

2022 | CENSUS OF AGRICULTURE

Guam (2023)

Island Data

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Acknowledgments

The U.S. Department of Agriculture's National Agricultural Statistics Service (NASS) conducted the 2023 Guam Census of Agriculture, analyzed the data, and prepared this and other reports. The census provides a comprehensive picture of Guam'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 Guam. 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 Guam Census of Agriculture.

NASS acknowledges and appreciates the advice and support from the University of Guam, College of Natural and Applied Sciences, and its Cooperative Extension and Outreach Service; the Guam Department of Agriculture; various 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's cooperative agreements.

Members of the inter-agency working group, under the leadership of the University of Guam, College of Natural and Applied Sciences, Cooperative Extension and Outreach Service, made significant recommendations which helped establish data content. NASS appreciates the group's strong and consistent support of census programs.

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, 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. For additional information, contact NASS through email (nass@usda.gov) or by phone (800-727-9540).

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Introduction

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 16th census of agriculture of Guam. The first, taken in 1920, was a special census authorized by the Secretary of Commerce. The next agriculture census was taken in 1930 in conjunction with the decennial census, a practice that continued every 10 years through 1960. The 1964 Census of Agriculture was the first quinquennial (5-year) census to be taken in Guam. In 1976, Congress authorized the census of agriculture to be taken for 1978 and 1982 to adjust the data-reference year to coincide with other economic censuses. After 1982, the agriculture census reverted to a 5-year cycle.

USES OF CENSUS DATA

The census of agriculture is the leading source of statistics about Guam'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 Guam 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 University of Guam, College of Natural and Applied Sciences, and its Cooperative Extension and Outreach Service.

FARM DEFINITION

The statistics collected in the census relate to places with agricultural operations qualifying as farms according to the census definition. In Guam, 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 Guam 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. Some data differences, such as the increase in farm counts, may be attributed to a change in methodology since the 2018 census. For 2018, enumeration was based on a list of farm operators compiled by the Cooperative Extension and Outreach Service of the University of Guam. For the 2023 Guam Census of Agriculture, the National Agricultural Statistics Service (NASS) compiled a complete as possible list of agricultural places that met the farm definition. This list included agricultural places that met the farm definition on the 2018 Guam Census of Agriculture and potential agricultural places provided by the Cooperative Extension and Outreach Service of the University of Guam, and the Guam Department of Agriculture. 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. For additional information on methodology, please refer to Appendix A.

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. Inventories of 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 to 3, 5 to 11, and 13 to 14 show detailed island data accompanied by historic data from the previous census. Tables 4 and 12 show detailed island data for the current census. Tables 15 through 18 provide 2023 island 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

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.
- sq. ft. Square feet.

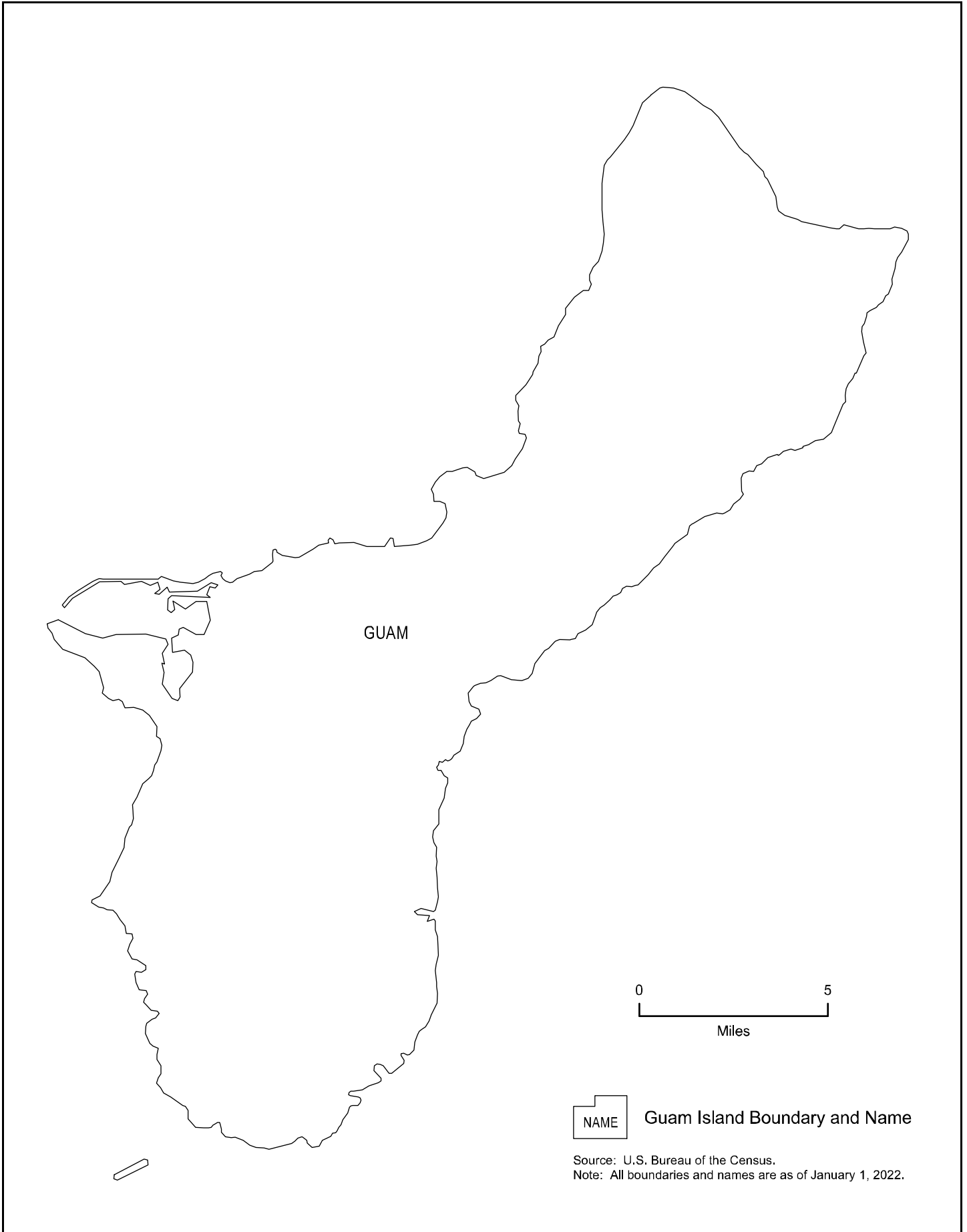


Table 1. Farms, Land in Farms, and Land Use: 2023 and 2018

[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	583	264	Total cropland - Con.		
Land in farms acres	2,848	2,441	Other farms	85	95
Average size of farm acres	4.9	9.2	..... acres	402	343
Approximate land area acres	134,316	133,760	Pasture or grazing land farms	62	39
Proportion in farms percent	2.1	1.8	..... acres	192	152
Total cropland farms	574	256	Woodland farms	49	78
..... acres	1,776	1,008	..... acres	672	1,019
Harvested farms	571	254	Other land farms	243	182
..... acres	1,373	665	..... acres	209	261

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.]

Farms	Total	Less than 1 acre	1 to 2.9 acres	3 to 4.9 acres	5 to 7.9 acres	8 to 9.9 acres	10 to 19.9 acres	20 acres or more
Farms number, 2023	583	181	212	45	61	12	35	37
..... number, 2018	264	55	84	35	36	8	16	30
Percent of farms number, 2023	100.0	31.0	36.4	7.7	10.5	2.1	6.0	6.3
..... number, 2018	100.0	20.8	31.8	13.3	13.6	3.0	6.1	11.4
Land in farms acres, 2023	2,848	78	305	155	355	96	404	1,455
..... acres, 2018	2,441	27	131	123	196	68	193	1,705
Percent distribution number, 2023	100.0	2.8	10.7	5.4	12.5	3.4	14.2	51.1
..... number, 2018	100.0	1.1	5.3	5.0	8.0	2.8	7.9	69.8
Average size of farm number, 2023	4.9	0.4	1.4	3.4	5.8	8.0	11.5	39.3
..... number, 2018	9.2	0.5	1.6	3.5	5.4	8.4	12.0	56.8

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
TENURE OF OPERATIONS			PRODUCER CHARACTERISTICS - Con.		
Operation farms	583	264	Producers by race ¹ :		
Total cropland acres	2,848	2,441	American Indian or Alaska Native (see text)	-	(NA)
..... farms	574	256	Asian ² (see text)	155	(NA)
Full owners farms	1,776	1,008	Asian Indian (see text)	2	8
Total cropland acres	2,620	1,547	Chinese	9	8
..... farms	549	167	Filipino	100	44
Part owners farms	1,605	525	Japanese	9	-
Total cropland acres	1,605	525	Korean (see text)	14	(NA)
..... farms	10	10	Vietnamese (see text)	6	(NA)
Tenants farms	101	36	Other Asian (see text)	17	(NA)
Total cropland acres	10	10	Black or African American (see text)	2	(NA)
..... farms	68	25	Native Hawaiian or Other Pacific Islander ³ (see text)	427	(NA)
Tenants farms	24	87	Native Hawaiian (see text)	-	(NA)
Total cropland acres	127	858	Carolinian (see text)	-	(NA)
..... farms	24	83	Chamorro	415	188
..... acres	103	458	Samoa (see text)	-	(NA)
			Other Pacific Islander (see text)	12	(NA)
			White	50	9
PRODUCER CHARACTERISTICS			Producers by sex:		
Producers by place of residence:			Male	382	188
On farm operated	320	151	Female	201	76
Not on farm operated	263	113	NUMBER OF TOTAL PRODUCERS (SEE TEXT)		
Producers by years on present farm:			Total producers number	1,037	(NA)
2 years or less	60	11	Farms by number of producers:		
3 to 4 years	85	38	1 producer	296	(NA)
5 to 9 years	127	43	2 producers	202	(NA)
10 years or more	311	172	3 producers	46	(NA)
Producers by age group:			4 producers	19	(NA)
Under 35 years	30	3	5 or more producers	20	(NA)
35 to 44 years	54	9	Total male producers ³ number	620	(NA)
45 to 54 years	110	36	Farms by number of male producers:		
55 to 64 years	172	96	1 producer	393	(NA)
65 years and over	217	120	2 producers	66	(NA)
Average age	59	62	3 producers	16	(NA)
Producers by main occupation:			4 producers	5	(NA)
Agricultural number	384	199	5 or more producers	5	(NA)
..... acres	2,216	2,251	Total female producers ³ number	417	(NA)
Nonagricultural number	199	65	Farms by number of female producers:		
..... acres	633	190	1 producer	290	(NA)
Producers by days of work off farm:			2 producers	43	(NA)
None	186	202	3 producers	6	(NA)
Any	397	62	4 producers	2	(NA)
1 to 49 days	30	8	5 or more producers	3	(NA)
50 to 99 days	13	5			
100 to 149 days	22	6			
150 to 199 days	30	24			
200 days or more	302	19			
Producers of Hispanic, Latino, or Spanish origin (see text)	51	(NA)			

¹ Producers may report more than one race.

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

³ 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	169	Internet access - Con.	
No computers used for the farm business	414	Satellite	51
Internet access	517	Don't know (see text)	14
Dial-up	-	Other	-
Broadband (DSL, cable, fiber optic) (see text)	220	No internet access	66
Cellular data plan (see text)	484		

Table 5. Farm Characteristics: 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
LABOR STATUS			TYPE OF ORGANIZATION		
Farms	583	264	Individual	546	242
Unpaid labor	1,703	722	Partnership	13	4
Less than 25 days	46	16	Corporation	23	17
25 to 149 days	131	46	Other	1	1
150 days or more	370	86	TYPE OF LAND OWNERSHIP		
Paid labor	508	207	Farms	583	264
Less than 25 days	26	20	Owned	2,848	2,441
25 to 149 days	73	70	Rented from others	559	177
150 days or more	34	27	Rented to others	2,614	1,562
	153	71		56	97
	99	27		267	(D)
	282	66		12	2
				32	(D)
SELECTED EQUIPMENT			AGRICULTURAL PRACTICES (SEE TEXT)		
Tractors (all kinds)	77	60	Fallow land	218	(NA)
Mototrucks	112	84	Rotate crops	193	(NA)
Automobiles	229	92	Build paddocks for pasture rotation	31	(NA)
Tillers (all kinds)	300	145	Planted grasses for land improvement	47	(NA)
	269	67	Used practices such as residue management, mulching, green manure, to conserve natural resources and improve soil health	313	(NA)
	376	91	Used high tunnels to protect crops and extend growing season	63	(NA)
	157	79	Used precision agriculture practices	22	(NA)
	268	123			

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	414	258	Farms by major source of irrigation water:		
Private system	1,056	766	Well or cistern	10	10
Public system	62	15	River or stream	11	5
Public system water rate:			Lake or private pond	-	-
Agricultural	137	183	Canal or irrigation district	3	-
Residential	199	65	Public utility	315	243
			Other	75	-

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	583	264	6,162,085	3,842,853
Average per farm	(X)	(X)	10,570	14,556
Farms by value of sales:				
Less than \$1,200	428	32	40,448	31,186
\$1,200 to \$2,499	26	69	45,732	117,657
\$2,500 to \$4,999	28	29	95,700	108,648
\$5,000 to \$7,499	19	38	116,142	228,061
\$7,500 to \$9,999	9	20	74,400	169,843
\$10,000 or more	73	76	5,789,663	3,187,458
Sales by commodity group or product:				
Root crops	40	54	(D)	(D)
Vegetables and melons	134	154	2,636,157	1,840,346
Fruits and nuts	125	192	(D)	(D)
Nursery crops and hemp (including ornamental plants) (see text)	29	(NA)	2,127,480	(NA)
Livestock and livestock products	30	39	388,300	81,400
Poultry and poultry products	51	45	236,949	57,950
Fish and other aquaculture products	3	1	(D)	(D)
Value-added products sold (see text)	37	(NA)	86,870	(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	74	75	343,162	459,478
Hired farm labor	95	65	2,004,676	1,079,446
Feed purchased for livestock, poultry, and fish	152	47	380,624	76,936
Insecticides, fungicides, and herbicides	145	78	118,476	95,566
Fertilizers and manure purchased	265	140	341,910	322,487
Livestock, poultry, and fish purchased	40	7	84,100	15,450
Seed costs (including seedlings)	180	94	157,553	117,655
Gasoline, fuels and oils purchased (see text)	335	(NA)	681,074	(NA)
Water (see text)	331	(NA)	710,178	(NA)
Transportation costs (excluding fuel expenses) (see text)	153	(NA)	386,186	(NA)
Repairs, supplies, and maintenance costs (see text)	220	(NA)	1,619,564	(NA)

Table 9. Root Crops Harvested for Sale: 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.]

Crop	2023	2018	Crop	2023	2018
	acres 4	4		acres 17	2
	pounds 2,305	6,250		pounds 8,227	3,665
Gado	farms -	10	Taro	farms 79	35
	acres -	1		acres 13	6
	pounds -	2,350		pounds 8,005	8,737
Ginger	farms 49	24	Yams	farms 56	28
	acres 7	3		acres 12	4
	pounds 1,586	729		pounds 9,790	12,474
Jicama (see text)	farms 6	(NA)	Other root crops	farms 15	7
	acres 1	(NA)		acres 8	2
	pounds 330	(NA)		pounds 5,850	6,153
Peanuts (see text)	farms 5	(NA)			
	acres 1	(NA)			
	pounds 302	(NA)			

Table 10. Vegetables and Melons Harvested for Sale: 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.]

Crop	2023	2018	Crop	2023	2018
	acres 1	(NA)		acres 7	(NA)
	pounds 246	110		pounds 40,350	(NA)
Beans, winged	farms 49	32	Muskmelons and pepinos	farms 6	8
	acres 13	6		acres 3	6
	pounds 22,828	6,453	Okra	pounds 10,600	19,460
Beans, yard long	farms 86	48		farms 85	50
	acres 53	21		acres 28	15
	pounds 114,546	82,563		pounds 58,785	22,176
Beans, all other	farms 14	7	Onions, green	farms 49	27
	acres 11	2		acres 7	3
	pounds 3,804	762		pounds 13,307	801
Bittermelons	farms 40	41	Peppers, hot	farms 219	110
	acres 16	19		acres 71	25
	pounds 123,167	122,770		pounds 66,934	28,661
Cabbage, Chinese	farms 13	14	Peppers, sweet	farms 23	4
	acres 4	4		acres 2	(D)
	pounds 3,880	9,730		pounds 982	(D)
Cabbage, head	farms -	1	Pumpkins and squash	farms 53	41
	acres -	(D)		acres 9	13
	pounds -	(D)		pounds 14,968	36,656
Cantaloupes	farms -	-	Radishes	farms 7	10
	acres -	-		acres 5	3
	pounds -	-		pounds 30,240	8,237
Corn (sweet) ¹	farms 11	9	Tomatoes	farms 95	55
	acres 41	34		acres 20	24
	pounds 60,294	91,530		pounds 100,728	152,182
Cucumbers	farms 78	53	Watermelons	farms 18	12
	acres 54	80		acres 26	45
	pounds 312,115	302,647		pounds 87,160	398,811
Eggplant	farms 162	97	Other vegetables and melons	farms 86	35
	acres 84	37		acres 44	15
	pounds 202,501	171,583		pounds 23,958	37,070

¹ Includes dry and green corn.

Table 11. Fruits and Nuts Harvested for Sale: 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.]

