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Northern Mariana Islands (2018)

Commonwealth and Island Data

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Acknowledgments

The U.S. Department of Agriculture's National Agricultural Statistics Service (NASS) conducted the 2018 Census of Agriculture for the Commonwealth of the Northern Marian Islands (CNMI), analyzed the data, and prepared this and other reports. The census provides a comprehensive picture of the CNMI's agriculture in 2018, 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 and ranchers across the CNMI. Recognizing that participating in the census is their responsibility and gives them a voice in their future, agricultural operators took the time to provide the information requested. We are grateful to every operator who participated in the 2018 CNMI Census of Agriculture.

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

Numerous farm organizations and media outlets were also instrumental in building awareness of the census and encouraging farmers and ranchers 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 2018 census is the 7th census of agriculture of the Commonwealth of the Northern Mariana Islands. The first agriculture census was taken in 1970 in conjunction with the decennial census, a practice that continued in 1980 and 1990. The 1997 Census was the first agriculture census taken in the CNMI that was not done as part of the population census.

USES OF CENSUS DATA

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

suffer damages and losses due to natural disasters, such as typhoons.

LEGAL AUTHORITY

The census of agriculture is required by law under the "Census of Agriculture Act of 1997," Public Law 105-113 (Title 7, United States Code, Section 2204g). The law directs the Secretary of Agriculture to conduct a census of agriculture every fifth year. The census of agriculture includes each State, Puerto Rico, Guam, the U.S. Virgin Islands, the Commonwealth of Northern Mariana Islands, and American Samoa.

The data for the 2018 CNMI Census of Agriculture were collected in accordance with a Cooperative Agreement approved by the Director of the Census and Survey Division of NASS and by the CNMI Secretary of Commerce.

FARM DEFINITION

The statistics collected in the census relate to places with agricultural operations qualifying as farms according to the census definition. In the CNMI, this included all places from which \$1,000 or more of agricultural products were produced and sold, or normally would have been sold, during the 12-month period between January 1 and December 31, 2018. The farm definition is the same that was used for the 2007 CNMI Census of Agriculture, and is the same definition used for the rest of the U.S.

DATA COMPARABILITY

In general, the data from the 2018 census are comparable with those of previous censuses. All dollar values presented in this report are in current dollars, i.e., 2018 data are expressed in 2018 dollars and 2007 data in 2007 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, poultry, and 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, 2018.

TABLES AND APPENDICES

Tables 1 through 13 show detailed island data accompanied by historic data from the previous census. Tables 14 through 28 show selected data items presented by municipalities. Tables 29 through 32 provide 2018 area data cross-tabulated by tenure of operator, age of operator, 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 can be developed to individual user specifications on a programming cost

reimbursable basis. Quick Stats, NASS's online database that allows data users to build customized queries, should be investigated before requesting a custom tabulation.

All custom tabulations are subject to a thorough disclosure review prior to release to prevent the disclosure of any individual respondent data. Requests for custom tabulations can be submitted via the internet from the NASS home page, by mail, or by e-mail to:

DataLab
National Agricultural Statistics Service
Room 5305A, Stop 2054
1400 Independence Avenue, S.W.
Washington, DC 20250-2054
or Datalab@nass.usda.gov

ABBREVIATIONS AND SYMBOLS

The following abbreviations and symbols are used throughout the tables:

