION 15 CONCLUSION**

1. Is it possible that the agricultural activity information reported for this operation could also be reported by another operation?

1080 1  **Yes** - Provide the other name and address below 3  **No** - Go to Item 2

Possible Duplicate Name		Address		
1081	<input type="text"/>	1082	<input type="text"/>	
City		State	Zip	
1083	<input type="text"/>	1084	<input type="text"/>	1085 <input type="text"/>

2. Do you (the individual named on the label) make any day-to-day decisions for another farm or ranch? It is important that the Census of Agriculture accurately accounts for all of your farm or ranch operations.

1086 1  **Yes** - Enter the information of the additional farm or ranch below 3  **No**

Additional Farm or Ranch		Area Code and Phone Number		Check if cell phone
1088	<input type="text"/>	1089	<input type="text"/> - <input type="text"/> - <input type="text"/>	<input type="checkbox"/>

a. Were you contacted to complete a 2023 Census of Agriculture report form for this additional farm or ranch?

1087 1  **Yes** 3  **No**

b. Did you include all data from this additional farm or ranch on THIS REPORT? Do not make changes to the data in this report, regardless of your answer.

1091 1  **Yes** 3  **No**



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Transportation cost .....	8, 26	30 - 33
Water expenses .....	8, 26	30 - 33

## F

Fallow land .....	5	
Farm labor, paid and unpaid .....	5, 17	30 - 33
Farm classified by:		
Age of producer .....	3, 28	30 - 33
Size of farm .....	2, 15, 16, 18	30 - 33
Tenure of operation .....	3, 18	30 - 33
Type of organization .....	5, 17	
Value of agricultural products sold (see also individual products) .....	7, 20	30 - 33
Farms, number .....	1, 2, 15, 16, 18	30 - 33
Feed purchased .....	8, 26	30 - 33
Fish .....	7, 14, 20, 23-24, 26	30 - 33
Fruits and nuts .....	7, 11, 20, 23	30 - 33
Fungicides .....	8, 26	30 - 33

## G

Gado .....	9, 21	30 - 33
Ginger .....	9, 21	30 - 33
Goats and kids .....	13, 24	30 - 33
Grapefruit .....	11, 23	30 - 33
Green onions .....	10, 22	30 - 33
Guava .....	11, 23	30 - 33

## H

Hemp .....	7, 12, 20	30 - 33
Herbicides .....	8, 26	30 - 33
Hogs and pigs .....	13, 24	30 - 33
Horses and colts .....	13, 24	30 - 33

## I

Insecticides .....	8, 26	30 - 33
Internet access .....	4	30 - 33
Cellular .....	4	30 - 33
Satellite .....	4	30 - 33
Broadband .....	4	30 - 33
Dial-up .....	4	30 - 33
Unknown .....	4	30 - 33

Other .....	4	30 - 33
Irrigation .....	6, 19	30 - 33

## L

Labor, expenses .....	8, 26	30 - 33
Labor, paid and unpaid .....	5, 17	30 - 33
Land area .....	1	30 - 33
Land improvement .....	5	
Land in farms .....	1-2, 15-16, 18	30 - 33
Land use .....	1, 15	30 - 33
Lemons and limes .....	11, 23	30 - 33
Livestock:		
Inventory .....	13, 24	30 - 33
Number sold .....	13, 24	30 - 33
Value of sales .....	7, 20	30 - 33

## M

Machine hire .....	8, 26	30 - 33
Machinery (see Equipment)		
Mangoes .....	11, 23	30 - 33
Market value of agricultural products sold .....	7, 20	30 - 33
Melons .....	7, 10, 20, 22	30 - 33
Motortrucks .....	5, 25	30 - 33
Muskmelons .....	10, 22	30 - 33

## N

Nursery crops and hemp .....	7, 12, 20	30 - 33
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## O

Occupation of producer .....	3, 28	26 - 29
Off-farm work .....	3, 27	30 - 33
Okra .....	10, 22	30 - 33
Onions .....	10, 22	30 - 33
Producer characteristics .....	3, 28	30 - 33
Age .....	3, 28	30 - 33
Occupation .....	3, 28	30 - 33
Off-farm work .....	3, 27	30 - 33
Race .....	3, 28	30 - 33
Residence .....	3, 28	30 - 33
Sex .....	3, 28	30 - 33
Years on present farm .....	3, 28	30 - 33
Oranges .....	11, 23	30 - 33
Organization, type of .....	5, 17	
Ornamental plants .....	7, 12, 20	30 - 33

## P

Paid labor .....	5, 17	30 - 33
Papayas .....	11, 23	30 - 33
Pastureland .....	1, 15	30 - 33
Pasture rotation .....	5	
Peppers .....	10, 22	30 - 33
Pigeons .....	13, 24	30 - 33
Pineapples .....	11, 23	30 - 33
Poultry:		
Inventory .....	13, 24	30 - 33
Number sold .....	13, 24	30 - 33
Value of sales .....	7, 20	30 - 33
Precision agricultural practices .....	5	
Pumpkins .....	10, 22	30 - 33

## R

Race of producer .....	3, 28	30 - 33
Radishes .....	10, 22	30 - 33
Repairs, supplies, and maintenance costs .....	8, 26	30 - 33
Residence of producer .....	3, 28	30 - 33
Roosters .....	13, 24	30 - 33
Root crops .....	7, 9, 20-21	30 - 33

## S

Sale of agricultural products (see also individual products) .....	7, 13, 20	30 - 33
Size of farm .....	1, 2, 15-16	30 - 33
Soursops .....	11, 23	30 - 33
Squash .....	10, 22	30 - 33
Starfruits .....	11, 23	30 - 33
Sweet potatoes .....	9, 21	30 - 33
Sweetsops .....	11, 23	30 - 33

## T

Tangerines .....	11, 23	30 - 33
Taro .....	9, 21	30 - 33
Tenure of operations .....	3, 18	30 - 33
Tillers (all kinds) .....	5, 25	30 - 33
Tomatoes .....	10, 22	30 - 33
Tractors (all kinds) .....	5, 25	30 - 33
Type of land ownership .....	5, 29	

## U

Unpaid labor .....	5, 17	30 - 33
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## V

Value-added products .....	5	30 - 33
Value of agricultural products sold (see also individual products) .....	7, 20	30 - 33
Vegetables .....	7, 10, 20, 22	30 - 33

## W

Watermelons .....	10, 22	30 - 33
Woodland .....	1, 15	30 - 33
Work off-farm .....	3, 27	30 - 33

## Y

Yams .....	9, 21	30 - 33
Years on present farm .....	3, 28	30 - 33