Crop	2023	2018	Crop	2023	2018
Land in bearing and nonbearing fruit and nut trees and plants			Lemons and limes		
..... farms	359	224	..... farms	247	161
..... acres	513	292	..... trees not of bearing age	1,100	2,774
Avocados			..... trees of bearing age	4,604	3,230
..... farms	206	122	..... pounds	72,158	44,563
..... trees not of bearing age	346	402	Mangoes		
..... trees of bearing age	835	500	..... farms	238	131
..... pounds	29,946	29,194	..... trees not of bearing age	453	1,576
Bananas (all types)			..... trees of bearing age	1,475	695
..... farms	289	157	..... pounds	25,790	74,343
..... trees not of bearing age	8,008	6,327	Oranges		
..... trees of bearing age	36,753	27,531	..... farms	30	19
..... pounds	126,518	443,379	..... trees not of bearing age	21	30
Betelnuts			..... trees of bearing age	219	48
..... farms	89	80	..... pounds	340	588
..... trees not of bearing age	1,862	30,787	Papayas		
..... trees of bearing age	6,307	33,234	..... farms	207	105
..... pounds	6,955	7,404	..... trees not of bearing age	545	8,551
Breadfruits			..... trees of bearing age	4,674	4,100
..... farms	149	89	..... pounds	29,613	61,269
..... trees not of bearing age	134	100	Pineapples		
..... trees of bearing age	1,011	898	..... farms	65	48
..... pounds	40,143	44,365	..... trees not of bearing age	283	1,660
Coconuts			..... trees of bearing age	2,865	4,107
..... farms	160	81	..... pounds	1,076	9,068
..... trees not of bearing age	3,017	1,068	Soursops		
..... trees of bearing age	3,151	2,507	..... farms	157	121
..... pounds	18,620	97,625	..... trees not of bearing age	151	1,052
Coffee			..... trees of bearing age	1,622	1,899
..... farms	18	8	..... pounds	26,106	27,250
..... trees not of bearing age	62	60	Starfruits		
..... trees of bearing age	111	11	..... farms	84	68
..... pounds	260	(D)	..... trees not of bearing age	22	54
Dragon Fruit			..... trees of bearing age	184	174
..... farms	70	51	..... pounds	1,962	4,605
..... trees not of bearing age	42	536	Sweetsops		
..... trees of bearing age	1,767	1,828	..... farms	112	55
..... pounds	19,011	11,054	..... trees not of bearing age	105	123
Grapefruit			..... trees of bearing age	812	347
..... farms	47	31	..... pounds	2,431	3,185
..... trees not of bearing age	25	142	Tangerines		
..... trees of bearing age	471	117	..... farms	43	46
..... pounds	1,705	3,429	..... trees not of bearing age	35	174
Guavas			..... trees of bearing age	466	332
..... farms	100	78	..... pounds	973	6,766
..... trees not of bearing age	81	(D)	Other fruits, nuts, and tree crops		
..... trees of bearing age	580	1,413	..... farms	131	54
..... pounds	8,209	5,434	..... trees not of bearing age	110	369
			..... trees of bearing age	676	358
			..... pounds	5,920	6,664

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	19	..... farms	7
..... acres in open field	5	..... acres in open field	(D)
..... sq. ft. under protection	5,935	..... sq. ft. under protection	1,680
..... dollars	431,260	..... dollars	4,300
Cut flowers/Cut florist greens		Potted flowering plants	
..... farms	9	..... farms	28
..... acres in open field	(D)	..... acres in open field	5
..... sq. ft. under protection	2,129	..... sq. ft. under protection	50,287
..... dollars	25,800	..... dollars	425,400
Foliage plants, indoor		Hemp	
..... farms	9	..... farms	-
..... acres in open field	2	..... acres in open field	-
..... sq. ft. under protection	49,260	..... sq. ft. under protection	-
..... dollars	1,020,720	..... dollars	-
Other floriculture and bedding			
..... farms	6		
..... acres in open field	3		
..... sq. ft. under protection	68,740		
..... dollars	220,000		

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
INVENTORY			SALES		
Livestock			Livestock		
Carabaos farms	2	8	Carabaos farms	-	-
..... number	(D) 20	20	..... number	-	-
Cattle and calves of all ages farms	37	21	Cattle and calves of all ages farms	8	16
..... number	237	97	..... number	20	33
Cows (see text) farms	35	(NA)	Cows (see text) farms	8	(NA)
..... number	214	(NA)	..... number	16	(NA)
All other cattle and calves farms	9	21	All other cattle and calves farms	4	16
..... number	23	97	..... number	4	33
Hogs and pigs of all ages farms	42	43	Hogs and pigs of all ages farms	17	43
..... number	1,011	540	..... number	128	540
Goats and kids of all ages farms	29	19	Goats and kids of all ages farms	5	6
..... number	512	171	..... number	10	55
Horses, mules, and colts of all ages farms	6	1	Horses, mules, and colts of all ages farms	-	-
..... number	28	(D)	..... number	-	-
Other livestock farms	11	1	Other livestock farms	5	-
..... number	209	(D)	..... number	8,000	-
Poultry			Poultry		
Chicken hens 4 months old or older farms	134	53	Chicken hens 4 months old or older farms	16	6
..... number	9,280	3,858	..... number	2,168	295
Commercial layers farms	111	27	Commercial layers farms	16	5
..... number	6,243	1,552	..... number	(D) 245	245
Other chicken hens farms	72	37	Other chicken hens farms	2	3
..... number	3,037	2,701	..... number	(D) 90	90
Chickens less than 4 months old farms	22	14	Chickens less than 4 months old farms	3	-
..... number	2,959	490	..... number	1,500	-
Roosters and pullets farms	78	12	Roosters and pullets farms	3	-
..... number	1,847	217	..... number	15	-
Ducks farms	32	12	Ducks farms	3	-
..... number	855	144	..... number	9	-
Pigeons farms	2	3	Pigeons farms	-	-
..... number	(D)	101	..... number	-	-
Other poultry farms	-	1	Chicken eggs farms	43	43
..... number	-	(D)	..... dozens	21,702	44,876
			Other poultry and poultry products (excluding chicken eggs) farms	-	-
			..... number	-	-

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 farms	15	6
..... number	(D)	13
Ponds farms	288	6
..... number	(D)	(D)
Tanks farms	(D)	(D)
Quantity sold or moved (pounds) farms	(D)	(D)
Sales (dollars) farms	(D)	(D)

Table 15. 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
FARMS AND LAND IN FARMS				
Farms .....number	583	549	10	24
Percent of farms	100.0	94.2	1.7	4.1
Land in farms .....acres	2,848	2,620	101	127
Percent of distribution	100.0	92.0	3.6	4.5
Average size of farm .....acres	4.9	4.8	10.1	5.3
LAND USE				
Total cropland .....farms	574	540	10	24
.....acres	1,776	1,605	68	103
Harvested .....farms	571	540	10	21
.....acres	1,373	1,232	65	76
Other .....farms	85	75	4	6
.....acres	402	373	3	27
Pasture or grazing land .....farms	62	58	2	2
.....acres	192	(D)	(D)	(D)
Woodland .....farms	49	43	4	2
.....acres	672	644	(D)	(D)
Other land .....farms	243	224	10	9
.....acres	209	(D)	(D)	(D)
IRRIGATION				
Land irrigated .....farms	414	389	6	19
.....acres	1,056	948	38	70
Private system .....farms	62	60	2	-
.....acres	69	(D)	(D)	-
Public system .....farms	366	343	4	19
.....acres	988	(D)	(D)	70
FARMS BY MAJOR SOURCE OF IRRIGATION WATER				
Well or cistern	10	8	2	-
River or stream	11	11	-	-
Lake or private pond	-	-	-	-
Canal or irrigation district	3	3	-	-
Public utility	315	297	4	14
Other	75	70	-	5
TENURE OF OPERATIONS				
Operation .....farms	583	549	10	24
.....acres	2,848	2,620	101	127
Owners .....farms	559	549	10	-
.....acres	2,721	2,620	101	-
Full owners .....farms	549	549	-	-
.....acres	2,620	2,620	-	-
Part owners .....farms	10	-	10	-
.....acres	101	-	101	-
Tenants .....farms	24	-	-	24
.....acres	127	-	-	127
FARMS BY SIZE				
Farms .....number	583	549	10	24
Less than 1 acre	181	177	-	4
1 to 2.9 acres	212	201	4	7
3 to 4.9 acres	45	45	-	-
5 to 7.9 acres	61	54	-	7
8 to 9.9 acres	12	12	-	-
10 to 19.9 acres	35	25	4	6
20 acres or more	37	35	2	-
PRODUCER CHARACTERISTICS				
Producers by place of residence:				
On farm operated	320	306	4	10
Not on farm operated	263	243	6	14
Producers by years on present farm:				
2 years or less	60	60	-	-
3 to 4 years	85	75	6	4
5 to 9 years	127	121	-	6
10 years or more	311	293	4	14
Producers by age group:				
Under 35 years	30	25	2	3
35 to 44 years	54	49	-	5
45 to 54 years	110	108	-	2
55 to 64 years	172	164	-	8
65 years and over	217	203	8	6
Average age	59	59	62	54
Producers by main occupation:				
Agricultural	384	364	6	14
Nonagricultural	199	185	4	10
Producers by days of work off farm:				
None	186	176	4	6
Any	397	373	6	18
1 to 49 days	30	28	2	-
50 to 99 days	13	11	2	-
100 to 149 days	22	22	-	-
150 to 199 days	30	30	-	-
200 days or more	302	282	2	18

See footnote(s) at end of table.

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Table 15. 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
PRODUCER CHARACTERISTICS - Con.				
Producers of Hispanic, Latino, or Spanish origin (see text)	51	51	-	-
Producers by race ¹ :				
American Indian or Alaska Native (see text)	-	-	-	-
Asian ² (see text)	155	142	-	13
Asian Indian (see text)	2	2	-	-
Chinese	9	7	-	2
Filipino	100	93	-	7
Japanese	9	9	-	-
Korean (see text)	14	12	-	2
Vietnamese(see text)	6	6	-	-
Other Asian (see text)	17	15	-	2
Black or African American (see text)	2	2	-	-
Native Hawaiian or Other Pacific Islander ² (see text)				
Native Hawaiian (see text)	427	404	10	13
Carolinian (see text)	-	-	-	-
Chamorro	415	392	10	13
Samoan (see text)	-	-	-	-
Other Pacific Islander (see text)	12	12	-	-
White	50	48	2	-
Producers by sex:				
Male	382	361	10	11
Female	201	188	-	13
NUMBER OF TOTAL PRODUCERS (SEE TEXT)				
Total producers	1,037	983	16	38
Farms by number of producers				
1 producer	296	274	6	16
2 producers	202	195	2	5
3 producers	46	44	2	-
4 producers	19	16	-	3
5 or more producers	20	20	-	-
Total male producers ³ (see text)				
Total male producers ³ (see text)	620	589	14	17
Farms by number of male producers				
1 producer	393	376	6	11
2 producers	66	59	4	3
3 producers	16	16	-	-
4 producers	5	5	-	-
5 or more producers	5	5	-	-
Total female producers ³ (see text)				
Total female producers ³ (see text)	417	394	2	21
Farms by number of female producers				
1 producer	290	273	2	15
2 producers	43	40	-	3
3 producers	6	6	-	-
4 producers	2	2	-	-
5 or more producers	3	3	-	-
COMPUTER USE				
Computers used for the farm business	169	162	2	5
No computers used for the farm business	414	387	8	19
Internet access				
Internet access	517	487	10	20
Dial-up service	-	-	-	-
Broadband (DSL, cable, fiber optic) (see text)	220	209	6	5
Cellular data plan (see text)	484	456	10	18
Satellite service	51	51	-	-
Other	-	-	-	-
Don't know (see text)	14	12	-	2
No internet access	66	62	-	4
LABOR STATUS				
Farms	583	549	10	24
Unpaid labor				
Unpaid labor	1,703	1,600	14	89
Less than 25 days	486	455	10	21
25 to 149 days	1,195	1,107	14	74
150 days or more	46	41	2	3
Less than 25 days	131	111	(D)	(D)
25 to 149 days	113	106	2	5
150 days or more	370	354	(D)	(D)
Paid labor	387	368	6	13
Less than 25 days	694	642	(D)	(D)
25 to 149 days	121	118	-	3
150 days or more	508	493	-	15
Less than 25 days	26	23	-	3
25 to 149 days	73	67	-	6
150 days or more	34	31	-	3
Paid labor	153	150	-	3
Less than 25 days	99	96	-	3
25 to 149 days	282	276	-	6
150 days or more				
SELECTED MACHINERY AND EQUIPMENT				
Tractors (all kinds)	77	70	-	7
Motortrucks	112	105	-	7
Automobiles	229	209	8	12
Tractors (all kinds)	300	277	8	15
Motortrucks	269	250	4	15
Automobiles	376	351	4	21

See footnote(s) at end of table.

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Table 15. 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
SELECTED MACHINERY AND EQUIPMENT - Con.				
Tillers (all kinds) .....farms	157	140	2	15
.....number	268	245	(D)	(D)
MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD				
Total sales .....farms	583	549	10	24
.....dollars	6,162,085	5,981,285	22,200	158,600
Average per farm .....dollars	10,570	10,895	2,220	6,608
Farms by value of sales:				
Less than \$1,200 .....farms	428	409	6	13
.....dollars	40,448	40,448	-	-
\$1,200 to \$2,499 .....farms	26	26	-	-
.....dollars	45,732	45,732	-	-
\$2,500 to \$4,999 .....farms	28	26	2	-
.....dollars	95,700	(D)	(D)	-
\$5,000 to \$7,499 .....farms	19	15	-	4
.....dollars	116,142	90,142	-	26,000
\$7,500 to \$9,999 .....farms	9	7	2	-
.....dollars	74,400	(D)	(D)	-
\$10,000 or more .....farms	73	66	-	7
.....dollars	5,789,663	5,657,063	-	132,600
SALES BY COMMODITY GROUP OR PRODUCT				
Root crops .....farms	40	40	-	-
.....dollars	(D)	(D)	-	-
Vegetables and melons .....farms	134	127	2	5
.....dollars	2,636,157	2,531,857	(D)	(D)
Fruits and nuts .....farms	125	119	2	4
.....dollars	(D)	(D)	(D)	(D)
Nursery crops and hemp (including ornamental plants) (see text) .....farms	29	27	-	2
.....dollars	2,127,480	(D)	-	(D)
Livestock and livestock products .....farms	30	26	2	2
.....dollars	388,300	346,700	(D)	(D)
Poultry and poultry products .....farms	51	51	-	-
.....dollars	236,949	236,949	-	-
Fish and other aquaculture products .....farms	3	3	-	-
.....dollars	(D)	(D)	-	-
Value of processed or value-added agricultural products (see text) .....farms	37	35	2	-
.....dollars	86,870	(D)	(D)	-
SELECTED FARM PRODUCTION EXPENSES				
Machine hire and customwork .....farms	74	69	-	5
.....dollars	343,162	327,162	-	16,000
Hired farm labor .....farms	95	92	-	3
.....dollars	2,004,676	1,974,676	-	30,000
Feed purchased for livestock, poultry, and fish .....farms	152	148	2	2
.....dollars	380,624	377,520	(D)	(D)
Insecticides, fungicides, and herbicides .....farms	145	136	2	7
.....dollars	118,476	107,176	(D)	(D)
Fertilizers and manure purchased .....farms	265	257	2	6
.....dollars	341,910	319,660	(D)	(D)
Livestock, poultry, and fish purchased .....farms	40	40	-	-
.....dollars	84,100	84,100	-	-
Seed costs (including seedlings) .....farms	180	171	2	7
.....dollars	157,553	146,293	(D)	(D)
Gasoline, fuels and oils purchased (see text) .....farms	335	318	4	13
.....dollars	681,074	663,984	10,600	6,490
Water (see text) .....farms	331	310	4	17
.....dollars	710,178	653,678	2,800	53,700
Transportation costs (excluding fuel expenses) (see text) .....farms	153	147	4	2
.....dollars	386,186	384,946	(D)	(D)
Repairs, supplies, and maintenance costs (see text) .....farms	220	203	4	13
.....dollars	1,619,564	1,487,264	36,000	96,300
ROOT CROPS HARVESTED FOR SALE				
Cassava (tapioca) .....farms	36	36	-	-
.....acres	4	4	-	-
.....pounds	2,305	2,305	-	-
Gado .....farms	-	-	-	-
.....acres	-	-	-	-
.....pounds	-	-	-	-
Ginger .....farms	49	47	2	-
.....acres	7	(D)	(D)	-
.....pounds	1,586	(D)	(D)	-
Jicama (see text) .....farms	6	6	-	-
.....acres	1	1	-	-
.....pounds	330	330	-	-
Peanuts (see text) .....farms	5	5	-	-
.....acres	1	1	-	-
.....pounds	302	302	-	-
Sweet potatoes .....farms	70	68	2	-
.....acres	17	(D)	(D)	-
.....pounds	8,227	(D)	(D)	-
Taro .....farms	79	77	2	-
.....acres	13	(D)	(D)	-
.....pounds	8,005	(D)	(D)	-
Yamsfarms	56	56	-	-
.....acres	12	12	-	-
.....pounds	9,790	9,790	-	-

See footnote(s) at end of table.

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Table 15. 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
ROOT CROPS HARVESTED FOR SALE - Con.				
Other root crops .....farms	15	15	-	-
acres	8	8	-	-
pounds	5,850	5,850	-	-
VEGETABLES AND MELONS HARVESTED FOR SALE				
Alfalfa and/or bean sprouts (see text) .....farms	10	10	-	-
acres	1	1	-	-
pounds	246	246	-	-
Beans, winged .....farms	49	46	-	3
acres	13	12	-	1
pounds	22,828	21,928	-	900
Beans, yard long .....farms	86	82	2	2
acres	53	(D)	(D)	(D)
pounds	114,546	110,586	(D)	(D)
Beans, all other .....farms	14	14	-	-
acres	11	11	-	-
pounds	3,804	3,804	-	-
Bittermelons .....farms	40	35	2	3
acres	16	(D)	(D)	(D)
pounds	123,167	114,087	(D)	(D)
Cabbage, Chinese .....farms	13	13	-	-
acres	4	4	-	-
pounds	3,880	3,880	-	-
Cabbage, head .....farms	-	-	-	-
acres	-	-	-	-
pounds	-	-	-	-
Cantaloupes .....farms	-	-	-	-
acres	-	-	-	-
pounds	-	-	-	-
Corn (sweet) ⁴ .....farms	11	11	-	-
acres	41	41	-	-
pounds	60,294	60,294	-	-
Cucumbers .....farms	78	71	2	5
acres	54	53	(D)	(D)
pounds	312,115	299,035	(D)	(D)
Eggplant .....farms	162	151	4	7
acres	84	82	(Z)	1
pounds	202,501	185,031	440	17,030
Herbs (see text) .....farms	48	46	-	2
acres	7	(D)	-	(D)
pounds	40,350	(D)	-	(D)
Muskmelons and pepinos .....farms	6	6	-	-
acres	3	3	-	-
pounds	10,600	10,600	-	-
Okra .....farms	85	85	-	-
acres	28	28	-	-
pounds	58,785	58,785	-	-
Onions, green .....farms	49	47	-	2
acres	7	(D)	-	(D)
pounds	13,307	(D)	-	(D)
Peppers, hot .....farms	219	211	4	4
acres	71	70	(Z)	1
pounds	66,934	63,806	228	2,900
Peppers, sweet .....farms	23	23	-	-
acres	2	2	-	-
pounds	982	982	-	-
Pumpkins and squash .....farms	53	46	-	7
acres	9	7	-	2
pounds	14,968	11,108	-	3,860
Radishes .....farms	7	7	-	-
acres	5	5	-	-
pounds	30,240	30,240	-	-
Tomatoes .....farms	95	91	2	2
acres	20	(D)	(D)	(D)
pounds	100,728	93,078	(D)	(D)
Watermelons .....farms	18	15	-	3
acres	26	25	-	(Z)
pounds	87,160	84,160	-	3,000
Other vegetables and melons .....farms	86	80	-	6
acres	44	43	-	1
pounds	23,958	23,448	-	510
FRUITS AND NUTS HARVESTED FOR SALE				
Land in bearing and nonbearing fruit trees and plants .....farms	359	336	10	13
acres	513	448	36	28
Avocados .....farms	206	195	4	7
trees not of bearing age	346	256	(D)	(D)
trees of bearing age	835	819	(D)	(D)
pounds	29,946	29,318	(D)	(D)
Bananas (all types) .....farms	289	275	6	8
trees not of bearing age	8,008	(D)	-	(D)
trees of bearing age	36,753	36,195	238	320
pounds	126,518	119,646	5,072	1,800
Betelnuts .....farms	89	87	2	-
trees not of bearing age	1,862	1,862	-	-
trees of bearing age	6,307	(D)	(D)	-
pounds	6,955	(D)	(D)	-
Breadfruits .....farms	149	145	4	-
trees not of bearing age	134	134	-	-
trees of bearing age	1,011	995	16	-
pounds	40,143	39,843	300	-
Coconuts .....farms	160	151	4	5
trees not of bearing age	3,017	2,297	-	720
trees of bearing age	3,151	2,985	166	-
pounds	18,620	(D)	(D)	-

See footnote(s) at end of table.