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

Northern Mariana Islands Map

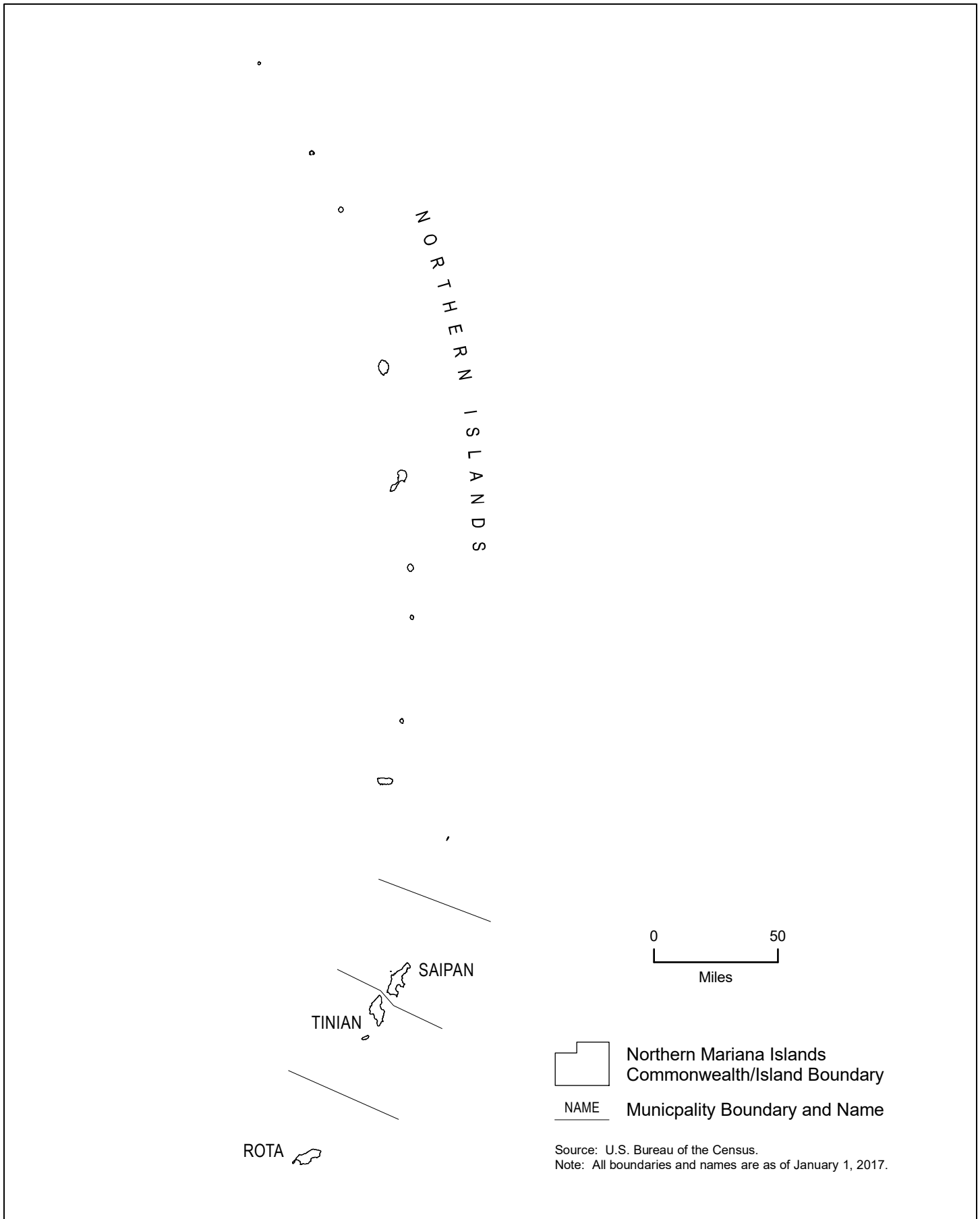


Table 1. Farms, Land in Farms, and Land Use: 2018 and 2007

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

All farms	2018	2007	All farms	2018	2007
Farms number	253	256	Total cropland - Con.		
Land in farms acres	1,515	4,013	Other farms	18	91
Average size of farm acres	6.0	15.7	..... acres	60	235
Approximate land area acres	117,760	117,760	Pasture or grazing land farms	65	75
Proportion in farms percent	1.3	3.4	..... acres	924	2,955
Total cropland farms	170	213	Woodland farms	12	30
..... acres	431	773	..... acres	35	192
Harvested farms	166	208	Other land farms	109	127
..... acres	372	538	..... acres	125	93

Table 2. Farms and Land in Farms by Size of Farm: 2018 and 2007

[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 acres	2 to 4 acres	4 to 8 acres	8 to 10 acres	10 to 20 acres	20 to 40 acres	40 to 50 acres	50 acres or more
Farms number, 2018	253	72	30	61	45	5	18	15	2	5
..... number, 2007	256	23	51	58	40	9	38	13	4	20
Percent of farms number, 2018	100	28.5	11.9	24.1	17.8	2.0	7.1	5.9	0.8	2.0
..... number, 2007	100	9.0	19.9	22.7	15.6	3.5	14.8	5.1	1.6	7.8
Land in farms acres, 2018	1,515	23	(D)	151	237	44	232	391	(D)	316
..... acres, 2007	4,013	12	74	164	222	72	490	378	191	2,410
Percent distribution number, 2018	100	1.5	(D)	10.0	15.6	2.9	15.3	25.8	(D)	20.9
..... number, 2007	100	0.3	1.8	4.1	5.5	1.8	12.2	9.4	4.8	60.1
Average size of farm number, 2018	6.0	0.3	(D)	2.5	5.3	8.9	12.9	26.0	(D)	63.2
..... number, 2007	15.7	0.5	1.5	2.8	5.6	8.0	12.9	29.1	47.7	120.5

Table 3. Tenure and Characteristics of Operators: 2018 and 2007

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

Item	2018	2007	Item	2018	2007
TENURE OF OPERATOR			OPERATOR CHARACTERISTICS - Con.		
Operators farms	253	256	Operators by age group: - Con.		
..... acres	1,515	4,013	35 to 44 years farms	28	53
Total Cropland farms	170	213	45 to 54 years farms	75	79
..... acres	431	773	55 to 64 years farms	77	75
Full owners farms	162	141	65 years and over farms	56	35
Total Cropland farms	108	132	Average age farms	55	52
..... acres	256	471	Operators by main occupation:		
Part owners farms	9	5	Agricultural number	171	140
..... acres	211	166	Nonagricultural number	82	116
Total Cropland farms	4	3	Operators by days of work off farm:		
..... acres	(D)	22	None farms	39	68
Tenants farms	82	110	Any farms	214	188
..... acres	687	2,766	1 to 49 days farms	24	19
Total Cropland farms	58	78	50 to 99 days farms	27	15
..... acres	(D)	281	100 to 149 days farms	12	7
OPERATOR CHARACTERISTICS			150 to 199 days farms	35	20
Operators by place of residence:			200 days or more farms	116	127
On farm operated farms	156	66	Operators by race:		
Not on farm operated farms	97	190	Chamorro farms	150	184
Operators by years on present farm:			Chinese farms	15	27
2 years or less farms	24	48	Filipino farms	36	15
3 to 4 years farms	40	39	Japanese farms	1	1
5 to 9 years farms	48	41	White farms	6	6
10 years or more farms	141	128	Other farms	45	23
Operators by sex:			Operators by citizenship:		
Male farms	202	226	U.S. citizen born in CNMI farms	167	188
Female farms	51	30	U.S. citizen born in other state or territory farms	13	10
Operators by age group:			Naturalized U.S. citizen farms	18	13
Under 35 years farms	17	14	Not a U.S. citizen farms	55	45

Table 4. Computer Use and Agricultural Practices: 2018

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

Farms	2018	Farms	2018
Computers used for the farm business	29	Internet access - Con.	
No computers used for the farm business	224	Broadband over power lines (BPL)	5
Internet access	148	Other type of service	-
Dial-up service	-	No internet access	105
DSL service	31	Fallow land	44
Cable modem service	-	Rotate crops	55
Fiber-optic service	-	Build paddocks for pasture rotation	32
Mobile broadband plan for a computer or cellphone	112	Planted grasses for land improvement	20
Satellite service	-	Employed Freely Associated States citizens	13

Table 5. Farm Characteristics: 2018 and 2007

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

Item	2018	2007	Item	2018	2007
LABOR STATUS			SELECTED EQUIPMENT - Con.		
Farms	253	256	Motortrucks	23	88
workers	551	676	number	24	99
Unpaid labor	204	217	Automobiles	212	166
workers	386	344	number	298	201
Less than 25 days	4	14	Tillers (all kinds)	58	96
workers	6	22	number	151	110
25 to 149 days	20	45			
workers	35	76	TYPE OF ORGANIZATION		
150 days or more	184	174	Individual	218	232
workers	345	246	Partnership	9	10
Paid labor	86	178	Corporation	23	13
workers	165	332	Other	3	1
Less than 25 days	12	17	TYPE OF LAND OWNERSHIP		
workers	30	50	Farms	253	256
25 to 149 days	12	26	acres	1,515	4,013
workers	15	40	Owned	171	146
150 days or more	62	144	acres	663	1,148
workers	120	242	Rented from others	91	115
			acres	853	2,865
			Rented to others	-	-
			acres	-	-
SELECTED EQUIPMENT					
Tractors (all kinds)	45	88			
number	55	99			