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Table 15. 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
FRUITS AND NUTS HARVESTED FOR SALE - Con.				
Coffee .....farms	18	18	-	-
trees not of bearing age	62	62	-	-
trees of bearing age	111	111	-	-
pounds	260	260	-	-
Dragon fruit .....farms	70	70	-	-
trees not of bearing age	42	42	-	-
trees of bearing age	1,767	1,767	-	-
pounds	19,011	19,011	-	-
Grapefruit .....farms	47	47	-	-
trees not of bearing age	25	25	-	-
trees of bearing age	471	471	-	-
pounds	1,705	1,705	-	-
Guavas .....farms	100	98	2	-
trees not of bearing age	81	81	-	-
trees of bearing age	580	(D)	(D)	-
pounds	8,209	(D)	(D)	-
Lemons and limes .....farms	247	230	8	9
trees not of bearing age	1,100	1,040	-	60
trees of bearing age	4,604	4,146	450	8
pounds	72,158	41,608	30,480	70
Mangoes .....farms	238	230	2	6
trees not of bearing age	453	(D)	-	(D)
trees of bearing age	1,475	1,447	(D)	(D)
pounds	25,790	(D)	-	(D)
Oranges .....farms	30	28	-	2
trees not of bearing age	21	21	-	-
trees of bearing age	219	(D)	-	(D)
pounds	340	(D)	-	(D)
Papayas .....farms	207	197	4	6
trees not of bearing age	545	545	-	-
trees of bearing age	4,674	4,392	20	262
pounds	29,613	25,373	(D)	(D)
Pineapples .....farms	65	63	-	2
plants not of bearing age	283	(D)	-	(D)
plants of bearing age	2,865	2,865	-	-
pounds	1,076	1,076	-	-
Soursops .....farms	157	153	-	4
vines not of bearing age	151	(D)	-	(D)
vines of bearing age	1,622	(D)	-	(D)
pounds	26,106	26,106	-	-
Starfruits .....farms	84	82	2	-
trees not of bearing age	22	22	-	-
trees of bearing age	184	(D)	(D)	-
pounds	1,962	1,962	-	-
Sweetsops .....farms	112	110	2	-
trees not of bearing age	105	105	-	-
trees of bearing age	812	(D)	(D)	-
pounds	2,431	2,431	-	-
Tangerines .....farms	43	43	-	-
trees not of bearing age	35	35	-	-
trees of bearing age	466	466	-	-
pounds	973	973	-	-
Other fruits, nuts, and tree crops .....farms	131	127	-	4
plants or trees not of bearing age	110	110	-	-
plants or trees of bearing age	676	646	-	30
pounds	5,920	5,540	-	380
NURSERY CROPS AND HEMP (INCLUDING ORNAMENTAL PLANTS) (SEE TEXT)				
Bedding/Garden Plants (see text) .....farms	19	17	-	2
acres in open field	5	5	-	-
sq. ft. under protection	5,935	(D)	-	(D)
Cut flowers/Cut florist greens (see text) .....farms	9	7	-	2
acres in open field	(D)	(D)	-	-
sq. ft. under protection	2,129	(D)	-	(D)
Foliage plants, indoor (see text) .....farms	9	9	-	-
acres in open field	2	2	-	-
sq. ft. under protection	49,260	49,260	-	-
Other floriculture and bedding (see text) .....farms	6	6	-	-
acres in open field	3	3	-	-
sq. ft. under protection	68,740	68,740	-	-
Nursery stock (see text) .....farms	7	7	-	-
acres in open field	(D)	(D)	-	-
sq. ft. under protection	1,680	1,680	-	-
Potted flowering plants (see text) .....farms	28	26	-	2
acres in open field	5	5	-	-
sq. ft. under protection	50,287	(D)	-	(D)
Hemp (see text) .....farms	-	-	-	-
acres in open field	-	-	-	-
sq. ft. under protection	-	-	-	-
LIVESTOCK, POULTRY, AQUACULTURE AND THEIR PRODUCTS				
Inventory				
Carabaos .....farms	2	2	-	-
number	(D)	(D)	-	-
All cattle and calves .....farms	37	35	2	-
number	237	(D)	(D)	-
Cows (see text) .....farms	35	33	2	-
number	214	(D)	(D)	-
Other cattle and calves .....farms	9	9	-	-
number	23	23	-	-
Hogs and pigs of all ages .....farms	42	38	2	2
number	1,011	781	(D)	(D)
Goats and kids of all agesfarms	29	29	-	-
number	512	512	-	-

See footnote(s) at end of table.

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Table 15. 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
LIVESTOCK, POULTRY, AQUACULTURE AND THEIR PRODUCTS - Con.				
Inventory - Con.				
Horses, mules, and colts of all ages .....farms	6	6	-	-
.....number	28	28	-	-
Other livestock .....farms	11	11	-	-
.....number	209	209	-	-
Chicken hens 4 months old or older .....farms	134	129	2	3
.....number	9,280	(D)	(D)	300
Commercial layers .....farms	111	106	2	3
.....number	6,243	(D)	(D)	300
Other chicken hens .....farms	72	70	2	-
.....number	3,037	(D)	(D)	-
Chickens under 4 months old .....farms	22	22	-	-
.....number	2,959	2,959	-	-
Roosters and pullets .....farms	78	76	2	-
.....number	1,847	(D)	(D)	-
Ducks .....farms	32	32	-	-
.....number	855	855	-	-
Pigeons .....farms	2	2	-	-
.....number	(D)	(D)	-	-
Other poultry .....farms	-	-	-	-
.....number	-	-	-	-
Sales				
Carabaos .....farms	-	-	-	-
.....number	-	-	-	-
All cattle and calves .....farms	8	8	-	-
.....number	20	20	-	-
Cows (see text) .....farms	8	8	-	-
.....number	16	16	-	-
Other cattle and calves .....farms	4	4	-	-
.....number	4	4	-	-
Hogs and pigs of all ages .....farms	17	13	2	2
.....number	128	90	(D)	(D)
Goats and kids of all ages .....farms	5	5	-	-
.....number	10	10	-	-
Horses, mules, and colts of all ages .....farms	-	-	-	-
.....number	-	-	-	-
Other livestock .....farms	5	5	-	-
.....number	8,000	8,000	-	-
Chicken hens 4 months old or older .....farms	16	16	-	-
.....number	2,168	2,168	-	-
Commercial layers .....farms	16	16	-	-
.....number	(D)	(D)	-	-
Other chicken hens .....farms	2	2	-	-
.....number	(D)	(D)	-	-
Chickens under 4 months old .....farms	3	3	-	-
.....number	1,500	1,500	-	-
Roosters and pullets .....farms	3	3	-	-
.....number	15	15	-	-
Ducks .....farms	3	3	-	-
.....number	9	9	-	-
Pigeons .....farms	-	-	-	-
.....number	-	-	-	-
Chicken eggs .....farms	43	43	-	-
.....dozens	21,702	21,702	-	-
Other poultry and poultry products (excluding chicken eggs) .....farms	-	-	-	-
.....number	-	-	-	-
Fish and other aquaculture products .....farms	15	15	-	-
.....pounds	(D)	(D)	-	-

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

Table 16. 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
FARMS AND LAND IN FARMS						
Farms .....number	583	30	54	110	172	217
Percent of farms	100.0	5.1	9.3	18.9	29.5	37.2
Land in farms .....acres	2,848	102	221	723	819	984
Percent of distribution	100.0	3.6	7.8	25.4	28.8	34.5
Average size of farm .....acres	4.9	3.4	4.1	6.6	4.8	4.5
LAND USE						
Total cropland .....farms	574	30	53	108	170	213
.....acres	1,776	62	183	300	574	656
Harvested .....farms	571	30	50	108	170	213
.....acres	1,373	(D)	(D)	187	407	557
Other .....farms	85	2	10	18	36	19
.....acres	402	(D)	(D)	113	168	99
Pasture or grazing land .....farms	62	3	6	7	22	24
.....acres	192	5	31	7	89	60
Woodland .....farms	49	5	-	4	10	30
.....acres	672	14	-	392	77	190
Other land .....farms	243	18	13	34	87	91
.....acres	209	22	6	24	79	78
IRRIGATION						
Land irrigated .....farms	414	17	37	74	123	163
.....acres	1,056	12	151	118	317	458
Private system .....farms	62	5	1	14	15	27
.....acres	69	(D)	(D)	24	11	27
Public system .....farms	366	12	36	62	108	148
.....acres	988	(D)	(D)	94	305	431
FARMS BY MAJOR SOURCE OF IRRIGATION WATER						
Well or cistern	10	-	-	2	4	4
River or stream	11	-	-	2	3	6
Lake or private pond	-	-	-	-	-	-
Canal or irrigation district	3	-	-	-	3	-
Public utility	315	9	37	52	97	120
Other	75	8	-	18	16	33
TENURE OF OPERATIONS						
Operation .....farms	583	30	54	110	172	217
.....acres	2,848	102	221	723	819	984
Owners .....farms	559	27	49	108	164	211
.....acres	2,721	(D)	214	(D)	743	(D)
Full owners .....farms	549	25	49	108	164	203
.....acres	2,620	(D)	214	(D)	743	906
Part owners .....farms	10	2	-	-	-	8
.....acres	101	(D)	-	-	-	(D)
Tenants .....farms	24	3	5	2	8	6
.....acres	127	(D)	7	(D)	76	(D)
FARMS BY SIZE						
Farms .....number	583	30	54	110	172	217
Less than 1 acre	181	14	26	40	59	42
1 to 2.9 acres	212	6	14	38	53	101
3 to 4.9 acres	45	-	2	12	11	20
5 to 7.9 acres	61	8	2	13	22	16
8 to 9.9 acres	12	-	1	-	5	6
10 to 19.9 acres	35	2	3	2	9	19
20 acres or more	37	-	6	5	13	13
PRODUCER CHARACTERISTICS						
Producers by place of residence:						
On farm operated	320	13	26	49	98	134
Not on farm operated	263	17	28	61	74	83
Producers by years on present farm:						
2 years or less	60	7	5	19	19	10
3 to 4 years	85	11	9	17	27	21
5 to 9 years	127	12	30	22	30	33
10 years or more	311	-	10	52	96	153
Producers by age group:						
Under 35 years	30	30	-	-	-	-
35 to 44 years	54	-	54	-	-	-
45 to 54 years	110	-	-	110	-	-
55 to 64 years	172	-	-	-	172	-
65 years and over	217	-	-	-	-	217
Average age	59	28	39	51	60	71
Producers by main occupation:						
Agricultural	384	8	23	58	109	186
Nonagricultural	199	22	31	52	63	31
Producers by days of work off farm:						
None	186	-	11	22	61	92
Any	397	30	43	88	111	125
1 to 49 days	30	2	5	2	7	14
50 to 99 days	13	4	-	2	2	5
100 to 149 days	22	2	3	2	7	8
150 to 199 days	30	7	-	10	7	6
200 days or more	302	15	35	72	88	92

See footnote(s) at end of table.

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Table 16. 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
PRODUCER CHARACTERISTICS - Con.						
Producers of Hispanic, Latino, or Spanish origin (see text)	51	-	-	10	10	31
Producers by race ¹ :						
American Indian or Alaska Native (see text)	-	-	-	-	-	-
Asian ² (see text)	155	7	19	27	53	49
Asian Indian (see text)	2	-	-	2	-	-
Chinese	9	2	-	5	2	-
Filipino	100	3	11	13	44	29
Japanese	9	-	-	3	-	6
Korean (see text)	14	-	2	-	-	12
Vietnamese(see text)	6	-	3	-	3	-
Other Asian (see text)	17	2	3	4	6	2
Black or African American (see text)	2	-	-	-	2	-
Native Hawaiian or Other Pacific Islander ² (see text)						
Native Hawaiian (see text)	427	23	42	77	112	173
Carolinian (see text)	-	-	-	-	-	-
Chamorro	415	21	39	75	110	170
Samoan (see text)	-	-	-	-	-	-
Other Pacific Islander (see text)	12	2	3	2	2	3
White	50	-	4	8	21	17
Producers by sex:						
Male	382	13	28	80	107	154
Female	201	17	26	30	65	63
NUMBER OF TOTAL PRODUCERS (SEE TEXT)						
Total producers	1,037	69	138	192	287	351
Farms by number of producers						
1 producer	296	9	19	61	98	109
2 producers	202	9	17	30	59	87
3 producers	46	9	5	11	5	16
4 producers	19	-	10	4	-	5
5 or more producers	20	3	3	4	10	-
Total male producers ³ (see text)						
Total male producers ³ (see text)	620	40	75	129	165	211
Farms by number of male producers						
1 producer	393	20	30	80	115	148
2 producers	66	4	15	7	19	21
3 producers	16	-	-	9	-	7
4 producers	5	3	-	2	-	-
5 or more producers	5	-	3	-	2	-
Total female producers ³ (see text)						
Total female producers ³ (see text)	417	29	63	63	122	140
Farms by number of female producers						
1 producer	290	15	24	43	80	128
2 producers	43	7	12	10	8	6
3 producers	6	-	-	-	6	-
4 producers	2	-	-	-	2	-
5 or more producers	3	-	3	-	-	-
COMPUTER USE						
Computers used for the farm business	169	9	19	46	41	54
No computers used for the farm business	414	21	35	64	131	163
Internet access						
Internet access	517	30	54	102	148	183
Dial-up service	-	-	-	-	-	-
Broadband (DSL, cable, fiber optic) (see text)	220	4	28	47	71	70
Cellular data plan (see text)	484	30	53	98	139	164
Satellite service	51	11	2	13	12	13
Other	-	-	-	-	-	-
Don't know (see text)	14	-	1	4	-	9
No internet access	66	-	-	8	24	34
LABOR STATUS						
Farms	583	30	54	110	172	217
Unpaid labor						
Unpaid labor	1,703	87	213	304	546	553
Less than 25 days	486	30	46	99	143	168
25 to 149 days	1,195	87	167	256	334	351
150 days or more	46	2	5	8	10	21
Workers	131	(D)	21	(D)	40	52
Farms	113	9	23	22	27	32
Workers	370	(D)	104	(D)	75	94
Farms	387	21	28	80	127	131
Workers	694	62	42	166	219	205
Paid labor						
Paid labor	121	-	8	15	36	62
Less than 25 days	508	-	46	48	212	202
25 to 149 days	26	-	2	8	10	6
150 days or more	73	-	(D)	(D)	(D)	15
Workers	34	-	2	2	13	17
Farms	153	-	(D)	(D)	(D)	85
Workers	99	-	8	7	32	52
Farms	282	-	(D)	(D)	116	102
SELECTED MACHINERY AND EQUIPMENT						
Tractors (all kinds)	77	2	5	24	16	30
Motortrucks	112	(D)	(D)	43	26	34
Automobiles	229	9	21	45	69	85
Tractors (all kinds)	300	9	32	55	91	113
Motortrucks	269	16	26	48	63	116
Automobiles	376	16	48	68	98	146

See footnote(s) at end of table.

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Table 16. 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
SELECTED MACHINERY AND EQUIPMENT - Con.						
Tillers (all kinds) .....farms	157	10	15	28	48	56
.....number	268	19	25	64	71	89
MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD						
Total sales .....farms	583	30	54	110	172	217
.....dollars	6,162,085	980	1,823,247	1,388,956	2,126,458	822,444
Average per farm .....dollars	10,570	33	33,764	12,627	12,363	3,790
Farms by value of sales:						
Less than \$1,200 .....farms	428	30	38	86	120	154
.....dollars	40,448	980	(D)	(D)	10,460	(D)
\$1,200 to \$2,499 .....farms	26	-	-	2	11	13
.....dollars	45,732	-	-	(D)	(D)	22,902
\$2,500 to \$4,999 .....farms	28	-	2	2	12	12
.....dollars	95,700	-	(D)	(D)	36,940	44,800
\$5,000 to \$7,499 .....farms	19	-	4	3	2	10
.....dollars	116,142	-	22,000	(D)	(D)	65,942
\$7,500 to \$9,999 .....farms	9	-	-	-	2	7
.....dollars	74,400	-	-	-	(D)	(D)
\$10,000 or more .....farms	73	-	10	17	25	21
.....dollars	5,789,663	-	1,792,567	1,354,036	2,028,428	614,632
SALES BY COMMODITY GROUP OR PRODUCT						
Root crops .....farms	40	-	3	12	9	16
.....dollars	(D)	-	(D)	(D)	14,040	(D)
Vegetables and melons .....farms	134	2	9	21	46	56
.....dollars	2,636,157	(D)	(D)	1,060,680	1,020,770	494,915
Fruits and nuts .....farms	125	7	7	23	28	60
.....dollars	(D)	(D)	(D)	116,180	190,538	213,700
Nursery crops and hemp (including ornamental plants) (see text) .....farms	29	-	3	10	12	4
.....dollars	2,127,480	-	1,600,500	56,600	455,660	14,720
Livestock and livestock products .....farms	30	-	2	-	12	16
.....dollars	388,300	-	(D)	-	308,700	(D)
Poultry and poultry products .....farms	51	-	8	6	22	15
.....dollars	236,949	-	25,430	60,680	127,990	22,849
Fish and other aquaculture products .....farms	3	-	2	1	-	-
.....dollars	(D)	-	(D)	(D)	-	-
Value of processed or value-added agricultural products (see text) .....farms	37	-	2	10	11	14
.....dollars	86,870	-	(D)	66,100	8,760	(D)
SELECTED FARM PRODUCTION EXPENSES						
Machine hire and customwork .....farms	74	2	10	14	26	22
.....dollars	343,162	(D)	(D)	85,560	202,412	29,330
Hired farm labor .....farms	95	-	8	9	35	43
.....dollars	2,004,676	-	927,720	166,600	644,736	265,620
Feed purchased for livestock, poultry, and fish .....farms	152	-	19	32	41	60
.....dollars	380,624	-	70,598	56,456	76,786	176,784
Insecticides, fungicides, and herbicides .....farms	145	4	11	30	44	56
.....dollars	118,476	4,040	20,750	23,488	57,779	12,419
Fertilizers and manure purchased .....farms	265	6	21	48	79	111
.....dollars	341,910	22,100	28,154	91,040	50,737	149,879
Livestock, poultry, and fish purchased .....farms	40	-	6	14	13	7
.....dollars	84,100	-	(D)	46,960	12,640	(D)
Seed costs (including seedlings) .....farms	180	9	19	27	56	69
.....dollars	157,553	12,700	24,250	28,428	33,030	59,145
Gasoline, fuels and oils purchased (see text) .....farms	335	14	35	65	89	132
.....dollars	681,074	25,638	91,146	92,100	337,670	134,520
Water (see text) .....farms	331	10	32	55	97	137
.....dollars	710,178	25,700	98,940	170,132	177,706	237,700
Transportation costs (excluding fuel expenses) (see text) .....farms	153	4	18	34	49	48
.....dollars	386,186	1,400	35,266	53,340	168,030	128,150
Repairs, supplies, and maintenance costs (see text) .....farms	220	9	20	43	63	85
.....dollars	1,619,564	37,350	531,796	126,780	361,834	561,804
ROOT CROPS HARVESTED FOR SALE						
Cassava (tapioca) .....farms	36	-	5	2	19	10
.....acres	4	-	(D)	(D)	(D)	1
.....pounds	2,305	-	(D)	(D)	1,200	605
Gado .....farms	-	-	-	-	-	-
.....acres	-	-	-	-	-	-
.....pounds	-	-	-	-	-	-
Ginger .....farms	49	5	2	8	19	15
.....acres	7	(D)	(D)	(D)	3	2
.....pounds	1,586	(D)	(D)	244	537	692
Jicama (see text) .....farms	6	-	-	4	2	-
.....acres	1	-	-	(D)	(D)	-
.....pounds	330	-	-	(D)	(D)	-
Peanuts (see text) .....farms	5	-	1	4	-	-
.....acres	1	-	(D)	(D)	-	-
.....pounds	302	-	(D)	(D)	-	-
Sweet potatoes .....farms	70	2	3	14	21	30
.....acres	17	(D)	(Z)	(D)	7	7
.....pounds	8,227	(D)	(D)	1,976	1,960	3,767
Taro .....farms	79	3	3	16	21	36
.....acres	13	(Z)	(Z)	3	2	7
.....pounds	8,005	60	90	2,038	1,142	4,675
Yams .....farms	56	-	11	6	14	25
.....acres	12	-	2	1	5	4
.....pounds	9,790	-	2,750	880	2,450	3,710

See footnote(s) at end of table.

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Table 16. 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
ROOT CROPS HARVESTED FOR SALE - Con.						
Other root crops .....farms	15	-	2	2	5	6
acres	8	-	(D)	(D)	(D)	5
pounds	5,850	-	(D)	(D)	3,040	2,740
VEGETABLES AND MELONS HARVESTED FOR SALE						
Alfalfa and/or bean sprouts (see text) .....farms	10	-	2	2	6	-
acres	1	-	(D)	(D)	(D)	-
pounds	246	-	(D)	(D)	140	-
Beans, winged .....farms	49	-	3	15	17	14
acres	13	-	(Z)	4	6	3
pounds	22,828	-	150	1,483	19,726	1,469
Beans, yard long .....farms	86	2	9	14	32	29
acres	53	(D)	(D)	3	(D)	12
pounds	114,546	(D)	30,192	(D)	37,759	12,335
Beans, all other .....farms	14	2	-	6	2	4
acres	11	(D)	-	(D)	(D)	4
pounds	3,804	(D)	-	1,720	(D)	2,024
Bittermelons .....farms	40	-	-	2	17	21
acres	16	-	-	(D)	(D)	5
pounds	123,167	-	-	(D)	110,534	(D)
Cabbage, Chinese .....farms	13	-	3	-	5	5
acres	4	-	(Z)	-	3	1
pounds	3,880	-	110	-	3,160	610
Cabbage, head .....farms	-	-	-	-	-	-
acres	-	-	-	-	-	-
pounds	-	-	-	-	-	-
Cantaloupes .....farms	-	-	-	-	-	-
acres	-	-	-	-	-	-
pounds	-	-	-	-	-	-
Corn (sweet) ⁴ .....farms	11	-	-	5	4	2
acres	41	-	-	(D)	(Z)	(D)
pounds	60,294	-	-	190	(D)	(D)
Cucumbers .....farms	78	2	10	14	24	28
acres	54	(D)	(D)	10	16	23
pounds	312,115	(D)	(D)	150,300	80,455	44,430
Eggplant .....farms	162	4	13	23	54	68
acres	84	2	4	13	41	24
pounds	202,501	24,040	3,292	44,968	99,276	30,925
Herbs (see text) .....farms	48	2	7	6	14	19
acres	7	(D)	(D)	1	3	2
pounds	40,350	(D)	(D)	(D)	37,043	2,531
Muskmelons and pepinos .....farms	6	-	-	4	-	2
acres	3	-	-	(D)	-	(D)
pounds	10,600	-	-	(D)	-	(D)
Okra .....farms	85	2	6	13	32	32
acres	28	(D)	(D)	5	7	16
pounds	58,785	(D)	(D)	37,588	9,804	11,173
Onions, green .....farms	49	3	5	8	13	20
acres	7	1	1	1	2	4
pounds	13,307	60	62	2,062	6,998	4,125
Peppers, hot .....farms	219	7	13	38	69	92
acres	71	2	1	14	34	21
pounds	66,934	124	880	25,197	26,857	13,876
Peppers, sweet .....farms	23	-	3	6	6	8
acres	2	-	(Z)	(Z)	1	1
pounds	982	-	150	280	452	100
Pumpkins and squash .....farms	53	-	2	8	22	21
acres	9	-	(D)	(D)	5	2
pounds	14,968	-	(D)	6,472	5,880	(D)
Radishes .....farms	7	-	3	-	-	4
acres	5	-	3	-	-	2
pounds	30,240	-	30,000	-	-	240
Tomatoes .....farms	95	2	5	18	30	40
acres	20	(D)	(D)	2	6	10
pounds	100,728	(D)	(D)	35,690	33,885	29,033
Watermelons .....farms	18	-	-	11	3	4
acres	26	-	-	11	(Z)	14
pounds	87,160	-	-	80,160	3,000	4,000
Other vegetables and melons .....farms	86	4	4	17	32	29
acres	44	(Z)	(Z)	2	16	25
pounds	23,958	(D)	(D)	1,884	5,858	15,652
FRUITS AND NUTS HARVESTED FOR SALE						
Land in bearing and nonbearing fruit trees and plants .....farms	359	16	32	89	89	133
acres	513	41	67	91	118	196
Avocados .....farms	206	2	12	38	62	92
trees not of bearing age	346	-	23	36	70	217
trees of bearing age	835	(D)	(D)	109	331	349
pounds	29,946	-	1,450	5,417	5,382	17,697
Bananas (all types) .....farms	289	9	24	65	73	118
trees not of bearing age	8,008	230	76	554	170	6,978
trees of bearing age	36,753	185	662	5,906	9,309	20,691
pounds	126,518	1,960	5,800	28,406	14,522	75,830
Betelnuts .....farms	89	2	7	14	15	51
trees not of bearing age	1,862	-	66	380	-	1,416
trees of bearing age	6,307	(D)	120	132	(D)	5,963
pounds	6,955	(D)	(D)	420	360	5,835
Breadfruits .....farms	149	5	11	21	35	77
trees not of bearing age	134	3	17	6	12	96
trees of bearing age	1,011	(D)	110	144	(D)	658
pounds	40,143	-	810	5,540	11,183	22,610
Coconuts .....farms	160	8	10	18	43	81
trees not of bearing age	3,017	199	35	680	915	1,188
trees of bearing age	3,151	150	148	254	171	2,428
pounds	18,620	-	760	1,650	1,720	14,490

See footnote(s) at end of table.

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Table 16. 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
FRUITS AND NUTS HARVESTED FOR SALE - Con.						
Coffee .....farms	18	-	-	4	8	6
trees not of bearing age	62	-	-	(D)	(D)	36
trees of bearing age	111	-	-	36	45	30
pounds	260	-	-	(D)	(D)	-
Dragon fruit .....farms	70	-	6	13	29	22
trees not of bearing age	42	-	-	(D)	13	(D)
trees of bearing age	1,767	-	26	266	510	965
pounds	19,011	-	260	1,180	1,535	16,036
Grapefruit .....farms	47	-	3	2	12	30
trees not of bearing age	25	-	-	(D)	12	(D)
trees of bearing age	471	-	60	-	312	99
pounds	1,705	-	(D)	-	(D)	1,005
Guavas .....farms	100	4	12	6	31	47
trees not of bearing age	81	24	14	(D)	(D)	37
trees of bearing age	580	-	37	18	99	426
pounds	8,209	-	(D)	(D)	484	7,265
Lemons and limes .....farms	247	11	16	41	66	113
trees not of bearing age	1,100	36	164	111	123	666
trees of bearing age	4,604	424	292	441	1,638	1,809
pounds	72,158	(D)	(D)	4,190	8,479	57,025
Mangoes .....farms	238	10	27	40	55	106
trees not of bearing age	453	(D)	(D)	176	39	160
trees of bearing age	1,475	16	147	246	528	538
pounds	25,790	108	2,760	3,080	3,122	16,720
Oranges .....farms	30	3	2	-	11	14
trees not of bearing age	21	-	-	-	3	18
trees of bearing age	219	(D)	(D)	-	149	38
pounds	340	(D)	(D)	-	-	260
Papayas .....farms	207	12	22	35	56	82
trees not of bearing age	545	(D)	(D)	150	266	81
trees of bearing age	4,674	76	531	1,028	1,591	1,448
pounds	29,613	150	1,090	13,746	5,357	9,270
Pineapples .....farms	65	2	12	2	15	34
plants not of bearing age	283	(D)	(D)	-	(D)	259
plants of bearing age	2,865	-	790	(D)	(D)	1,884
pounds	1,076	-	230	(D)	(D)	440
Soursops .....farms	157	7	8	13	51	78
vines not of bearing age	151	3	15	3	25	105
vines of bearing age	1,622	8	199	131	247	1,037
pounds	26,106	(D)	(D)	2,606	1,593	21,745
Starfruits .....farms	84	-	5	11	24	44
trees not of bearing age	22	-	-	14	-	8
trees of bearing age	184	-	16	29	49	90
pounds	1,962	-	200	450	497	815
Sweetsops .....farms	112	2	14	11	34	51
trees not of bearing age	105	(D)	(D)	54	(D)	37
trees of bearing age	812	(D)	124	(D)	121	500
pounds	2,431	-	300	320	591	1,220
Tangerines .....farms	43	-	8	2	16	17
trees not of bearing age	35	-	15	-	14	6
trees of bearing age	466	-	94	(D)	321	(D)
pounds	973	-	(D)	(D)	63	650
Other fruits, nuts, and tree crops .....farms	131	-	17	30	36	48
plants or trees not of bearing age	110	-	(D)	44	(D)	46
plants or trees of bearing age	676	-	83	291	108	194
pounds	5,920	-	910	470	790	3,750
NURSERY CROPS AND HEMP (INCLUDING ORNAMENTAL PLANTS) (SEE TEXT)						
Bedding/Garden Plants (see text) .....farms	19	3	-	2	7	7
acres in open field	5	-	-	(D)	5	-
sq. ft. under protection	5,935	15	-	-	5,060	860
Cut flowers/Cut florist greens (see text) .....farms	9	-	-	2	5	2
acres in open field	(D)	-	-	-	(D)	-
sq. ft. under protection	2,129	-	-	(D)	(D)	(D)
Foliage plants, indoor (see text) .....farms	9	-	2	-	2	5
acres in open field	2	-	(D)	-	-	(D)
sq. ft. under protection	49,260	-	(D)	-	(D)	(D)
Other floriculture and bedding (see text) .....farms	6	-	2	2	2	-
acres in open field	3	-	(D)	(D)	(D)	-
sq. ft. under protection	68,740	-	(D)	(D)	(D)	-
Nursery stock (see text) .....farms	7	-	1	6	-	-
acres in open field	(D)	-	-	(D)	-	-
sq. ft. under protection	1,680	-	(D)	(D)	-	-
Potted flowering plants (see text) .....farms	28	3	2	4	4	15
acres in open field	5	-	(D)	(D)	1	(D)
sq. ft. under protection	50,287	15	(D)	(D)	(D)	872
Hemp (see text) .....farms	-	-	-	-	-	-
acres in open field	-	-	-	-	-	-
sq. ft. under protection	-	-	-	-	-	-
LIVESTOCK, POULTRY, AQUACULTURE AND THEIR PRODUCTS						
Inventory						
Carabaos .....farms	2	2	-	-	-	-
number	(D)	(D)	-	-	-	-
All cattle and calves .....farms	37	-	-	4	6	27
number	237	-	-	18	36	183
Cows (see text) .....farms	35	-	-	2	6	27
number	214	-	-	(D)	(D)	178
Other cattle and calves .....farms	9	-	-	2	2	5
number	23	-	-	(D)	(D)	5
Hogs and pigs of all ages .....farms	42	3	5	2	15	17
number	1,011	150	(D)	(D)	262	303
Goats and kids of all agesfarms	29	-	-	4	6	19
number	512	-	-	168	18	326

See footnote(s) at end of table.

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Table 16. 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
LIVESTOCK, POULTRY, AQUACULTURE AND THEIR PRODUCTS - Con.						
Inventory - Con.						
Horses, mules, and colts of all ages .....farms	6	-	-	4	-	2
.....number	28	-	-	(D)	-	(D)
Other livestock .....farms	11	-	4	-	5	2
.....number	209	-	102	-	(D)	(D)
Chicken hens 4 months old or older .....farms	134	8	13	24	43	46
.....number	9,280	336	1,383	2,246	1,762	3,553
Commercial layers .....farms	111	8	11	22	31	39
.....number	6,243	319	1,215	1,478	1,246	1,985
Other chicken hens .....farms	72	5	7	10	20	30
.....number	3,037	17	168	768	516	1,568
Chickens under 4 months old .....farms	22	-	3	4	-	15
.....number	2,959	-	(D)	1,214	-	(D)
Roosters and pullets .....farms	78	3	10	12	16	37
.....number	1,847	6	134	332	279	1,096
Ducks .....farms	32	-	3	4	14	11
.....number	855	-	180	28	386	261
Pigeons .....farms	2	-	-	-	2	-
.....number	(D)	-	-	-	(D)	-
Other poultry .....farms	-	-	-	-	-	-
.....number	-	-	-	-	-	-
Sales						
Carabaos .....farms	-	-	-	-	-	-
.....number	-	-	-	-	-	-
All cattle and calves .....farms	8	-	-	-	2	6
.....number	20	-	-	-	(D)	(D)
Cows (see text) .....farms	8	-	-	-	2	6
.....number	16	-	-	-	(D)	(D)
Other cattle and calves .....farms	4	-	-	-	2	2
.....number	4	-	-	-	(D)	(D)
Hogs and pigs of all ages .....farms	17	-	-	-	7	10
.....number	128	-	-	-	51	77
Goats and kids of all ages .....farms	5	-	-	-	-	5
.....number	10	-	-	-	-	10
Horses, mules, and colts of all ages .....farms	-	-	-	-	-	-
.....number	-	-	-	-	-	-
Other livestock .....farms	5	-	2	-	3	-
.....number	8,000	-	(D)	-	(D)	-
Chicken hens 4 months old or older .....farms	16	-	8	2	-	6
.....number	2,168	-	(D)	(D)	-	918
Commercial layers .....farms	16	-	8	2	-	6
.....number	(D)	-	(D)	(D)	-	918
Other chicken hens .....farms	2	-	-	2	-	-
.....number	(D)	-	-	(D)	-	-
Chickens under 4 months old .....farms	3	-	1	2	-	-
.....number	1,500	-	(D)	(D)	-	-
Roosters and pullets .....farms	3	-	-	-	-	3
.....number	15	-	-	-	-	15
Ducks .....farms	3	-	-	-	3	-
.....number	9	-	-	-	9	-
Pigeons .....farms	-	-	-	-	-	-
.....number	-	-	-	-	-	-
Chicken eggs .....farms	43	-	6	6	19	12
.....dozens	21,702	-	3,528	1,444	15,390	1,340
Other poultry and poultry products (excluding chicken eggs) .....farms	-	-	-	-	-	-
.....number	-	-	-	-	-	-
Fish and other aquaculture products .....farms	15	-	2	5	6	2
.....pounds	(D)	-	(D)	(D)	303	(D)

¹ Producers may report more than one race.

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

³ Multiple producers per farm may be reported.

⁴ Includes dry and green corn.