Table 6. Irrigation: 2018 and 2007

[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	2018	2007	Farms with irrigation	2018	2007
Land irrigated	205	165	Farms by major source of irrigation water:		
acres	780	341	Well or cistern	34	27
Private system	50	40	River or stream	-	8
acres	309	91	Lake or private pond	-	-
Public system	177	125	Canal or irrigation district	-	-
acres	471	250	Public utility	163	126
Public system water rate:			Other	8	4
Agricultural	27	34			
Residential	150	95			

Table 7. Market Value of Agricultural Products Sold: 2018 and 2007

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

Item	Farms		Value (dollars)	
	2018	2007	2018	2007
Total sales	253	256	1,580,081	2,409,513
Average per farm	(X)	(X)	6,245	9,412
Farms by value of sales:				
Less than \$1,200	132	20	23,299	24,385
\$1,200 to \$2,499	26	68	44,940	114,952
\$2,500 to \$4,999	29	49	91,445	174,365
\$5,000 to \$7,499	15	42	88,830	249,645
\$7,500 to \$9,999	9	18	80,990	153,950
\$10,000 or more	42	59	1,250,577	1,692,216
Sales by commodity group or product:				
Root crops	43	106	(D)	638,498
Vegetables and melons	64	110	638,609	631,470
Fruits and nuts	66	115	(D)	401,664
Nursery crops (including ornamental plants)	19	17	186,390	178,311
Livestock and livestock products	46	98	134,175	279,485
Poultry and poultry products	43	18	214,201	214,360
Fish and other aquaculture products	3	5	(D)	65,725

Table 8. Selected Farm Production Expenses: 2018 and 2007

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

Item	Farms		Expenses (dollars)	
	2018	2007	2018	2007
Machine hire and customwork	71	128	162,811	174,561
Hired farm labor	86	170	960,863	991,394
Feed purchased for livestock, poultry, and fish	92	70	244,180	215,870
Insecticides, fungicides, and herbicides	71	132	44,937	52,160
Fertilizers and manure purchased	95	158	93,777	109,615
Livestock, poultry, and fish purchased	24	18	19,560	18,350
Seed cost (including seedlings)	66	100	32,808	57,405
Gasoline, fuels and oils purchased	196	(NA)	235,556	(NA)
Water	185	(NA)	254,042	(NA)
Transportation cost (excluding fuel expenses)	79	(NA)	136,545	(NA)

Table 9. Root Crops Harvested for Sale: 2018 and 2007

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

Crop	2018	2007	Crop	2018	2007		
						Cassava (tapioca)	farms	32	47	Taro .....	farms	40	69
	acres	21	11		acres	20	61
	pounds	21,951	30,346		pounds	83,189	221,595
Gado	farms	3	3	Yams	farms	18	41
	acres	(D)	1		acres	4	20
	pounds	(D)	1,050		pounds	3,450	67,769
Ginger	farms	16	7	Other root crops	farms	2	12
	acres	4	1		acres	(D)	3
	pounds	15,290	1,490		pounds	(D)	6,152
Sweet potatoes	farms	43	58				
	acres	35	71				
	pounds	153,388	352,340				

Table 10. Vegetables and Melons Harvested for Sale: 2018 and 2007

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

Crop	2018	2007	Crop	2018	2007
Alfalfa and/or bean sprouts .....farms	2	(NA)	Muskmelons .....farms	3	4
.....pounds	(D)	(NA)	.....acres	(Z)	1
Beans, yard long .....farms	30	70	.....pounds	1,040	1,210
.....acres	10	14	Okra .....farms	47	53
.....pounds	22,827	40,215	.....acres	12	8
Beans, all other .....farms	15	30	.....pounds	24,588	17,635
.....acres	5	6	Onions, green .....farms	36	52
.....pounds	11,288	14,320	.....acres	11	7
Bittermelons .....farms	30	52	.....pounds	11,495	16,390
.....acres	10	7	Peppers, hot .....farms	68	69
.....pounds	23,196	29,548	.....acres	21	13
Cabbage, Chinese .....farms	9	51	.....pounds	38,269	32,270
.....acres	3	7	Peppers, sweet .....farms	7	17
.....pounds	5,027	38,150	.....acres	11	3
Cabbage, head .....farms	2	8	.....pounds	4,140	4,370
.....acres	(D)	1	Pumpkins and squash .....farms	42	57
.....pounds	(D)	2,515	.....acres	14	10
Cantaloupes .....farms	2	7	.....pounds	38,767	67,995
.....acres	(D)	1	Radishes .....farms	19	47
.....pounds	(D)	13,120	.....acres	11	7
Corn ¹ .....farms	20	43	.....pounds	12,690	35,830
.....acres	9	8	Tomatoes .....farms	47	64
.....pounds	18,421	26,935	.....acres	22	10
Cucumbers .....farms	41	60	.....pounds	56,383	44,355
.....acres	20	16	Watermelons .....farms	16	22
.....pounds	66,902	93,795	.....acres	13	18
Eggplant .....farms	67	68	.....pounds	31,740	150,190
.....acres	21	11	Other vegetables and melons .....farms	21	24
.....pounds	29,722	47,250	.....acres	14	4
			.....pounds	20,672	24,820

¹ Includes dry and green corn.