Table 17. 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 2.9 acres	3 to 4.9 acres	5 to 7.9 acres	8 to 9.9 acres	10 to 19.9 acres	20 acres or more
FARMS AND LAND IN FARMS								
Farms .....number	583	181	212	45	61	12	35	37
Percent of farms	100.0	31.0	36.4	7.7	10.5	2.1	6.0	6.3
Land in farms .....acres	2,848	78	305	155	355	96	404	1,455
Percent of distribution	100.0	2.8	10.7	5.4	12.5	3.4	14.2	51.1
Average size of farm .....acres	4.9	0.4	1.4	3.4	5.8	8.0	11.5	39.3
LAND USE								
Total cropland .....farms	574	180	208	43	59	12	35	37
.....acres	1,776	62	242	119	276	65	278	734
Harvested .....farms	571	180	205	43	59	12	35	37
.....acres	1,373	61	227	111	239	38	209	490
Other .....farms	85	4	21	4	13	7	13	23
.....acres	402	1	16	8	37	27	69	244
Pasture or grazing land .....farms	62	13	10	7	12	1	9	10
.....acres	192	(D)	10	19	27	(D)	40	92
Woodland .....farms	49	-	8	5	5	7	13	11
.....acres	672	-	3	2	8	19	62	578
Other land .....farms	243	78	93	16	20	7	16	13
.....acres	209	(D)	49	15	44	(D)	24	51
IRRIGATION								
Land irrigated .....farms	414	150	138	28	36	5	24	33
.....acres	1,056	51	156	66	156	22	131	474
Private system .....farms	62	28	26	-	2	1	3	2
.....acres	69	9	33	-	(D)	(D)	6	(D)
Public system .....farms	366	127	119	28	34	4	21	33
.....acres	988	42	124	66	(D)	(D)	125	(D)
FARMS BY MAJOR SOURCE OF IRRIGATION WATER								
Well or cistern	10	4	4	-	2	-	-	-
River or stream	11	5	2	-	-	-	-	4
Lake or private pond	-	-	-	-	-	-	-	-
Canal or irrigation district	3	-	-	-	-	-	-	3
Public utility	315	100	106	26	34	5	18	26
Other	75	41	26	2	-	-	6	-
TENURE OF OPERATIONS								
Operation .....farms	583	181	212	45	61	12	35	37
.....acres	2,848	78	305	155	355	96	404	1,455
Owners .....farms	559	177	205	45	54	12	29	37
.....acres	2,721	76	293	155	314	96	332	1,455
Full owners .....farms	549	177	201	45	54	12	25	35
.....acres	2,620	76	288	155	314	96	(D)	(D)
Part owners .....farms	10	-	4	-	-	-	4	2
.....acres	101	-	5	-	-	-	(D)	(D)
Tenants .....farms	24	4	7	-	7	-	6	-
.....acres	127	2	12	-	41	-	72	-
FARMS BY SIZE								
Farms .....number	583	181	212	45	61	12	35	37
Less than 1 acre	181	181	-	-	-	-	-	-
1 to 2.9 acres	212	-	212	-	-	-	-	-
3 to 4.9 acres	45	-	-	45	-	-	-	-
5 to 7.9 acres	61	-	-	-	61	-	-	-
8 to 9.9 acres	12	-	-	-	-	12	-	-
10 to 19.9 acres	35	-	-	-	-	-	35	-
20 acres or more	37	-	-	-	-	-	-	37
PRODUCER CHARACTERISTICS								
Producers by place of residence:								
On farm operated	320	120	119	22	23	5	19	12
Not on farm operated	263	61	93	23	38	7	16	25
Producers by years on present farm:								
2 years or less	60	31	17	4	3	-	-	5
3 to 4 years	85	45	27	2	7	-	4	-
5 to 9 years	127	44	49	5	18	1	5	5
10 years or more	311	61	119	34	33	11	26	27
Producers by age group:								
Under 35 years	30	14	6	-	8	-	2	-
35 to 44 years	54	26	14	2	2	1	3	6
45 to 54 years	110	40	38	12	13	-	2	5
55 to 64 years	172	59	53	11	22	5	9	13
65 years and over	217	42	101	20	16	6	19	13
Average age	59	55	62	61	57	67	61	59
Producers by main occupation:								
Agricultural	384	95	145	32	45	12	25	30
Nonagricultural	199	86	67	13	16	-	10	7
Producers by days of work off farm:								
None	186	37	72	17	18	4	19	19
Any	397	144	140	28	43	8	16	18
1 to 49 days	30	10	12	2	-	-	-	6
50 to 99 days	13	7	4	-	-	-	2	-
100 to 149 days	22	11	4	-	7	-	-	-
150 to 199 days	30	11	15	-	2	-	-	2
200 days or more	302	105	105	26	34	8	14	10

See footnote(s) at end of table.

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Table 17. 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 2.9 acres	3 to 4.9 acres	5 to 7.9 acres	8 to 9.9 acres	10 to 19.9 acres	20 acres or more
PRODUCER CHARACTERISTICS - Con.								
Producers of Hispanic, Latino, or Spanish origin (see text)	51	12	17	7	3	2	8	2
Producers by race ¹ :								
American Indian or Alaska Native (see text)	-	-	-	-	-	-	-	-
Asian ² (see text)	155	68	47	9	25	-	3	3
Asian Indian (see text)	2	-	2	-	-	-	-	-
Chinese	9	2	-	-	7	-	-	-
Filipino	100	51	35	6	5	-	3	-
Japanese	9	3	-	3	3	-	-	-
Korean (see text)	14	8	6	-	-	-	-	-
Vietnamese (see text)	6	3	-	-	-	-	-	3
Other Asian (see text)	17	3	4	-	10	-	-	-
Black or African American (see text)	2	-	-	-	-	-	-	2
Native Hawaiian or Other Pacific Islander ² (see text)								
Native Hawaiian (see text)	427	113	158	41	39	12	32	32
Carolinian (see text)	-	-	-	-	-	-	-	-
Chamorro	415	105	154	41	39	12	32	32
Samoan (see text)	-	-	-	-	-	-	-	-
Other Pacific Islander (see text)	12	8	4	-	-	-	-	-
White	50	14	27	-	5	-	2	2
Producers by sex:								
Male	382	108	137	29	45	6	27	30
Female	201	73	75	16	16	6	8	7
NUMBER OF TOTAL PRODUCERS (SEE TEXT)								
Total producers	1,037	304	356	96	104	27	65	85
Farms by number of producers								
1 producer	296	95	112	22	39	3	8	17
2 producers	202	61	79	8	14	3	24	13
3 producers	46	19	6	6	2	6	3	4
4 producers	19	2	11	5	1	-	-	-
5 or more producers	20	4	4	4	5	-	-	3
Total male producers ³ (see text)								
Total male producers ³ (see text)	620	160	224	67	70	11	34	54
Farms by number of male producers								
1 producer	393	120	153	24	42	7	24	23
2 producers	66	20	22	8	4	2	5	5
3 producers	16	-	5	9	-	-	-	2
4 producers	5	-	-	-	5	-	-	-
5 or more producers	5	-	2	-	-	-	-	3
Total female producers ³ (see text)								
Total female producers ³ (see text)	417	144	132	29	34	16	31	31
Farms by number of female producers								
1 producer	290	90	106	19	20	8	31	16
2 producers	43	20	10	2	7	4	-	-
3 producers	6	2	2	2	-	-	-	-
4 producers	2	2	-	-	-	-	-	-
5 or more producers	3	-	-	-	-	-	-	3
COMPUTER USE								
Computers used for the farm business	169	53	61	16	17	1	5	16
No computers used for the farm business	414	128	151	29	44	11	30	21
Internet access								
Internet access	517	172	182	38	52	10	30	33
Dial-up service	-	-	-	-	-	-	-	-
Broadband (DSL, cable, fiber optic) (see text)	220	68	80	17	19	5	12	19
Cellular data plan (see text)	484	165	172	38	43	10	25	31
Satellite service	51	24	19	3	5	-	-	-
Other	-	-	-	-	-	-	-	-
Don't know (see text)	14	1	7	-	6	-	-	-
No internet access	66	9	30	7	9	2	5	4
LABOR STATUS								
Farms	583	181	212	45	61	12	35	37
Unpaid labor								
Unpaid labor	1,703	412	575	140	196	43	123	214
Less than 25 days	486	156	186	35	48	9	25	27
25 to 149 days	1,195	339	372	98	132	28	85	141
150 days or more	46	12	13	4	4	-	6	7
Paid labor	131	14	24	16	16	-	33	28
Less than 25 days	113	47	40	6	4	2	5	9
25 to 149 days	370	136	121	20	10	(D)	(D)	60
150 days or more	387	120	148	29	42	9	19	20
Paid labor	694	189	227	62	106	(D)	(D)	53
Less than 25 days	121	28	39	10	17	3	10	14
25 to 149 days	508	73	203	42	64	15	38	73
150 days or more	26	7	7	2	7	-	3	-
Less than 25 days	73	14	27	(D)	(D)	-	(D)	-
25 to 149 days	34	11	12	4	2	-	3	2
150 days or more	153	22	82	(D)	(D)	-	(D)	(D)
Less than 25 days	99	23	28	8	13	3	10	14
25 to 149 days	282	37	94	32	32	15	(D)	(D)
150 days or more								
SELECTED MACHINERY AND EQUIPMENT								
Tractors (all kinds)	77	2	24	10	8	3	5	25
Motortrucks	112	(D)	29	18	10	(D)	5	41
Automobiles	229	62	75	17	31	8	17	19
Tractors (all kinds)	300	75	104	20	33	10	26	32
Motortrucks	269	96	83	25	23	6	16	20
Automobiles	376	130	102	42	25	12	26	39

See footnote(s) at end of table.

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Table 17. 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 2.9 acres	3 to 4.9 acres	5 to 7.9 acres	8 to 9.9 acres	10 to 19.9 acres	20 acres or more
SELECTED MACHINERY AND EQUIPMENT - Con.								
Tillers (all kinds)	farms 157	37	48	10	23	5	12	22
	number 268	51	68	14	38	8	22	67
MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD								
Total sales	farms 583	181	212	45	61	12	35	37
	dollars 6,162,085	349,940	1,780,314	1,660,700	257,253	59,109	334,741	1,720,028
Average per farm	dollars 10,570	1,933	8,398	36,904	4,217	4,926	9,564	46,487
Farms by value of sales:								
Less than \$1,200	farms 428	147	166	31	47	2	21	14
	dollars 40,448	13,040	12,060	8,040	(D)	-	(D)	(D)
\$1,200 to \$2,499	farms 26	7	8	5	2	4	-	-
	dollars 45,732	(D)	13,202	10,000	(D)	(D)	-	-
\$2,500 to \$4,999	farms 28	7	5	5	2	3	4	2
	dollars 95,700	22,500	14,780	22,660	(D)	(D)	12,560	(D)
\$5,000 to \$7,499	farms 19	8	5	-	4	-	2	-
	dollars 116,142	44,200	34,310	-	(D)	-	(D)	-
\$7,500 to \$9,999	farms 9	-	3	-	-	2	-	4
	dollars 74,400	-	24,000	-	-	(D)	-	(D)
\$10,000 or more	farms 73	12	25	4	6	1	8	17
	dollars 5,789,663	(D)	1,681,962	1,620,000	216,816	(D)	308,732	1,675,628
SALES BY COMMODITY GROUP OR PRODUCT								
Root crops	farms 40	4	15	6	4	3	3	5
	dollars (D)	300	24,190	(D)	(D)	(D)	(D)	(D)
Vegetables and melons	farms 134	28	40	13	14	7	13	19
	dollars 2,636,157	94,240	765,732	7,140	56,622	20,524	268,799	1,423,100
Fruits and nuts	farms 125	34	37	13	9	6	12	14
	dollars (D)	97,450	83,592	(D)	54,006	(D)	(D)	(D)
Nursery crops and hemp (including ornamental plants) (see text)	farms 29	6	13	5	4	1	-	-
	dollars 2,127,480	20,980	497,800	1,606,000	(D)	(D)	-	-
Livestock and livestock products	farms 30	2	12	3	5	-	4	4
	dollars 388,300	(D)	313,400	(D)	(D)	-	12,800	18,000
Poultry and poultry products	farms 51	18	10	2	8	6	5	2
	dollars 236,949	22,510	87,500	(D)	61,459	21,050	20,880	(D)
Fish and other aquaculture products	farms 3	1	-	-	1	1	-	-
	dollars (D)	(D)	-	-	(D)	(D)	-	-
Value of processed or value-added agricultural products (see text)	farms 37	11	13	4	5	2	2	-
	dollars 86,870	8,860	8,100	4,800	63,850	(D)	(D)	-
SELECTED FARM PRODUCTION EXPENSES								
Machine hire and customwork	farms 74	12	23	4	16	-	8	11
	dollars 343,162	98,912	38,260	60,000	41,950	-	15,960	88,080
Hired farm labor	farms 95	21	28	2	17	3	8	16
	dollars 2,004,676	88,400	465,420	(D)	157,400	181,000	(D)	459,736
Feed purchased for livestock, poultry, and fish	farms 152	49	41	19	18	6	7	12
	dollars 380,624	101,126	87,428	65,644	49,860	27,082	25,016	24,468
Insecticides, fungicides, and herbicides	farms 145	27	59	10	14	5	11	19
	dollars 118,476	9,958	46,908	7,608	15,780	538	5,588	32,096
Fertilizers and manure purchased	farms 265	96	91	21	20	6	9	22
	dollars 341,910	34,460	58,022	21,076	122,600	2,212	17,600	85,940
Livestock, poultry, and fish purchased	farms 40	19	14	2	2	1	-	2
	dollars 84,100	36,780	20,620	(D)	(D)	(D)	-	(D)
Seed costs (including seedlings)	farms 180	64	55	8	13	5	13	22
	dollars 157,553	29,823	37,906	6,268	9,816	1,240	16,300	56,200
Gasoline, fuels and oils purchased (see text)	farms 335	99	127	28	25	7	20	29
	dollars 681,074	42,259	352,186	67,454	74,655	14,740	19,370	110,410
Water (see text)	farms 331	103	104	28	31	7	26	32
	dollars 710,178	110,112	142,828	37,740	244,640	29,480	30,900	114,478
Transportation costs (excluding fuel expenses) (see text)	farms 153	41	45	18	16	3	8	22
	dollars 386,186	38,290	182,866	88,650	33,140	6,800	1,400	35,040
Repairs, supplies, and maintenance costs (see text)	farms 220	56	72	21	22	3	20	26
	dollars 1,619,564	169,952	373,152	450,160	141,234	45,000	255,750	184,316
ROOT CROPS HARVESTED FOR SALE								
Cassava (tapioca)	farms 36	12	19	4	-	1	-	-
	acres 4	(D)	(D)	(Z)	-	(D)	-	-
	pounds 2,305	665	1,240	(D)	-	(D)	-	-
Gado	farms -	-	-	-	-	-	-	-
	acres -	-	-	-	-	-	-	-
	pounds -	-	-	-	-	-	-	-
Ginger	farms 49	19	22	4	2	-	-	2
	acres 7	2	4	(D)	(D)	-	-	(D)
	pounds 1,586	242	1,260	40	(D)	-	-	(D)
Jicama (see text)	farms 6	4	2	-	-	-	-	-
	acres 1	(D)	(D)	-	-	-	-	-
	pounds 330	(D)	(D)	-	-	-	-	-
Peanuts (see text)	farms 5	2	2	-	-	1	-	-
	acres 1	(D)	(D)	-	-	(D)	-	-
	pounds 302	(D)	(D)	-	-	(D)	-	-
Sweet potatoes	farms 70	26	22	4	7	5	-	6
	acres 17	3	4	2	(D)	2	-	(D)
	pounds 8,227	1,378	1,839	600	1,910	1,120	-	1,380
Taro	farms 79	21	38	14	3	3	-	-
	acres 13	3	6	3	(Z)	(Z)	-	-
	pounds 8,005	1,530	5,250	1,110	45	70	-	-
Yams	farms 56	8	24	6	3	1	6	8
	acres 12	(D)	4	1	(D)	(D)	2	5
	pounds 9,790	(D)	2,850	900	510	(D)	3,000	2,050

See footnote(s) at end of table.

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Table 17. 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 2.9 acres	3 to 4.9 acres	5 to 7.9 acres	8 to 9.9 acres	10 to 19.9 acres	20 acres or more
ROOT CROPS HARVESTED FOR SALE - Con.								
Other root crops	15	2	9	2	-	2	-	-
farms	8	(D)	4	(D)	-	(D)	-	-
acres	5,850	(D)	3,370	(D)	-	(D)	-	-
pounds								
VEGETABLES AND MELONS HARVESTED FOR SALE								
Alfalfa and/or bean sprouts (see text)	10	10	-	-	-	-	-	-
farms	1	1	-	-	-	-	-	-
acres	246	246	-	-	-	-	-	-
pounds	49	12	18	2	6	-	3	8
Beans, winged	13	(D)	3	(D)	(D)	-	1	5
farms	22,828	1,222	1,140	(D)	(D)	-	900	19,150
acres	86	18	22	4	17	5	5	15
pounds	53	2	6	(Z)	29	1	3	13
Beans, yard long	114,546	1,047	6,145	440	39,634	1,670	2,760	62,850
farms	14	4	4	4	-	-	-	2
acres	11	(D)	1	5	-	-	-	(D)
pounds	3,804	(D)	420	1,224	-	-	-	(D)
Bittermelons	40	6	5	2	5	2	10	10
farms	16	(D)	1	(D)	2	(D)	2	10
acres	123,167	2,328	470	(D)	3,044	(D)	11,325	103,000
pounds	13	4	3	2	-	1	-	3
Cabbage, Chinese	4	(D)	(Z)	(D)	-	(D)	-	3
farms	3,880	260	450	(D)	-	(D)	-	3,000
acres	-	-	-	-	-	-	-	-
pounds	-	-	-	-	-	-	-	-
Cantaloupes	-	-	-	-	-	-	-	-
farms	-	-	-	-	-	-	-	-
acres	-	-	-	-	-	-	-	-
pounds	-	-	-	-	-	-	-	-
Corn (sweet) ⁴	11	4	5	-	-	-	-	2
farms	41	(D)	1	-	-	-	-	(D)
acres	60,294	(D)	190	-	-	-	-	(D)
pounds	78	14	23	8	10	3	10	10
Cucumbers	54	1	6	11	6	(Z)	10	20
farms	312,115	1,275	13,110	1,680	38,420	7,250	11,180	239,200
acres	162	44	53	8	19	5	13	20
pounds	84	5	11	9	29	2	4	22
Eggplant	202,501	8,037	10,312	3,920	63,022	700	14,660	101,850
farms	48	21	18	2	3	1	-	3
acres	7	2	3	(D)	2	(D)	-	(D)
pounds	40,350	2,654	331	(D)	36,000	(D)	-	825
Muskmelons and pepinos	6	-	-	2	-	-	-	4
farms	3	-	-	(D)	-	-	-	(D)
acres	10,600	-	-	(D)	-	-	-	(D)
pounds	85	28	26	2	2	5	3	19
Okra	28	2	5	(D)	(D)	(D)	(Z)	18
farms	58,785	2,777	24,359	(D)	(D)	1,570	189	29,750
acres	49	14	15	8	2	2	-	8
pounds	7	2	2	(D)	(D)	(D)	-	3
Onions, green	13,307	1,945	632	1,250	(D)	(D)	-	8,960
farms	219	71	85	13	19	3	16	12
acres	71	11	20	3	25	2	7	3
pounds	66,934	6,100	16,286	592	6,163	230	6,118	31,445
Peppers, hot	23	8	6	2	-	2	-	5
farms	2	(D)	1	(D)	-	(D)	-	1
acres	982	320	60	(D)	-	(D)	-	550
pounds	53	14	20	6	4	-	3	6
Pumpkins and squash	9	1	2	1	1	-	2	3
farms	14,968	582	2,146	1,040	2,400	-	1,800	7,000
acres	7	-	-	2	-	2	-	3
pounds	5	-	-	(D)	-	(D)	-	(D)
Tomatoes	30,240	-	-	(D)	-	(D)	-	30,000
farms	95	34	23	8	11	2	4	13
acres	20	3	3	(D)	3	(D)	2	8
pounds	100,728	(D)	37,075	1,850	6,345	(D)	6,250	47,360
Watermelons	18	2	4	2	-	-	3	7
farms	26	(D)	2	(D)	-	-	(Z)	(D)
acres	87,160	(D)	3,040	(D)	-	-	3,000	76,000
pounds	86	25	26	6	11	3	6	9
Other vegetables and melons	44	4	6	1	8	4	6	16
farms	23,958	1,680	2,292	224	1,862	800	3,060	14,040
acres								
pounds								
FRUITS AND NUTS HARVESTED FOR SALE								
Land in bearing and nonbearing fruit trees and plants	359	120	134	25	28	8	25	19
farms	513	37	112	46	96	11	114	99
acres	206	50	91	24	9	6	14	12
Avocados	346	64	114	27	16	-	30	95
trees not of bearing age	835	163	263	96	38	106	55	114
trees of bearing age	29,946	8,330	4,867	5,084	200	3,200	3,968	4,297
Bananas (all types)	289	94	111	26	22	1	16	19
farms	8,008	(D)	5,190	2,190	270	-	(D)	160
trees not of bearing age	36,753	2,545	12,094	8,358	4,425	(D)	(D)	7,250
trees of bearing age	126,518	14,596	44,000	(D)	30,780	(D)	13,648	12,104
Betelnuts	89	19	35	15	6	-	9	5
farms	1,862	(D)	288	(D)	1,158	-	-	60
trees not of bearing age	6,307	68	945	340	4,158	-	636	160
trees of bearing age	6,955	220	2,365	1,000	360	-	2,510	500
Breadfruits	149	25	59	13	17	3	17	15
farms	134	9	63	9	12	(D)	(D)	21
trees not of bearing age	1,011	76	486	(D)	88	(D)	139	161
trees of bearing age	40,143	(D)	3,693	1,560	14,760	(D)	13,230	5,400
Coconuts	160	49	57	17	15	-	12	10
farms	3,017	394	819	(D)	785	-	654	(D)
trees not of bearing age	3,151	366	437	645	1,333	-	226	144
trees of bearing age	18,620	3,000	3,370	2,070	470	-	8,660	1,050
pounds								

See footnote(s) at end of table.

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Table 17. 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 2.9 acres	3 to 4.9 acres	5 to 7.9 acres	8 to 9.9 acres	10 to 19.9 acres	20 acres or more
FRUITS AND NUTS HARVESTED FOR SALE - Con.								
Coffee	18	3	8	-	5	2	-	-
trees not of bearing age	62	-	(D)	-	46	(D)	-	-
trees of bearing age	111	9	56	-	46	-	-	-
pounds	260	30	230	-	-	-	-	-
Dragon fruit	70	35	20	8	2	1	2	2
trees not of bearing age	42	(D)	(D)	-	-	-	-	-
trees of bearing age	1,767	928	104	110	(D)	(D)	(D)	(D)
pounds	19,011	2,861	840	1,260	(D)	(D)	(D)	-
Grapefruit	47	18	7	9	5	2	6	6
trees not of bearing age	25	15	(D)	-	(D)	-	-	-
trees of bearing age	471	13	(D)	25	300	-	(D)	120
pounds	1,705	(D)	700	290	-	-	(D)	660
Guavas	100	26	41	10	10	3	5	5
trees not of bearing age	81	26	15	(D)	(D)	-	-	12
trees of bearing age	580	243	136	62	20	13	80	26
pounds	8,209	445	875	680	205	14	5,900	90
Lemons and limes	247	77	82	19	26	5	21	17
trees not of bearing age	1,100	133	298	-	(D)	(D)	460	159
trees of bearing age	4,604	758	738	249	1,212	36	759	852
pounds	72,158	8,605	37,571	2,095	4,020	1,150	14,415	4,302
Mangoes	238	61	102	26	17	2	17	13
trees not of bearing age	453	231	139	21	44	-	-	18
trees of bearing age	1,475	153	518	164	374	(D)	(D)	137
pounds	25,790	4,280	16,050	2,570	840	-	890	1,160
Oranges	30	8	13	4	-	-	-	5
trees not of bearing age	21	3	18	-	-	-	-	-
trees of bearing age	219	32	59	4	-	-	-	124
pounds	340	80	-	(D)	-	-	-	(D)
Papayas	207	77	71	18	18	1	8	14
trees not of bearing age	545	86	67	12	60	-	-	320
trees of bearing age	4,674	955	1,359	326	526	(D)	(D)	1,476
pounds	29,613	11,054	8,154	(D)	3,690	(D)	1,175	5,000
Pineapples	65	14	32	6	7	-	3	3
plants not of bearing age	283	(D)	(D)	(D)	242	-	-	-
plants of bearing age	2,865	194	1,689	42	280	-	600	60
pounds	1,076	534	302	(D)	(D)	-	-	-
Soursops	157	50	56	13	12	2	15	9
vines not of bearing age	151	40	82	-	14	-	-	15
vines of bearing age	1,622	145	250	(D)	481	(D)	283	361
pounds	26,106	1,308	1,237	(D)	12,700	(D)	7,745	2,260
Starfruits	84	25	30	13	7	-	4	5
trees not of bearing age	22	-	8	(D)	(D)	-	-	-
trees of bearing age	184	34	68	24	24	-	10	24
pounds	1,962	809	773	220	-	-	(D)	(D)
Sweetsops	112	36	37	8	10	3	11	7
trees not of bearing age	105	34	35	-	36	-	-	-
trees of bearing age	812	79	251	56	28	6	146	246
pounds	2,431	721	380	410	(D)	(D)	740	90
Tangerines	43	7	13	6	7	2	3	5
trees not of bearing age	35	(D)	3	(D)	-	(D)	-	15
trees of bearing age	466	(D)	26	12	314	-	90	(D)
pounds	973	60	53	(D)	(D)	-	-	(D)
Other fruits, nuts, and tree crops	131	51	42	9	12	5	3	9
plants or trees not of bearing age	110	12	12	(D)	26	(D)	-	32
plants or trees of bearing age	676	262	280	9	37	10	30	48
pounds	5,920	1,430	3,860	(D)	600	(D)	-	-
NURSERY CROPS AND HEMP (INCLUDING ORNAMENTAL PLANTS) (SEE TEXT)								
Bedding/Garden Plants (see text)	19	10	9	-	-	-	-	-
acres in open field	5	(Z)	5	-	-	-	-	-
sq. ft. under protection	5,935	135	5,800	-	-	-	-	-
Cut flowers/Cut florist greens (see text)	9	-	6	3	-	-	-	-
acres in open field	(D)	-	(D)	-	-	-	-	-
sq. ft. under protection	2,129	-	2,120	9	-	-	-	-
Foliage plants, indoor (see text)	9	2	5	2	-	-	-	-
acres in open field	2	-	(D)	(D)	-	-	-	-
sq. ft. under protection	49,260	(D)	(D)	(D)	-	-	-	-
Other floriculture and bedding (see text)	6	2	-	2	2	-	-	-
acres in open field	3	(D)	-	(D)	(D)	-	-	-
sq. ft. under protection	68,740	(D)	-	(D)	(D)	-	-	-
Nursery stock (see text)	7	2	2	-	2	1	-	-
acres in open field	(D)	(D)	-	-	-	-	-	-
sq. ft. under protection	1,680	-	(D)	-	(D)	(D)	-	-
Potted flowering plants (see text)	28	12	10	2	4	-	-	-
acres in open field	5	(D)	1	(D)	(D)	-	-	-
sq. ft. under protection	50,287	(D)	1,412	(D)	(D)	-	-	-
Hemp (see text)	-	-	-	-	-	-	-	-
acres in open field	-	-	-	-	-	-	-	-
sq. ft. under protection	-	-	-	-	-	-	-	-
LIVESTOCK, POULTRY, AQUACULTURE AND THEIR PRODUCTS								
Inventory								
Carabaos	2	-	2	-	-	-	-	-
number	(D)	-	(D)	-	-	-	-	-
All cattle and calves	37	2	4	12	4	-	4	11
number	237	(D)	4	84	(D)	-	46	87
Cows (see text)	35	2	4	12	4	-	4	9
number	214	(D)	4	84	(D)	-	46	(D)
Other cattle and calves	9	-	-	-	2	-	-	7
number	23	-	-	-	(D)	-	-	(D)
Hogs and pigs of all ages	42	2	7	7	18	-	3	5
number	1,011	(D)	196	134	479	-	(D)	190
Goats and kids of all ages	29	2	10	5	8	-	2	2
number	512	(D)	230	30	242	-	(D)	(D)

See footnote(s) at end of table.

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Table 17. 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 2.9 acres	3 to 4.9 acres	5 to 7.9 acres	8 to 9.9 acres	10 to 19.9 acres	20 acres or more
LIVESTOCK, POULTRY, AQUACULTURE AND THEIR PRODUCTS - Con.								
Inventory - Con.								
Horses, mules, and colts of all ages .....farms	6	2	2	2	-	-	-	-
.....number	28	(D)	(D)	(D)	-	-	-	-
Other livestock .....farms	11	4	7	-	-	-	-	-
.....number	209	112	97	-	-	-	-	-
Chicken hens 4 months old or older .....farms	134	47	36	11	22	6	5	7
.....number	9,280	1,515	1,818	(D)	2,613	(D)	924	1,100
Commercial layers .....farms	111	39	23	9	22	6	5	7
.....number	6,243	1,088	1,023	(D)	1,352	(D)	924	850
Other chicken hens .....farms	72	26	22	7	12	-	-	5
.....number	3,037	427	795	304	1,261	-	-	250
Chickens under 4 months old .....farms	22	4	5	4	5	1	3	-
.....number	2,959	74	(D)	340	1,434	(D)	450	-
Roosters and pullets .....farms	78	28	23	9	3	-	5	10
.....number	1,847	266	735	113	66	-	302	365
Ducks .....farms	32	6	7	2	5	7	-	5
.....number	855	(D)	225	(D)	68	92	-	380
Pigeons .....farms	2	2	-	-	-	-	-	-
.....number	(D)	(D)	-	-	-	-	-	-
Other poultry .....farms	-	-	-	-	-	-	-	-
.....number	-	-	-	-	-	-	-	-
Sales								
Carabaos .....farms	-	-	-	-	-	-	-	-
.....number	-	-	-	-	-	-	-	-
All cattle and calves .....farms	8	-	-	-	2	-	4	2
.....number	20	-	-	-	(D)	-	(D)	(D)
Cows (see text) .....farms	8	-	-	-	2	-	4	2
.....number	16	-	-	-	(D)	-	(D)	(D)
Other cattle and calves .....farms	4	-	-	-	2	-	-	2
.....number	4	-	-	-	(D)	-	-	(D)
Hogs and pigs of all ages .....farms	17	-	7	3	5	-	-	2
.....number	128	-	63	30	(D)	-	-	(D)
Goats and kids of all ages .....farms	5	-	2	3	-	-	-	-
.....number	10	-	(D)	(D)	-	-	-	-
Horses, mules, and colts of all ages .....farms	-	-	-	-	-	-	-	-
.....number	-	-	-	-	-	-	-	-
Other livestock .....farms	5	2	3	-	-	-	-	-
.....number	8,000	(D)	(D)	-	-	-	-	-
Chicken hens 4 months old or older .....farms	16	8	2	-	2	1	3	-
.....number	2,168	138	(D)	-	(D)	(D)	900	-
Commercial layers .....farms	16	8	2	-	2	1	3	-
.....number	(D)	138	(D)	-	(D)	(D)	900	-
Other chicken hens .....farms	2	-	-	-	2	-	-	-
.....number	(D)	-	-	-	(D)	-	-	-
Chickens under 4 months old .....farms	3	-	-	-	2	1	-	-
.....number	1,500	-	-	-	(D)	(D)	-	-
Roosters and pullets .....farms	3	-	-	-	3	-	-	-
.....number	15	-	-	-	15	-	-	-
Ducks .....farms	3	-	-	-	3	-	-	-
.....number	9	-	-	-	9	-	-	-
Pigeons .....farms	-	-	-	-	-	-	-	-
.....number	-	-	-	-	-	-	-	-
Chicken eggs .....farms	43	15	8	2	5	6	5	2
.....dozens	21,702	2,332	10,938	(D)	1,372	3,620	1,176	(D)
Other poultry and poultry products (excluding chicken eggs) .....farms	-	-	-	-	-	-	-	-
.....number	-	-	-	-	-	-	-	-
Fish and other aquaculture products .....farms	15	5	5	-	4	1	-	-
.....pounds	(D)	(D)	603	-	(D)	(D)	-	-

¹ Producers may report more than one race.

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

³ Multiple producers per farm may be reported.

⁴ Includes dry and green corn.

Table 18. 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
FARMS AND LAND IN FARMS							
Farms .....number	583	428	26	28	19	9	73
Percent of farms	100.0	73.4	4.5	4.8	3.3	1.5	12.5
Land in farms .....acres	2,848	1,270	74	213	54	123	1,114
Percent of distribution	100.0	44.6	2.6	7.5	1.9	4.3	39.1
Average size of farm .....acres	4.9	3.0	2.8	7.6	2.8	13.7	15.3
LAND USE							
Total cropland .....farms	574	420	26	28	19	9	72
.....acres	1,776	1,054	55	63	31	85	487
Harvested .....farms	571	417	26	28	19	9	72
.....acres	1,373	937	(D)	41	(D)	65	259
Other .....farms	85	42	4	7	2	6	24
.....acres	402	117	(D)	22	(D)	20	228
Pasture or grazing land .....farms	62	35	-	4	7	2	14
.....acres	192	96	-	11	(D)	(D)	75
Woodland .....farms	49	16	4	9	2	2	16
.....acres	672	20	(D)	127	(D)	(D)	508
Other land .....farms	243	155	21	18	7	6	36
.....acres	209	101	(D)	12	(D)	(D)	43
IRRIGATION							
Land irrigated .....farms	414	296	17	18	16	7	60
.....acres	1,056	669	32	32	25	49	250
Private system .....farms	62	48	4	-	-	-	10
.....acres	69	36	4	-	-	-	29
Public system .....farms	366	260	13	18	16	7	52
.....acres	988	634	28	32	25	49	221
FARMS BY MAJOR SOURCE OF IRRIGATION WATER							
Well or cistern	10	10	-	-	-	-	-
River or stream	11	7	-	-	-	-	4
Lake or private pond	-	-	-	-	-	-	-
Canal or irrigation district	3	3	-	-	-	-	-
Public utility	315	212	13	18	16	7	49
Other	75	64	4	-	-	-	7
TENURE OF OPERATIONS							
Operation .....farms	583	428	26	28	19	9	73
.....acres	2,848	1,270	74	213	54	123	1,114
Owners .....farms	559	415	26	28	15	9	66
.....acres	2,721	1,202	74	213	51	123	1,058
Full owners .....farms	549	409	26	26	15	7	66
.....acres	2,620	1,161	74	(D)	51	(D)	1,058
Part owners .....farms	10	6	-	2	-	2	-
.....acres	101	41	-	(D)	-	(D)	-
Tenants .....farms	24	13	-	-	4	-	7
.....acres	127	68	-	-	3	-	56
FARMS BY SIZE							
Farms .....number	583	428	26	28	19	9	73
Less than 1 acre	181	147	7	7	8	-	12
1 to 2.9 acres	212	166	8	5	5	3	25
3 to 4.9 acres	45	31	5	5	-	-	4
5 to 7.9 acres	61	47	2	2	4	-	6
8 to 9.9 acres	12	2	4	3	-	2	1
10 to 19.9 acres	35	21	-	4	2	-	8
20 acres or more	37	14	-	2	-	4	17
PRODUCER CHARACTERISTICS							
Producers by place of residence:							
On farm operated	320	231	15	18	14	2	40
Not on farm operated	263	197	11	10	5	7	33
Producers by years on present farm:							
2 years or less	60	52	2	-	2	-	4
3 to 4 years	85	68	-	5	4	-	8
5 to 9 years	127	92	5	10	2	-	18
10 years or more	311	216	19	13	11	9	43
Producers by age group:							
Under 35 years	30	30	-	-	-	-	-
35 to 44 years	54	38	-	2	4	-	10
45 to 54 years	110	86	2	2	3	-	17
55 to 64 years	172	120	11	12	2	2	25
65 years and over	217	154	13	12	10	7	21
Average age	59	58	67	62	64	66	57
Producers by main occupation:							
Agricultural	384	263	22	23	16	9	51
Nonagricultural	199	165	4	5	3	-	22
Producers by days of work off farm:							
None	186	106	13	16	3	9	39
Any	397	322	13	12	16	-	34
1 to 49 days	30	19	-	-	5	-	6
50 to 99 days	13	13	-	-	-	-	-
100 to 149 days	22	16	-	-	3	-	3
150 to 199 days	30	20	-	2	-	-	8
200 days or more	302	254	13	10	8	-	17

See footnote(s) at end of table.