Table 11. Fruits, Nuts, and Nursery Crops (including ornamental plants) Harvested for Sale: 2018 and 2007

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

Crop	2018	2007	Crop	2018	2007
Land in bearing and nonbearing fruit and nut trees and plants .....farms	150	141	Oranges .....farms	17	29
.....acres	221	244	.....trees not of bearing age	33	23
Avocados .....farms	45	42	.....trees of bearing age	61	89
.....trees not of bearing age	242	304	.....pounds	1,580	3,135
.....trees of bearing age	197	306	Papayas .....farms	74	83
.....pounds	4,551	14,285	.....trees not of bearing age	797	2,064
Bananas (all types) .....farms	118	119	.....trees of bearing age	1,217	3,583
.....trees not of bearing age	16,596	19,325	.....pounds	15,433	50,650
.....trees of bearing age	17,076	16,527	Pineapples .....farms	16	24
.....pounds	79,135	146,940	.....trees not of bearing age	252	2,125
Betelnuts .....farms	62	70	.....trees of bearing age	321	1,023
.....trees not of bearing age	8,645	23,617	.....pounds	780	2,060
.....trees of bearing age	8,640	37,503	Soursops .....farms	55	48
.....pounds	31,035	88,253	.....trees not of bearing age	160	113
Breadfruits .....farms	40	42	.....trees of bearing age	371	444
.....trees not of bearing age	57	46	.....pounds	7,770	8,075
.....trees of bearing age	101	216	Starfruits .....farms	19	24
.....pounds	6,200	4,774	.....trees not of bearing age	12	32
Coconuts .....farms	84	82	.....trees of bearing age	30	71
.....trees not of bearing age	1,130	2,999	.....pounds	1,080	693
.....trees of bearing age	2,669	5,205	Sweetsops .....farms	38	41
.....pounds	27,305	42,910	.....trees not of bearing age	654	364
Grapefruit .....farms	18	14	.....trees of bearing age	251	635
.....trees not of bearing age	15	1	.....pounds	1,019	1,560
.....trees of bearing age	32	25	Tangerines .....farms	72	50
.....pounds	3,526	1,613	.....trees not of bearing age	220	182
Guavas .....farms	32	36	.....trees of bearing age	417	294
.....trees not of bearing age	(D)	344	.....pounds	8,435	9,060
.....trees of bearing age	325	458	Other fruits, nuts, and tree crops .....farms	30	40
.....pounds	2,591	1,459	.....trees not of bearing age	676	5,510
Lemons and limes .....farms	77	77	.....trees of bearing age	1,043	496
.....trees not of bearing age	504	1,538	.....pounds	13,122	10,116
.....trees of bearing age	795	2,558	Nursery crops (including ornamental plants) .....farms	29	13
.....pounds	12,075	25,716	.....sq.ft. under cover	35,296	2,354
Mangoes .....farms	81	59	.....acres in the open	17	8
.....trees not of bearing age	170	364			
.....trees of bearing age	395	525			
.....pounds	19,490	22,880			

Table 12. Livestock, Poultry, and Their Products: 2018 and 2007

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

Item	2018	2007	Item	2018	2007
INVENTORY			SALES - Con.		
Livestock			Livestock - Con.		
Cattle and calves of all ages	farms 72	63	Cattle and calves of all ages - Con.		
	number 1,156	1,395	Milk cows	farms -	4
Milk cows	farms 4	7		number -	13
	number 6	83	All other cattle and calves	farms 21	57
All other cattle and calves	farms 70	62		number 108	262
	number 1,150	1,312	Hogs and pigs of all ages	farms 30	50
Hogs and pigs of all ages	farms 72	62		number 620	675
	number 1,107	1,483	Goats and kids of all ages	farms 10	8
Goats and kids of all ages	farms 48	19		number 49	43
	number 636	276	Horses, mules, and colts of all ages	farms -	1
Horses, mules, and colts of all ages	farms -	1		number -	(D)
	number -	(D)	Milk	farms 2	-
Other livestock	farms 7	(NA)		quarts (D)	-
	number 60	(NA)	Other livestock	farms 4	(NA)
				number 13	(NA)
Poultry			Poultry		
Chicken hens 4 months old or older	farms 115	41	Chicken hens 4 months old or older	farms 7	8
	number 5,936	6,381		number 375	1,596
Commercial layers	farms 5	2	Commercial layers	farms 1	2
	number (D)	(D)		number (D)	(D)
Other chicken hens	farms 111	40	Other chicken hens	farms 6	6
	number (D)	1,964		number (D)	171
Chickens less than 4 months old	farms 83	46	Chickens less than 4 months old	farms 1	1
	number 2,478	3,319		number (D)	(D)
Roosters and pullets	farms 61	41	Roosters and pullets	farms 4	3
	number 813	951		number 135	100
Fighting roosters	farms 47	26	Fighting roosters	farms 10	7
	number 1,076	1,025		number 262	125
Ducks	farms 42	10	Ducks	farms 3	3
	number 807	351		number 30	140
Pigeons	farms 11	9	Pigeons	farms 1	1
	number 440	343		number (D)	(D)
Other poultry	farms 5	3	Chicken eggs	farms 27	4
	number 46	20		dozens 51,596	196,510
SALES			Other poultry and poultry products		
Livestock			(excluding chicken eggs)		
Cattle and calves of all ages	farms 21	59		farms -	1
	number 108	275		number -	(D)

Table 13. Fish and Other Aquaculture Products: 2018 and 2007

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

Item	2018	2007
Farms	4	5
Ponds	3	15
Tanks	(D)	51
Quantity sold (pounds)	1,100	33,350
Sales (dollars)	(D)	65,725

Table 14. Farms, Land in Farms, and Land Use by Municipalities: 2018 and 2007

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

Item	Northern Mariana Islands		Rota		Saipan		Tinian	
	2018	2007	2018	2007	2018	2007	2018	2007
Farms number	253	256	27	97	182	128	44	31
Land in farms acres	1,515	4,013	365	770	459	1,172	692	2,071
Average size of farm acres	6.0	15.7	13.5	8.0	2.5	9.2	15.7	66.8
Total cropland farms	170	213	20	88	140	112	10	13
..... acres	431	773	116	421	281	282	34	70
Harvested farms	166	208	20	85	137	111	9	12
..... acres	372	538	89	280	253	234	29	25
Other farms	18	91	4	47	11	38	3	6
..... acres	60	235	27	141	28	48	5	46
Pasture or grazing land farms	65	75	14	25	18	26	33	24
..... acres	924	2,955	247	311	77	710	600	1,933
Woodland farms	12	30	-	4	1	24	11	2
..... acres	35	192	-	(D)	(D)	130	(D)	(D)
Other land farms	109	127	4	36	96	85	9	6
..... acres	125	93	2	(D)	(D)	49	(D)	(D)

Table 15. Farms, Land in Farms, and Size of Farm by Municipalities: 2018 and 2007

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

Item	Northern Mariana Islands		Rota		Saipan		Tinian	
	2018	2007	2018	2007	2018	2007	2018	2007
Farms number	253	256	27	97	182	128	44	31
Land in farms acres	1,515	4,013	365	770	459	1,172	692	2,071
Farms by size:								
Less than 1 acre number	72	23	3	2	69	21	-	-
..... acres	23	12	1	(D)	22	(D)	-	-
1 to 2 acres number	30	51	1	9	29	41	-	1
..... acres	(D)	74	(D)	(D)	36	63	-	(D)
2 to 4 acres number	61	58	7	40	47	15	7	3
..... acres	151	164	18	104	115	51	19	9
4 to 8 acres number	45	40	5	16	24	22	16	2
..... acres	237	222	31	(D)	120	124	86	(D)
8 to 10 acres number	5	9	2	5	1	3	2	1
..... acres	44	72	(D)	39	(D)	(D)	(D)	(D)
10 to 20 acres number	18	38	2	19	11	14	5	5
..... acres	232	490	(D)	226	138	198	(D)	66
20 to 40 acres number	15	13	5	3	1	6	9	4
..... acres	391	378	(D)	83	(D)	177	227	118
40 to 50 acres number	2	4	-	1	-	1	2	2
..... acres	(D)	191	-	(D)	-	(D)	(D)	(D)
50 acres or more number	5	20	2	2	-	5	3	13
..... acres	316	2,410	(D)	(D)	-	(D)	(D)	1,759

Table 16. Type of Organization and Labor Status by Municipalities: 2018 and 2007

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

Item	Northern Mariana Islands		Rota		Saipan		Tinian	
	2018	2007	2018	2007	2018	2007	2018	2007
TYPE OF ORGANIZATION								
Total farms number	253	256	27	97	182	128	44	31
Individual number	218	232	23	94	153	115	42	23
Partnership number	9	10	-	2	9	3	-	5
Corporation number	23	13	3	1	18	10	2	2
Other number	3	1	1	-	2	-	-	1
LABOR STATUS								
Farms with unpaid labor number	204	217	18	80	149	108	37	29
Number of unpaid workers that worked:								
Less than 25 days number	6	22	(D)	5	(D)	12	-	5
25 to 149 days number	35	76	-	23	(D)	33	(D)	20
150 days or more number	345	246	23	80	256	133	66	33
Farms with paid labor number	86	178	14	76	59	78	13	24
Number of paid workers that worked:								
Less than 25 days number	30	50	5	30	18	4	7	16
25 to 149 days number	15	40	(D)	35	6	3	(D)	2
150 days or more number	120	242	17	103	88	111	15	28

Table 17. Farms, Land in Farms, Cropland, and Tenure of Operator by Municipalities: 2018 and 2007

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

Item	Northern Mariana Islands		Rota		Saipan		Tinian	
	2018	2007	2018	2007	2018	2007	2018	2007
Operators farms	253	256	27	97	182	128	44	31
Land in farms acres	1,515	4,013	365	770	459	1,172	692	2,071
Average size of farm acres	6.0	15.7	13.5	8.0	2.5	9.2	15.7	66.8
Total cropland farms	170	213	20	88	140	112	10	13
..... acres	431	773	116	421	281	282	34	70
Full owners farms	162	141	18	67	123	65	21	9
..... acres	618	1,080	138	437	(D)	505	(D)	139
Total Cropland farms	108	132	14	62	89	63	5	7
..... acres	256	471	83	287	152	172	21	12
Part owners farms	9	5	3	3	4	2	2	-
..... acres	211	166	157	(D)	(D)	(D)	(D)	-
Total Cropland farms	4	3	-	2	4	1	-	-
..... acres	(D)	22	-	(D)	(D)	(D)	-	-
Tenants farms	82	110	6	27	55	61	21	22
..... acres	687	2,766	70	(D)	167	(D)	449	1,933
Total Cropland farms	58	78	6	24	47	48	5	6
..... acres	(D)	281	33	(D)	(D)	(D)	13	58

Table 18. Irrigation by Municipalities: 2018 and 2007

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

Item	Northern Mariana Islands		Rota		Saipan		Tinian	
	2018	2007	2018	2007	2018	2007	2018	2007
Land irrigated farms	205	165	14	63	167	92	24	10
..... acres	780	341	111	191	333	124	335	26
Private system farms	50	40	6	13	34	27	10	-
..... acres	309	91	41	35	69	56	199	-
Public system farms	177	125	13	50	146	65	18	10
..... acres	471	250	71	155	264	69	136	26
Public system water rate:								
Agricultural farms	27	34	9	13	18	20	-	1
Residential farms	150	95	4	23	128	63	18	9
Farms by major source of irrigation water:								
Well or cistern farms	34	27	-	-	28	27	6	-
River or stream farms	-	8	-	8	-	-	-	-
Lake or private pond farms	-	-	-	-	-	-	-	-
Canal or irrigation district farms	-	-	-	-	-	-	-	-
Public utility farms	163	126	12	52	133	64	18	10
Other farms	8	4	2	3	6	1	-	-

Table 19. Market Value of Agricultural Products Sold by Municipalities: 2018 and 2007

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

Item	Northern Mariana Islands		Rota		Saipan		Tinian	
	2018	2007	2018	2007	2018	2007	2018	2007
All agricultural products	farms 253	256	27	97	182	128	44	31
	dollars 1,580,081	2,409,513	313,133	904,480	1,096,848	1,241,411	170,100	263,622
Root crops	farms 43	106	10	47	31	54	2	5
	dollars (D) 638,498	180,650	451,260	(D) 184,228	(D) 3,010			
Vegetables and melons	farms 64	110	11	34	51	69	2	7
	dollars 638,609	631,470	(D) 214,100	451,939	340,182	(D) 77,188		
Fruits and nuts	farms 66	115	4	33	60	74	2	8
	dollars (D) 401,664	(D) 111,845	103,080	217,480	(D) 72,339			
Nursery crops (including ornamental plants)	farms 19	17	-	5	19	10	-	2
	dollars 186,390	178,311	-	26,500	186,390	(D) -	(D) -	(D) -
Livestock and livestock products	farms 46	98	4	36	32	36	10	26
	dollars 134,175	279,485	10,000	94,125	85,825	107,415	38,350	77,945
Poultry and poultry products	farms 43	18	3	6	39	9	1	3
	dollars 214,201	214,360	(D) (D)	(D) (D)	(D) 187,745	(D) (D)	(D) (D)	(D) (D)
Fish and other aquaculture products	farms 3	5	-	2	3	2	-	1
	dollars (D) 65,725	-	(D) (D)	(D) (D)	(D) (D)	(D) (D)	(D) (D)	(D) (D)