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Table 18. 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
PRODUCER CHARACTERISTICS - Con.							
Producers of Hispanic, Latino, or Spanish origin (see text)	51	35	4	2	3	2	5
Producers by race ¹ :							
American Indian or Alaska Native (see text)	-	-	-	-	-	-	-
Asian ² (see text)	155	111	5	9	10	-	20
Asian Indian (see text)	2	-	-	-	-	-	2
Chinese	9	6	-	-	1	-	2
Filipino	100	67	5	9	6	-	13
Japanese	9	6	-	-	3	-	-
Korean (see text)	14	12	-	-	-	-	2
Vietnamese(see text)	6	6	-	-	-	-	-
Other Asian (see text)	17	16	-	-	-	-	1
Black or African American (see text)	2	-	-	-	-	2	-
Native Hawaiian or Other Pacific Islander ² (see text)							
Native Hawaiian (see text)	427	321	17	21	12	7	49
Carolinian (see text)	-	-	-	-	-	-	-
Chamorro	415	309	17	21	12	7	49
Samoan (see text)	-	-	-	-	-	-	-
Other Pacific Islander (see text)	12	12	-	-	-	-	-
White	50	31	4	4	3	-	8
Producers by sex:							
Male	382	269	16	19	16	5	57
Female	201	159	10	9	3	4	16
NUMBER OF TOTAL PRODUCERS (SEE TEXT)							
Total producers	1,037	785	44	45	26	17	120
Farms by number of producers							
1 producer	296	212	12	17	14	5	36
2 producers	202	147	10	8	4	-	33
3 producers	46	36	4	-	-	4	2
4 producers	19	15	-	3	1	-	-
5 or more producers	20	18	-	-	-	-	2
Total male producers ³ (see text)							
Farms by number of male producers	620	469	22	29	18	11	71
1 producer	393	287	18	16	16	3	53
2 producers	66	52	2	2	1	4	5
3 producers	16	13	-	3	-	-	-
4 producers	5	3	-	-	-	-	2
5 or more producers	5	5	-	-	-	-	-
Total female producers ³ (see text)							
Farms by number of female producers	417	316	22	16	8	6	49
1 producer	290	199	18	16	6	6	45
2 producers	43	38	2	-	1	-	2
3 producers	6	6	-	-	-	-	-
4 producers	2	2	-	-	-	-	-
5 or more producers	3	3	-	-	-	-	-
COMPUTER USE							
Computers used for the farm business	169	110	11	4	4	5	35
No computers used for the farm business	414	318	15	24	15	4	38
Internet access							
Dial-up service	517	373	24	25	19	5	71
Broadband (DSL, cable, fiber optic) (see text)	-	-	-	-	-	-	-
Cellular data plan (see text)	220	138	9	13	8	5	47
Satellite service	484	360	20	22	11	5	66
Other	51	39	2	3	5	-	2
Don't know (see text)	-	-	-	-	-	-	-
No internet access	14	8	-	3	-	-	3
No internet access	66	55	2	3	-	4	2
LABOR STATUS							
Farms	583	428	26	28	19	9	73
Unpaid labor							
Less than 25 days	1,703	1,123	73	62	46	17	382
25 to 149 days	486	378	22	26	10	4	46
150 days or more	1,195	925	47	51	12	6	154
Paid labor							
Less than 25 days	46	37	-	2	-	-	7
25 to 149 days	131	95	-	(D)	-	-	(D)
150 days or more	113	83	8	5	-	-	17
Paid labor							
Less than 25 days	370	297	18	(D)	-	-	(D)
25 to 149 days	387	299	18	21	10	4	35
150 days or more	694	533	29	40	12	6	74
SELECTED MACHINERY AND EQUIPMENT							
Tractors (all kinds)	77	37	6	4	2	5	23
Motortrucks	112	54	8	(D)	(D)	9	33
Automobiles	229	131	11	23	10	5	49
Tractors (all kinds)	300	166	11	32	17	5	69
Motortrucks	269	188	16	15	12	4	34
Automobiles	376	251	22	24	12	6	61

See footnote(s) at end of table.

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Table 18. 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
SELECTED MACHINERY AND EQUIPMENT - Con.							
Tillers (all kinds)	farms 157	97	6	13	5	5	31
	number 268	147	8	28	5	11	69
MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD							
Total sales	farms 583	428	26	28	19	9	73
	dollars 6,162,085	40,448	45,732	95,700	116,142	74,400	5,789,663
Average per farm	dollars 10,570	95	1,759	3,418	6,113	8,267	79,310
Farms by value of sales:							
Less than \$1,200	farms 428	428	-	-	-	-	-
	dollars 40,448	40,448	-	-	-	-	-
\$1,200 to \$2,499	farms 26	-	26	-	-	-	-
	dollars 45,732	-	45,732	-	-	-	-
\$2,500 to \$4,999	farms 28	-	-	28	-	-	-
	dollars 95,700	-	-	95,700	-	-	-
\$5,000 to \$7,499	farms 19	-	-	-	19	-	-
	dollars 116,142	-	-	-	116,142	-	-
\$7,500 to \$9,999	farms 9	-	-	-	-	9	-
	dollars 74,400	-	-	-	-	74,400	-
\$10,000 or more	farms 73	-	-	-	-	-	73
	dollars 5,789,663	-	-	-	-	-	5,789,663
SALES BY COMMODITY GROUP OR PRODUCT							
Root crops	farms 40	12	6	2	5	2	13
	dollars (D) 1,760	1,280	(D) 15	(D) 10	(D) 7	(D) 7	(D) 45
Vegetables and melons	farms 134	40	17	15	10	7	45
	dollars 2,636,157	10,959	16,010	15,500	30,776	50,800	2,512,112
Fruits and nuts	farms 125	41	13	21	10	2	38
	dollars (D) 15,120	11,082	42,040	39,166	(D) 2	(D) 2	(D) 38
Nursery crops and hemp (including ornamental plants) (see text)	farms 29	4	5	2	2	-	16
	dollars 2,127,480	980	8,000	(D) 10	(D) 2	-	2,103,900
Livestock and livestock products	farms 30	5	-	10	2	2	11
	dollars 388,300	3,100	-	24,600	(D) 5	(D) 2	336,600
Poultry and poultry products	farms 51	27	4	5	2	-	13
	dollars 236,949	6,969	4,200	(D) 5	(D) 2	-	211,920
Fish and other aquaculture products	farms 3	-	-	-	1	-	2
	dollars (D) 3	-	-	-	(D) 1	-	(D) 2
Value of processed or value-added agricultural products (see text)	farms 37	8	8	7	3	-	11
	dollars 86,870	1,560	5,160	9,300	4,050	-	66,800
SELECTED FARM PRODUCTION EXPENSES							
Machine hire and customwork	farms 74	38	4	9	2	-	21
	dollars 343,162	271,782	(D) 2	6,420	(D) 9	-	58,360
Hired farm labor	farms 95	39	2	7	9	7	31
	dollars 2,004,676	380,000	(D) 2	(D) 7	155,920	108,300	1,354,856
Feed purchased for livestock, poultry, and fish	farms 152	92	8	19	7	2	24
	dollars 380,624	195,326	(D) 9	49,356	25,480	(D) 5	95,358
Insecticides, fungicides, and herbicides	farms 145	74	9	11	5	5	41
	dollars 118,476	61,338	1,378	1,868	900	3,024	49,968
Fertilizers and manure purchased	farms 265	175	15	17	5	4	49
	dollars 341,910	107,024	4,812	8,460	2,400	3,000	216,214
Livestock, poultry, and fish purchased	farms 40	23	-	4	2	-	11
	dollars 84,100	31,240	-	(D) 4	(D) 2	-	50,200
Seed costs (including seedlings)	farms 180	107	8	6	2	7	50
	dollars 157,553	49,105	3,940	(D) 6	(D) 2	16,200	87,448
Gasoline, fuels and oils purchased (see text)	farms 335	202	22	25	13	9	64
	dollars 681,074	168,008	7,430	22,940	46,220	30,750	405,726
Water (see text)	farms 331	209	15	20	14	9	64
	dollars 710,178	297,998	23,800	17,784	124,540	22,800	223,256
Transportation costs (excluding fuel expenses) (see text)	farms 153	67	14	17	7	2	46
	dollars 386,186	131,260	10,930	(D) 22	35,700	(D) 5	198,196
Repairs, supplies, and maintenance costs (see text)	farms 220	120	10	22	11	5	52
	dollars 1,619,564	456,322	29,400	33,500	35,100	30,600	1,034,642
ROOT CROPS HARVESTED FOR SALE							
Cassava (tapioca)	farms 36	31	2	2	-	-	1
	acres 4	(D) 4	(D) 1	(D) 1	-	-	(D) 1
	pounds 2,305	1,895	(D) 40	(D) 40	-	-	(D) 40
Gado	farms -	-	-	-	-	-	-
	acres -	-	-	-	-	-	-
	pounds -	-	-	-	-	-	-
Ginger	farms 49	35	2	4	3	2	3
	acres 7	5	(D) 7	(D) 5	(D) 3	(D) 2	(Z) 3
	pounds 1,586	737	(D) 124	600	(D) 45	(D) 45	45
Jicama (see text)	farms 6	4	-	-	2	-	-
	acres 1	(D) 1	-	-	(D) 1	-	-
	pounds 330	(D) 330	-	-	(D) 330	-	-
Peanuts (see text)	farms 5	4	-	-	-	-	1
	acres 1	(D) 1	-	-	-	-	(D) 1
	pounds 302	(D) 302	-	-	-	-	(D) 302
Sweet potatoes	farms 70	46	4	2	2	4	12
	acres 17	10	(Z) 40	(D) 40	(D) 1,300	(D) 1,300	2
	pounds 8,227	4,492	40	(D) 40	(D) 1,300	1,300	1,895
Taro	farms 79	63	6	-	3	-	7
	acres 13	11	1	-	(Z) 1	-	1
	pounds 8,005	6,095	1,110	-	300	-	500
Yams	farms 56	36	2	-	5	2	11
	acres 12	6	(D) 6	-	(D) 6	(D) 6	(D) 6
	pounds 9,790	5,240	(D) 5,240	-	190	(D) 190	3,200

See footnote(s) at end of table.

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Table 18. 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
ROOT CROPS HARVESTED FOR SALE - Con.							
Other root crops .....farms	15	15	-	-	-	-	-
.....acres	8	8	-	-	-	-	-
.....pounds	5,850	5,850	-	-	-	-	-
VEGETABLES AND MELONS HARVESTED FOR SALE							
Alfalfa and/or bean sprouts (see text) .....farms	10	6	-	-	-	-	4
.....acres	1	1	-	-	-	-	(Z)
.....pounds	246	102	-	-	-	-	144
Beans, winged .....farms	49	33	2	4	-	-	10
.....acres	13	5	(D)	(D)	-	-	6
.....pounds	22,828	3,122	(D)	(D)	-	-	19,180
Beans, yard long .....farms	86	44	4	4	10	5	19
.....acres	53	35	2	(Z)	1	1	14
.....pounds	114,546	69,870	244	1,160	1,902	3,400	37,970
Beans, all other .....farms	14	8	-	-	-	-	6
.....acres	11	6	-	-	-	-	5
.....pounds	3,804	1,380	-	-	-	-	2,424
Bittermelons .....farms	40	9	4	2	6	4	15
.....acres	16	1	2	(D)	(D)	2	10
.....pounds	123,167	973	(D)	(D)	3,000	3,000	115,600
Cabbage, Chinese .....farms	13	-	2	2	3	-	6
.....acres	4	-	(D)	(D)	(D)	-	3
.....pounds	3,880	-	(D)	(D)	450	-	3,170
Cabbage, head .....farms	-	-	-	-	-	-	-
.....acres	-	-	-	-	-	-	-
.....pounds	-	-	-	-	-	-	-
Cantaloupes .....farms	-	-	-	-	-	-	-
.....acres	-	-	-	-	-	-	-
.....pounds	-	-	-	-	-	-	-
Corn (sweet) ⁴ .....farms	11	9	-	-	-	-	2
.....acres	41	(D)	-	-	-	-	(D)
.....pounds	60,294	(D)	-	-	-	-	(D)
Cucumbers .....farms	78	40	-	4	6	5	23
.....acres	54	26	-	1	1	1	25
.....pounds	312,115	41,715	-	2,300	720	9,000	258,380
Eggplant .....farms	162	99	4	8	8	7	36
.....acres	84	53	2	2	1	7	19
.....pounds	202,501	69,037	3,262	1,060	1,080	3,400	124,662
Herbs (see text) .....farms	48	28	5	2	2	-	11
.....acres	7	4	(D)	(D)	(D)	-	2
.....pounds	40,350	36,426	2,480	(D)	(D)	-	1,410
Muskmelons and pepinos .....farms	6	2	-	-	-	-	4
.....acres	3	(D)	-	-	-	-	(D)
.....pounds	10,600	(D)	-	-	-	-	(D)
Okra .....farms	85	42	4	4	5	4	26
.....acres	28	15	1	(Z)	(Z)	1	10
.....pounds	58,785	4,060	2,400	220	720	650	50,735
Onions, green .....farms	49	32	-	2	3	2	10
.....acres	7	4	-	(D)	(D)	(D)	3
.....pounds	13,307	2,712	-	(D)	300	(D)	9,775
Peppers, hot .....farms	219	151	9	9	10	3	37
.....acres	71	53	1	3	1	2	12
.....pounds	66,934	13,794	1,676	970	310	1,248	48,936
Peppers, sweet .....farms	23	17	2	-	2	2	-
.....acres	2	2	(D)	-	(D)	(D)	-
.....pounds	982	490	(D)	-	(D)	(D)	-
Pumpkins and squash .....farms	53	33	2	2	3	2	11
.....acres	9	5	(D)	(D)	(Z)	(D)	2
.....pounds	14,968	3,828	(D)	(D)	600	(D)	8,000
Radishes .....farms	7	5	-	-	-	-	2
.....acres	5	(D)	-	-	-	-	(D)
.....pounds	30,240	(D)	-	-	-	-	(D)
Tomatoes .....farms	95	54	-	6	6	4	25
.....acres	20	7	-	1	1	2	10
.....pounds	100,728	5,255	-	3,890	495	1,248	89,840
Watermelons .....farms	18	6	-	-	-	-	12
.....acres	26	17	-	-	-	-	9
.....pounds	87,160	6,120	-	-	-	-	81,040
Other vegetables and melons .....farms	86	63	4	2	2	-	15
.....acres	44	32	(D)	(D)	(D)	-	7
.....pounds	23,958	9,026	732	(D)	(D)	-	13,360
FRUITS AND NUTS HARVESTED FOR SALE							
Land in bearing and nonbearing fruit trees and plants .....farms	359	260	21	20	10	2	46
.....acres	513	358	22	20	(D)	(D)	89
Avocados .....farms	206	133	12	15	9	4	33
.....trees not of bearing age	346	207	20	3	14	80	22
.....trees of bearing age	835	446	42	134	(D)	(D)	117
.....pounds	29,946	14,517	(D)	3,748	1,100	(D)	9,381
Bananas (all types) .....farms	289	200	12	20	14	4	39
.....trees not of bearing age	8,008	3,266	-	3,000	1,500	(D)	(D)
.....trees of bearing age	36,753	15,900	1,218	7,688	3,616	300	8,031
.....pounds	126,518	42,326	16,280	11,780	10,920	2,872	42,340
Betelnuts .....farms	89	60	2	8	8	-	11
.....trees not of bearing age	1,862	1,572	-	120	30	-	140
.....trees of bearing age	6,307	2,880	(D)	195	3,098	-	(D)
.....pounds	6,955	3,540	(D)	900	1,600	-	(D)
Breadfruits .....farms	149	106	4	7	8	2	22
.....trees not of bearing age	134	90	(D)	-	(D)	-	23
.....trees of bearing age	1,011	806	(D)	24	85	(D)	78
.....pounds	40,143	14,983	(D)	150	1,750	(D)	23,000
Coconuts .....farms	160	122	4	12	7	2	13
.....trees not of bearing age	3,017	2,628	-	69	-	-	320
.....trees of bearing age	3,151	1,915	(D)	198	662	(D)	312
.....pounds	18,620	8,870	180	8,610	280	-	680

See footnote(s) at end of table.

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Table 18. 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
FRUITS AND NUTS HARVESTED FOR SALE - Con.							
Coffee .....farms	18	6	2	-	-	-	10
trees not of bearing age	62	30	(D)	-	-	-	(D)
trees of bearing age	111	39	-	-	-	-	72
pounds	260	30	-	-	-	-	230
Dragon fruit .....farms	70	50	-	2	5	-	13
trees not of bearing age	42	42	-	-	-	-	-
trees of bearing age	1,767	970	-	(D)	(D)	-	681
pounds	19,011	3,781	-	(D)	(D)	-	14,470
Grapefruit .....farms	47	35	4	5	-	-	3
trees not of bearing age	25	17	(D)	-	-	-	(D)
trees of bearing age	471	455	(D)	(D)	-	-	9
pounds	1,705	975	-	130	-	-	600
Guavas .....farms	100	63	8	2	8	-	19
trees not of bearing age	81	68	-	-	(D)	-	(D)
trees of bearing age	580	373	54	(D)	(D)	-	115
pounds	8,209	1,515	234	(D)	(D)	-	6,170
Lemons and limes .....farms	247	164	15	18	12	2	36
trees not of bearing age	1,100	558	(D)	(D)	3	-	485
trees of bearing age	4,604	2,825	192	539	(D)	(D)	916
pounds	72,158	42,187	1,720	5,305	330	-	22,616
Mangoes .....farms	238	171	14	10	14	-	29
trees not of bearing age	453	353	72	(D)	(D)	-	20
trees of bearing age	1,475	1,226	26	47	50	-	126
pounds	25,790	20,120	600	2,600	1,200	-	1,270
Oranges .....farms	30	20	-	5	2	-	3
trees not of bearing age	21	3	-	3	-	-	15
trees of bearing age	219	(D)	-	(D)	(D)	-	-
pounds	340	120	-	(D)	(D)	-	-
Papayas .....farms	207	147	2	12	10	4	32
trees not of bearing age	545	188	-	3	(D)	(D)	150
trees of bearing age	4,674	1,961	(D)	(D)	257	216	2,152
pounds	29,613	10,263	(D)	2,260	1,400	(D)	14,640
Pineapples .....farms	65	53	6	-	3	-	3
plants not of bearing age	283	266	8	-	9	-	-
plants of bearing age	2,865	2,233	620	-	-	-	12
pounds	1,076	884	72	-	-	-	120
Soursops .....farms	157	101	10	12	10	-	24
vines not of bearing age	151	105	(D)	-	15	-	21
vines of bearing age	1,622	654	24	316	29	-	599
pounds	26,106	2,430	(D)	1,190	(D)	-	21,870
Starfruits .....farms	84	50	8	10	7	2	7
trees not of bearing age	22	10	(D)	-	-	-	(D)
trees of bearing age	184	113	(D)	26	14	(D)	13
pounds	1,962	1,422	(D)	310	-	-	(D)
Sweetsops .....farms	112	75	10	4	8	2	13
trees not of bearing age	105	86	(D)	-	(D)	-	(D)
trees of bearing age	812	391	20	36	(D)	(D)	148
pounds	2,431	1,371	60	270	60	-	670
Tangerines .....farms	43	35	4	2	-	-	2
trees not of bearing age	35	(D)	(D)	-	-	-	-
trees of bearing age	466	430	(D)	(D)	-	-	(D)
pounds	973	763	(D)	-	-	-	(D)
Other fruits, nuts, and tree crops .....farms	131	87	8	8	7	2	19
plants or trees not of bearing age	110	40	32	-	-	-	38
plants or trees of bearing age	676	442	(D)	17	51	(D)	156
pounds	5,920	1,920	(D)	(D)	500	-	3,310
NURSERY CROPS AND HEMP (INCLUDING ORNAMENTAL PLANTS) (SEE TEXT)							
Bedding/Garden Plants (see text) .....farms	19	10	-	-	2	-	7
acres in open field	5	(Z)	-	-	-	-	5
sq. ft. under protection	5,935	(D)	-	-	(D)	-	(D)
Cut flowers/Cut florist greens (see text) .....farms	9	-	5	-	2	-	2
acres in open field	(D)	-	-	-	-	-	(D)
sq. ft. under protection	2,129	-	(D)	-	(D)	-	(D)
Foliage plants, indoor (see text) .....farms	9	5	-	-	-	-	4
acres in open field	2	(D)	-	-	-	-	(D)
sq. ft. under protection	49,260	(D)	-	-	-	-	(D)
Other floriculture and bedding (see text) .....farms	6	2	-	-	-	-	4
acres in open field	3	(D)	-	-	-	-	(D)
sq. ft. under protection	68,740	(D)	-	-	-	-	(D)
Nursery stock (see text) .....farms	7	2	-	-	-	-	5
acres in open field	(D)	(D)	-	-	-	-	-
sq. ft. under protection	1,680	-	-	-	-	-	1,680
Potted flowering plants (see text) .....farms	28	15	-	2	2	-	9
acres in open field	5	(D)	-	(D)	-	-	3
sq. ft. under protection	50,287	75	-	-	(D)	-	(D)
Hemp (see text) .....farms	-	-	-	-	-	-	-
acres in open field	-	-	-	-	-	-	-
sq. ft. under protection	-	-	-	-	-	-	-
LIVESTOCK, POULTRY, AQUACULTURE AND THEIR PRODUCTS							
Inventory							
Carabaos .....farms	2	2	-	-	-	-	-
number	(D)	(D)	-	-	-	-	-
All cattle and calves .....farms	37	20	-	7	2	2	6
number	237	108	-	35	(D)	(D)	40
Cows (see text) .....farms	35	20	-	7	2	2	4
number	214	105	-	35	(D)	(D)	20
Other cattle and calves .....farms	9	3	-	-	-	-	6
number	23	3	-	-	-	-	20
Hogs and pigs of all ages .....farms	42	23	-	8	3	2	6
number	1,011	544	-	120	(D)	(D)	214
Goats and kids of all agesfarms	29	16	-	5	-	-	8
number	512	438	-	20	-	-	54

See footnote(s) at end of table.