Table 20. Root Crops Harvested for Sale by Municipalities: 2018 and 2007

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

Item	Northern Mariana Islands		Rota		Saipan		Tinian	
	2018	2007	2018	2007	2018	2007	2018	2007
Cassava (tapioca)	farms 32	47	5	7	25	34	2	6
	acres 21	11	(D) (D)	2	8	7	(D) (D)	2
	pounds 21,951	30,346	(D) (D)	3,600	15,536	22,946	(D) (D)	3,800
Gado	farms 3	3	1	3	2	-	-	-
	acres (D) 1	(D) 1	(D) (D)	1	(D) (D)	-	-	-
	pounds (D) 1,050	(D) 1,050	(D) (D)	1,050	(D) (D)	-	-	-
Ginger	farms 16	7	7	3	9	4	-	-
	acres 4	1	3	1	1	(Z) (Z)	-	-
	pounds 15,290	1,490	15,200	1,170	90	320	-	-
Sweet potatoes	farms 43	58	11	31	32	26	-	1
	acres 35	71	27	65	8	(D) (D)	-	(D) (D)
	pounds 153,388	352,340	139,400	318,500	13,988	(D) (D)	-	(D) (D)
Taro	farms 40	69	10	30	28	37	2	2
	acres 20	61	12	53	(D) (D)	(D) (D)	(D) (D)	(D) (D)
	pounds 83,189	221,595	66,520	175,175	16,669	(D) (D)	-	(D) (D)
Yams	farms 18	41	2	17	15	23	1	1
	acres 4	20	(D) (D)	13	(D) (D)	(D) (D)	(D) (D)	(D) (D)
	pounds 3,450	67,769	(D) (D)	36,200	(D) (D)	(D) (D)	-	(D) (D)
Other root crops	farms 2	12	1	5	1	7	-	-
	acres (D) 3	(D) 3	(D) (D)	2	(D) (D)	1	-	-
	pounds (D) 6,152	-	-	2,872	(D) (D)	3,280	-	-

Table 21. Vegetables and Melons Harvested for Sale by Municipalities: 2018 and 2007

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

Item	Northern Mariana Islands		Rota		Saipan		Tinian	
	2018	2007	2018	2007	2018	2007	2018	2007
Alfalfa and/or bean sprouts	2	(NA)	-	(NA)	2	(NA)	-	(NA)
farms		(NA)		(NA)		(NA)		(NA)
pounds	(D)	(NA)	-	(NA)	(D)	(NA)	-	(NA)
Beans, yard long	30	70	4	13	24	54	2	3
farms								
acres	10	14	(D)	7	7	7	(D)	(Z)
pounds	22,827	40,215	(D)	8,665	16,627	29,610	(D)	1,940
Beans, all other	15	30	-	11	13	18	2	1
farms								
acres	5	6	-	(D)	(D)	3	(D)	(D)
pounds	11,288	14,320	-	(D)	(D)	8,120	(D)	(D)
Bittermelons	30	52	2	5	26	46	2	1
farms								
acres	10	7	(D)	(D)	(D)	6	(D)	(D)
pounds	23,196	29,548	(D)	(D)	20,496	24,180	(D)	(D)
Cabbage, Chinese	9	51	-	12	8	37	1	2
farms								
acres	3	7	-	(D)	(D)	5	(D)	(D)
pounds	5,027	38,150	-	(D)	(D)	30,350	(D)	(D)
Cabbage, head	2	8	-	5	2	3	-	-
farms								
acres	(D)	1	-	1	(D)	(Z)	-	-
pounds	(D)	2,515	-	1,415	(D)	1,100	-	-
Cantaloupes	2	7	-	3	2	4	-	-
farms								
acres	(D)	1	-	1	(D)	(Z)	-	-
pounds	(D)	13,120	-	1,800	(D)	11,320	-	-
Corn ¹	20	43	2	8	17	30	1	5
farms								
acres	9	8	(D)	2	(D)	4	(D)	3
pounds	18,421	26,935	(D)	1,975	14,621	20,660	(D)	4,300
Cucumbers	41	60	8	18	31	39	2	3
farms								
acres	20	16	(D)	10	13	6	(D)	1
pounds	66,902	93,795	(D)	46,770	51,152	39,025	(D)	8,000
Eggplant	67	68	5	15	59	50	3	3
farms								
acres	21	11	2	4	16	7	4	1
pounds	29,722	47,250	(D)	9,295	24,472	35,555	(D)	2,400
Muskmelons	3	4	-	2	3	2	-	-
farms								
acres	(Z)	1	-	(D)	(Z)	(D)	-	-
pounds	1,040	1,210	-	(D)	1,040	(D)	-	-
Okra	47	53	2	10	43	40	2	3
farms								
acres	12	8	(D)	2	(D)	5	(D)	1
pounds	24,588	17,635	(D)	3,915	14,288	13,190	(D)	530
Onions, green	36	52	2	11	31	38	3	3
farms								
acres	11	7	(D)	2	6	5	(D)	1
pounds	11,495	16,390	(D)	1,660	8,945	12,530	(D)	2,200
Peppers, hot	68	69	7	15	59	50	2	4
farms								
acres	21	13	(D)	6	14	6	(D)	1
pounds	38,269	32,270	(D)	14,840	20,454	15,030	(D)	2,400
Peppers, sweet	7	17	1	4	5	11	1	2
farms								
acres	11	3	(D)	1	(D)	(D)	(D)	(D)
pounds	4,140	4,370	(D)	1,300	(D)	(D)	(D)	(D)
Pumpkins and squash	42	57	2	11	39	43	1	3
farms								
acres	14	10	(D)	3	(D)	7	(D)	1
pounds	38,767	67,995	(D)	7,875	29,767	52,020	(D)	8,100
Radishes	19	47	5	14	11	30	3	3
farms								
acres	11	7	6	3	3	4	2	(Z)
pounds	12,690	35,830	(D)	15,120	6,290	18,010	(D)	2,700
Tomatoes	47	64	5	12	39	48	3	4
farms								
acres	22	10	2	3	16	6	4	2
pounds	56,383	44,355	(D)	11,355	50,383	27,500	(D)	5,500
Watermelons	16	22	6	8	8	11	2	3
farms								
acres	13	18	8	14	(D)	2	(D)	2
pounds	31,740	150,190	(D)	23,500	13,620	12,690	(D)	114,000
Other vegetables and melons	21	24	1	4	20	20	-	-
farms								
acres	14	4	(D)	1	(D)	3	-	-
pounds	20,672	24,820	-	2,740	20,672	22,080	-	-

¹ Includes dry and green corn.

Table 22. Fruits, Nuts, and Nursery Crops (including ornamental plants) Harvested for Sale by Municipalities: 2018 and 2007

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

Item	Northern Mariana Islands		Rota		Saipan		Tinian	
	2018	2007	2018	2007	2018	2007	2018	2007
Avocados	45	42	4	13	33	28	8	1
farms								
trees not of bearing age	242	304	112	(D)	79	277	51	(D)
trees of bearing age	197	306	89	(D)	89	298	19	(D)
pounds	4,551	14,285	(D)	(D)	3,645	13,685	(D)	(D)
Bananas	118	119	10	37	95	74	13	8
farms								
trees not of bearing age	16,596	19,325	5,330	3,942	8,766	9,433	2,500	5,950
trees of bearing age	17,076	16,527	1,409	5,625	11,185	8,229	4,482	2,673
pounds	79,135	146,940	22,070	62,913	55,947	55,127	1,118	28,900
Betelnuts	62	70	4	21	55	46	3	3
farms								
trees not of bearing age	8,645	23,617	(D)	1,362	(D)	21,755	45	500
trees of bearing age	8,640	37,503	(D)	2,086	6,153	29,917	(D)	5,500
pounds	31,035	88,253	5,300	12,205	25,735	61,948	-	14,100
Breadfruits	40	42	3	14	32	28	5	-
farms								
trees not of bearing age	57	46	(D)	5	33	41	(D)	-
trees of bearing age	101	216	(D)	155	84	61	(D)	-
pounds	6,200	4,774	(D)	2,895	6,040	1,879	(D)	-
Coconuts	84	82	4	30	66	50	14	2
farms								
trees not of bearing age	1,130	2,999	270	1,738	158	(D)	702	(D)
trees of bearing age	2,669	5,205	450	3,069	1,747	(D)	472	(D)
pounds	27,305	42,910	-	30,330	23,805	(D)	3,500	(D)
Grapefruit	18	14	1	2	16	12	1	-
farms								
trees not of bearing age	15	1	(D)	(D)	(D)	(D)	(D)	-
trees of bearing age	32	25	(D)	(D)	(D)	(D)	(D)	-
pounds	3,526	1,613	(D)	(D)	(D)	(D)	(D)	-
Guavas	32	36	2	12	29	24	1	-
farms								
trees not of bearing age	(D)	344	(D)	240	24	104	-	-
trees of bearing age	325	458	(D)	332	(D)	126	(D)	-
pounds	2,591	1,459	(D)	895	(D)	564	-	-
Lemons and limes	77	77	5	34	65	42	7	1
farms								
trees not of bearing age	504	1,538	94	743	119	(D)	291	(D)
trees of bearing age	795	2,558	195	1,005	531	(D)	69	(D)
pounds	12,075	25,716	(D)	12,445	10,325	(D)	(D)	(D)
Mangoes	81	59	6	17	69	41	6	1
farms								
trees not of bearing age	170	364	(D)	(D)	82	177	(D)	(D)
trees of bearing age	395	525	(D)	(D)	278	304	(D)	(D)
pounds	19,490	22,880	(D)	(D)	12,440	12,830	(D)	(D)
Oranges	17	29	2	13	10	16	5	-
farms								
trees not of bearing age	33	23	(D)	13	(D)	10	14	-
trees of bearing age	61	89	(D)	41	37	48	(D)	-
pounds	1,580	3,135	(D)	1,300	690	1,835	(D)	-
Papayas	74	83	4	16	62	61	8	6
farms								
trees not of bearing age	797	2,064	(D)	359	396	1,405	(D)	300
trees of bearing age	1,217	3,583	(D)	532	1,006	2,593	(D)	458
pounds	15,433	50,650	(D)	5,105	12,560	34,595	(D)	10,950
Pineapples	16	24	1	7	13	17	2	-
farms								
trees not of bearing age	252	2,125	(D)	100	231	2,025	(D)	-
trees of bearing age	321	1,023	-	148	(D)	875	(D)	-
pounds	780	2,060	-	705	(D)	1,355	(D)	-
Soursops	55	48	3	14	46	34	6	-
farms								
vines not of bearing age	160	113	-	82	30	31	130	-
vines of bearing age	371	444	11	150	305	294	55	-
pounds	7,770	8,075	(D)	2,355	7,470	5,720	(D)	-
Starfruits	19	24	-	8	16	16	3	-
farms								
trees not of bearing age	12	32	-	20	5	12	7	-
trees of bearing age	30	71	-	60	30	11	-	-
pounds	1,080	693	-	435	1,080	258	-	-
Sweetsops	38	41	3	15	29	25	6	1
farms								
trees not of bearing age	654	364	(D)	154	35	(D)	(D)	(D)
trees of bearing age	251	635	(D)	232	221	(D)	(D)	(D)
pounds	1,019	1,560	(D)	735	859	(D)	(D)	(D)
Tangerines	72	50	2	14	58	34	12	2
farms								
trees not of bearing age	220	182	(D)	(D)	(D)	128	180	(D)
trees of bearing age	417	294	(D)	(D)	241	176	(D)	(D)
pounds	8,435	9,060	(D)	(D)	7,875	8,150	(D)	(D)
Other fruits, nuts, and tree crops	30	40	3	7	22	31	5	2
farms								
plants or trees not of bearing age	676	5,510	(D)	(D)	(D)	5,430	23	(D)
plants or trees of bearing age	1,043	496	(D)	(D)	510	448	(D)	(D)
pounds	13,122	10,116	(D)	(D)	12,897	9,156	(D)	(D)
Nursery crops (including ornamental plants)	29	13	-	2	29	10	-	1
farms								
sq.ft. under cover	35,296	2,354	-	(D)	35,296	2,504	-	(D)
acres in the open	17	8	-	(D)	17	7	-	(D)