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Table 18. 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
LIVESTOCK, POULTRY, AQUACULTURE AND THEIR PRODUCTS - Con.							
Inventory - Con.							
Horses, mules, and colts of all ages .....farms	6	6	-	-	-	-	-
.....number	28	28	-	-	-	-	-
Other livestock .....farms	11	6	-	-	-	-	5
.....number	209	22	-	-	-	-	187
Chicken hens 4 months old or older .....farms	134	77	6	17	12	2	20
.....number	9,280	3,312	(D)	355	1,318	(D)	4,013
Commercial layers .....farms	111	61	4	14	10	2	20
.....number	6,243	1,815	(D)	238	655	(D)	3,373
Other chicken hens .....farms	72	44	2	8	12	2	4
.....number	3,037	1,497	(D)	117	663	(D)	640
Chickens under 4 months old .....farms	22	11	2	3	-	-	6
.....number	2,959	628	(D)	(D)	-	-	2,250
Roosters and pullets .....farms	78	44	4	8	5	2	15
.....number	1,847	937	(D)	455	42	(D)	347
Ducks .....farms	32	14	4	8	-	2	4
.....number	855	408	(D)	205	-	(D)	208
Pigeons .....farms	2	2	-	-	-	-	-
.....number	(D)	(D)	-	-	-	-	-
Other poultry .....farms	-	-	-	-	-	-	-
.....number	-	-	-	-	-	-	-
Sales							
Carabaos .....farms	-	-	-	-	-	-	-
.....number	-	-	-	-	-	-	-
All cattle and calves .....farms	8	-	-	2	2	-	4
.....number	20	-	-	(D)	(D)	-	(D)
Cows (see text) .....farms	8	-	-	2	2	-	4
.....number	16	-	-	(D)	(D)	-	(D)
Other cattle and calves .....farms	4	-	-	-	-	-	4
.....number	4	-	-	-	-	-	4
Hogs and pigs of all ages .....farms	17	3	-	8	-	2	4
.....number	128	(D)	-	75	-	(D)	24
Goats and kids of all ages .....farms	5	2	-	3	-	-	-
.....number	10	(D)	-	(D)	-	-	-
Horses, mules, and colts of all ages .....farms	-	-	-	-	-	-	-
.....number	-	-	-	-	-	-	-
Other livestock .....farms	5	-	-	-	-	-	5
.....number	8,000	-	-	-	-	-	8,000
Chicken hens 4 months old or older .....farms	16	8	-	-	-	-	8
.....number	2,168	98	-	-	-	-	2,070
Commercial layers .....farms	16	8	-	-	-	-	8
.....number	(D)	98	-	-	-	-	(D)
Other chicken hens .....farms	2	-	-	-	-	-	2
.....number	(D)	-	-	-	-	-	(D)
Chickens under 4 months old .....farms	3	-	-	-	-	-	3
.....number	1,500	-	-	-	-	-	1,500
Roosters and pullets .....farms	3	3	-	-	-	-	-
.....number	15	15	-	-	-	-	-
Ducks .....farms	3	3	-	-	-	-	-
.....number	9	9	-	-	-	-	-
Pigeons .....farms	-	-	-	-	-	-	-
.....number	-	-	-	-	-	-	-
Chicken eggs .....farms	43	19	4	5	2	-	13
.....dozens	21,702	590	1,060	(D)	(D)	-	18,640
Other poultry and poultry products (excluding chicken eggs) .....farms	-	-	-	-	-	-	-
.....number	-	-	-	-	-	-	-
Fish and other aquaculture products .....farms	15	12	-	-	1	-	2
.....pounds	(D)	917	-	-	(D)	-	(D)

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

Appendix A.

Census of Agriculture Methodology

INTRODUCTION

The purpose of the Census of Agriculture is to enumerate all members of a population with a defined characteristic. For the Guam Census of Agriculture, 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 Guam, 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 Cooperative Extension and Outreach Service of the University of Guam, and the Guam Department of Agriculture. The statistics on this report were collected during the spring of 2024.

THE CENSUS POPULATION

For the 2023 Guam 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 Guam Census of Agriculture and potential agricultural places provided by the Cooperative Extension and Outreach Service of the University of Guam, and the Guam Department of Agriculture and a variety of other agriculture-related lists. The list of potential agricultural places was matched to the 2018 Guam 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 University of Guam and

their Cooperative Extension and Outreach Service, the Guam Department of Agriculture, 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 University of Guam and its Cooperative Extension and Outreach Service, the Guam Department of Agriculture, and other USDA agencies to successfully secure their support in promoting the census among their constituencies. Stakeholders partnered with NASS to promote the 2023 Guam 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 extension agents on radio public service announcements promoting the importance of the 2023 Guam 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 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 Guam Census of Agriculture, and in the 2018 Guam Census of Agriculture, enumeration was based on a list of farm producers compiled by the Cooperative Extension and Outreach Service of the University of Guam, and the Guam Department of Agriculture.

The enumerators contacted all persons or operations engaged in agriculture in their assigned area 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 Guam. 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 Guam Census of Agriculture was prepared by NASS, in cooperation with the University of Guam, College of Natural and Applied Sciences, and its Cooperative Extension and Outreach Service; the Guam Department of Agriculture; and various USDA agencies. Based on their comments, the content of the 2023 census report has been updated to reflect the Guam agriculture. Changes on the report form are summarized in Appendix B.

Training Program

The project manager, and enumerators employed for the census in Guam 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 Guam. 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 territories, Guam, the Commonwealth of the Northern Mariana Islands, American Samoa, and the U.S. Virgin Islands. The combined error rate for all four territories 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's 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 Guam 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 Guam 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 Guam 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.

Appendix B.

General Explanation and Census of Agriculture Report Form

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 Guam. 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 Guam was prepared by NASS, in cooperation with an inter-agency working group that include members of the University of Guam, College of Natural and Applied Sciences, the Cooperative Extension and Outreach, the Guam Department of Agriculture, and other data users. A summary of changes on the report form reflecting Guam'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.

Added items include:

- Section 2, “Root Crops”
 - Jicama and peanuts were added as response options.
 - In 2018 and prior years, jicama and peanuts were included in “Other root crops”.
 - Ginger was expanded to include “turmeric and yellow ginger”.
 - Represents crops harvested for sale in 2023.
- Section 3, “Vegetables and Melons”
 - Corn was defined as “sweet corn” for specificity.
 - Radishes were expanded to include “Red and Chinese.”
 - Herbs were added as response options.
 - Represents crops harvested for sale in 2023.
- Section 4, “Fruit and Nuts”
 - Nursery crops were removed from this section and placed along with hemp under Section 5.
 - Represents crops grown or harvested for sale in

2023.

- Section 5, “Nursery Crops and Hemp”
 - An extended section was created 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, all nursery crops were collected under the data item “Nursery crops.”
 - Hemp was added as a new response option.
 - 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 reported for each poultry bird type.
- Section 10, “Production Expenses” – Additional expense items were added:
 - Repairs, supplies, and maintenance costs.
 - Gasoline, fuels, and oils purchased.
 - Water expenses.
 - Transportation costs.
- Section 12, “Practices”
 - Additional items were added for practices regarding land use such as: fallow land, crop rotation, pasture rotation, and plant grass for land improvement, and use of high tunnel systems.
 - 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 power lines 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 provide a detailed description of specific terms and phrases used in this publication. Report form section number references refer to the Guam Census of Agriculture report form, 23-A1(GU). Many of the definitions are the same as those used in earlier censuses.

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 land area harvested, both square feet under cover and acres in the open were collected, along with 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 is considered to 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 producer. By definition, the number of producers is the same as the number of farms.

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.

Fish and Other Aquaculture. Includes catfish, milkfish, shrimp, tilapia, and other aquaculture products.

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 poultry birds kept on the farm.

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

Age of producer - Producers were classified by age into six

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, 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.

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 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.

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

<h2 style="margin: 0;">2023 CENSUS OF AGRICULTURE</h2>				
		<h1 style="margin: 0;">GUAM</h1>		
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
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.				
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

21183017



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

		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 (include tumeric and yellow ginger)	0078	<input type="checkbox"/>	/10	0079	
4. Jicama	0583	<input type="checkbox"/>	/10	0584	
5. Peanuts	0585	<input type="checkbox"/>	/10	0586	
6. Sweet potatoes	0769	<input type="checkbox"/>	/10	0770	
7. Taro	0774	<input type="checkbox"/>	/10	0775	
8. Yams	0784	<input type="checkbox"/>	/10	0785	

9. Other root crops – Specify ↴

0096	<input type="checkbox"/>		/10	0095	
0587	<input type="checkbox"/>		/10	0510	

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

Dollars	
\$	.00

SECTION 3 VEGETABLES AND MELONS

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

0003 ¹ Yes - Complete this section ³ 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 (microgreens)	0755	<input type="checkbox"/>	None	0756
2	Beans, winged	0114	<input type="checkbox"/>		0115
3	Beans, yard-long	0102	<input type="checkbox"/>		0103
4	Beans, all other varieties	0104	<input type="checkbox"/>		0105
5	Bittermelons.	0106	<input type="checkbox"/>		0107
6	Cabbage, Chinese	0108	<input type="checkbox"/>		0109
7	Cabbage, head	0110	<input type="checkbox"/>		0111
8	Cantaloupes.	0112	<input type="checkbox"/>		0113
9	Corn (sweet).	0690	<input type="checkbox"/>		0691
10	Cucumbers.	0695	<input type="checkbox"/>		0696
11	Eggplant	0700	<input type="checkbox"/>		0701
12	Herbs	0720	<input type="checkbox"/>		0721
13	Muskmelons.	0128	<input type="checkbox"/>		0129
14	Okra	0130	<input type="checkbox"/>		0131
15	Onions, green	0715	<input type="checkbox"/>		0716
16	Pepino melons	0144	<input type="checkbox"/>		0145
17	Peppers, hot	0134	<input type="checkbox"/>		0135
18	Peppers, sweet	0764	<input type="checkbox"/>		0765
19	Pumpkins and squash	0138	<input type="checkbox"/>		0139
20	Radishes (include Red and Chinese)	0750	<input type="checkbox"/>		0751
21	Tomatoes (Include both standard and cherry tomatoes)	0779	<input type="checkbox"/>		0780
22	Watermelons	0800	<input type="checkbox"/>		0801

23. Other vegetables and melons – Specify

0149	<input style="width: 100%; height: 20px;" type="text"/>	<input type="checkbox"/>		/10	0151
0152	<input style="width: 100%; height: 20px;" type="text"/>	<input type="checkbox"/>		/10	0154

24. 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 1 Yes - Complete this section 3 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. Coffee 0462	<input type="checkbox"/>	0463	0464	
7. Dragon Fruit 0196	<input type="checkbox"/>	0197	0198	
8. Grapefruit 0175	<input type="checkbox"/>	0176	0940	
9. Guavas 0178	<input type="checkbox"/>	0179	0180	
10. Lemons and limes 0181	<input type="checkbox"/>	0182	0183	
11. Mangoes 0184	<input type="checkbox"/>	0185	0955	
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. Sweetsops 0205	<input type="checkbox"/>	0206	0207	
18. Tangerines 0208	<input type="checkbox"/>	0209	0210	
19. Other fruits and nuts - Specify ↴				
0979	<input type="checkbox"/>			
0214	<input type="checkbox"/>	0211	0212	0516
	<input type="checkbox"/>	0215	0216	0217

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

Dollars	
\$	.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"/>				/10	0415 \$.00
0416 <input type="text"/>				/10	0419 \$.00
6. Nursery stock 0420	<input type="checkbox"/>			/10	0422 \$.00
7. Hemp 0817	<input type="checkbox"/>			/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 0473			
2 <input type="checkbox"/> River or stream 4 <input type="checkbox"/> Canal or irrigation district 6 <input type="checkbox"/> Other – Specify			

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. Carabaos of all ages 0632	<input type="checkbox"/>		0633	0634 \$.00
2. Cattle and calves of all ages (Total of "a" and "b" below) 0240	<input type="checkbox"/>		0241	0242 \$.00
a. Cows 0480	<input type="checkbox"/>		0481	1000 \$.00
b. All other cattle and calves 0248	<input type="checkbox"/>		0249	0250 \$.00
3. Hogs and pigs of all ages 0252	<input type="checkbox"/>		0253	0254 \$.00
4. Goats and kids of all ages 0274	<input type="checkbox"/>		0275	0593 \$.00
5. Horses, mules, and colts of all ages . . . 0256	<input type="checkbox"/>		0257	0258 \$.00
6. Other livestock - Specify <input type="checkbox"/>				
0626 <input type="text"/>	0268 <input type="checkbox"/>		0269	1010 \$.00
0627 <input type="text"/>	0628 <input type="checkbox"/>		0629	1012 \$.00
			None	Quarts sold
7. Quantity and value of milk sold in 2023 0277	<input type="checkbox"/>			0278 \$.00
				Value of sales

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. Chicken hens 4 months old and over (Total of "a" and "b" below) 0292	<input type="checkbox"/>		0293	0512 \$.00
a. Commercial layers 0294	<input type="checkbox"/>		0295	0513 \$.00
b. Other chicken hens 0296	<input type="checkbox"/>		0297	0596 \$.00
2. Chickens less than 4 months old 0300	<input type="checkbox"/>		0301	0597 \$.00
3. Roosters and pullets 0302	<input type="checkbox"/>		0303	0598 \$.00
4. Ducks 0306	<input type="checkbox"/>		0307	0599 \$.00
5. Pigeons 0308	<input type="checkbox"/>		0309	0618 \$.00
6. Other (geese, turkeys, etc.) - Specify <input type="checkbox"/>				
0620 <input type="text"/>	0264 <input type="checkbox"/>		0265	0619 \$.00
0621 <input type="text"/>	0622 <input type="checkbox"/>		0623	0624 \$.00
			None	Dozens sold
7. Quantity and value of chicken eggs sold in 2023 0273	<input type="checkbox"/>			0313 \$.00
				Value of sales



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

- How many in-ground ponds did you use? 0281
- How many above-ground tanks did you use? 0282
- Enter the total of aquaculture products sold or moved from this operation during 2023.

Aquaculture Type	None	Total Pounds Sold or Moved	Total Number Sold or Moved
Catfish	<input type="checkbox"/>	0314	0315
Milkfish	<input type="checkbox"/>	0316	0317
Shrimp	<input type="checkbox"/>	0286	0319
Tilapia	<input type="checkbox"/>	0283	0506
Other aquaculture products, Specify 0507	<input type="checkbox"/>	0508	0509

What was the value of sales of aquaculture products sold from this place in 2023? 0505 None Dollars \$.00

SECTION 10 PRODUCTION EXPENSES

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

- | | None | Dollars |
|---|--------------------------|-----------------------------|
| 1. Machine hire and customwork 0341 | <input type="checkbox"/> | \$ <input type="text"/> .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"/> | \$ <input type="text"/> .00 |
| 3. Repairs, supplies, and maintenance costs for the farm business 0821 | <input type="checkbox"/> | \$ <input type="text"/> .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"/> | \$ <input type="text"/> .00 |
| 5. Water expenses - Include water used for irrigation 0349 | <input type="checkbox"/> | \$ <input type="text"/> .00 |
| 6. Transportation costs (excluding fuel expenses) 0340 | <input type="checkbox"/> | \$ <input type="text"/> .00 |
| 7. Livestock, poultry, and fish purchased 0346 | <input type="checkbox"/> | \$ <input type="text"/> .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"/> | \$ <input type="text"/> .00 |
| 9. Insecticides, fungicides, and herbicides 0344 | <input type="checkbox"/> | \$ <input type="text"/> .00 |
| 10. Fertilizers and manure purchased 0345 | <input type="checkbox"/> | \$ <input type="text"/> .00 |
| 11. Seed costs - include seedlings purchased 0347 | <input type="checkbox"/> | \$ <input type="text"/> .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?
- b. Of the paid farm workers (hired workers and paid members of the producer's family), how many worked?

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

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

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

Year

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 4 100 - 149 days
2 1 - 49 days 5 150 - 199 days
3 50 - 99 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.

3. RESIDENCE OF PRODUCER	a. ED 0980	b. Village 0999	
4. LOCATION OF LAND	a. ED 0932	b. ED number 0931	
5. CERTIFIED BY	Enumerator's signature 0984	Enumerator code 9997	Date 0985
			/ /2024
6. CHECKED BY	Supervisor's signature 0986	Supervisor's code 9969	Date 0987
			/ /2024
7. RESPONSE	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
8. TYPE OF DATA COLLECTION	9903 1 <input type="checkbox"/> In person	2 <input type="checkbox"/> By phone	3 <input type="checkbox"/> Other

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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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