Table 23. Livestock, Poultry and Their Products, and Fish by Municipalities: 2018 and 2007

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

Item	Northern Mariana Islands		Rota		Saipan		Tinian	
	2018	2007	2018	2007	2018	2007	2018	2007
CATTLE AND CALVES								
Inventory	72	63	12	17	32	25	28	21
..... farms number	1,156	1,395	124	265	194	461	838	669
Sales	21	59	5	20	2	18	14	21
..... farms number	108	275	(D)	83	(D)	89	86	103
MILK COWS AND MILK								
Inventory	4	7	-	1	4	-	-	6
..... farms number	6	83	-	(D)	6	-	-	(D)
Sales	-	4	-	1	-	-	-	3
..... farms number	-	13	-	(D)	-	-	-	(D)
Milk sales	2	(NA)	-	(NA)	2	(NA)	-	(NA)
..... farms quarts	(D)	(NA)	-	(NA)	(D)	(NA)	-	(NA)
OTHER CATTLE AND CALVES								
Inventory	70	62	12	16	30	25	28	21
..... farms number	1,150	1,312	124	257	188	461	838	594
Sales	21	57	5	19	2	18	14	20
..... farms number	108	262	(D)	78	(D)	89	86	95
HOGS AND PIGS OF ALL AGES								
Inventory	72	62	2	23	61	28	9	11
..... farms number	1,107	1,483	(D)	240	1,032	1,042	(D)	201
Sales	30	50	-	21	27	23	3	6
..... farms number	620	675	-	184	(D)	348	(D)	143
GOATS AND KIDS OF ALL AGES								
Inventory	48	19	1	2	43	11	4	6
..... farms number	636	276	(D)	(D)	503	130	(D)	(D)
Sales	10	8	1	1	9	3	-	4
..... farms number	49	43	(D)	(D)	(D)	15	-	(D)
HORSES, MULES, AND COLTS OF ALL AGES								
Inventory	-	1	-	-	-	-	-	1
..... farms number	-	(D)	-	-	-	-	-	(D)
Sales	-	1	-	-	-	-	-	1
..... farms number	-	(D)	-	-	-	-	-	(D)
POULTRY AND POULTRY PRODUCTS								
Chicken hens 4 months old or older:								
Inventory	115	41	5	14	92	25	18	2
..... farms number	5,936	6,381	202	623	4,514	5,578	1,220	180
Sales	7	8	-	3	7	5	-	-
..... farms number	375	1,596	-	105	375	1,491	-	-
Commercial layers:								
Inventory	5	2	1	-	2	2	2	-
..... farms number	(D)	(D)	(D)	-	(D)	(D)	(D)	-
Sales	1	2	-	-	1	2	-	-
..... farms number	(D)	(D)	-	-	(D)	(D)	-	-
Other chicken hens:								
Inventory	111	40	4	14	91	24	16	2
..... farms number	(D)	1,964	(D)	(D)	(D)	1,161	(D)	(D)
Sales	6	6	-	3	6	3	-	-
..... farms number	(D)	171	-	105	(D)	66	-	-
Chickens under 4 months old:								
Inventory	83	46	2	10	75	24	6	12
..... farms number	2,478	3,319	(D)	378	2,254	2,381	(D)	560
Sales	1	1	-	1	1	-	-	-
..... farms number	(D)	(D)	-	(D)	(D)	-	-	-
Roosters and pullets:								
Inventory	61	41	1	11	57	17	3	13
..... farms number	813	951	(D)	320	732	250	(D)	381
Sales	4	3	-	2	4	-	-	1
..... farms number	135	100	-	(D)	135	-	-	(D)
Fighting roosters								
Inventory	47	26	2	5	36	18	9	3
..... farms number	1,076	1,025	(D)	100	831	895	(D)	30
Sales	10	7	1	3	9	4	-	-
..... farms number	262	125	(D)	28	(D)	97	-	-
Ducks:								
Inventory	42	10	2	1	38	6	2	3
..... farms number	807	351	(D)	(D)	705	189	(D)	(D)
Sales	3	3	-	-	3	2	-	1
..... farms number	30	140	-	-	30	(D)	-	(D)

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Table 23. Livestock, Poultry and Their Products, and Fish by Municipalities: 2018 and 2007 (continued)

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

Item	Northern Mariana Islands		Rota		Saipan		Tinian	
	2018	2007	2018	2007	2018	2007	2018	2007
POULTRY AND POULTRY PRODUCTS - Con.								
Pigeons:								
Inventory farms	11	9	-	1	8	2	3	6
Inventory number	440	343	-	(D)	240	(D)	200	247
Sales farms	1	1	-	1	-	-	1	-
Sales number	(D)	(D)	-	(D)	-	-	(D)	-
Chicken eggs:								
Sales farms	27	4	2	1	25	2	-	1
Sales dozens	51,596	105,651	(D)	(D)	(D)	(D)	-	(D)
Other poultry and poultry products:								
Inventory farms	5	3	-	-	5	2	-	1
Inventory number	46	20	-	-	46	(D)	-	(D)
Sales farms	-	1	-	-	-	1	-	-
Sales number	-	(D)	-	-	-	(D)	-	-
FISH AND OTHER AQUACULTURE PRODUCTS farms	4	5	-	2	4	2	-	1
number of ponds	3	15	-	(D)	3	(D)	-	(D)
number of tanks	(D)	51	-	(D)	(D)	(D)	-	(D)
pounds sold	1,100	33,350	-	(D)	1,100	(D)	-	(D)

Table 24. Selected Equipment by Municipalities: 2018 and 2007

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

Item	Northern Mariana Islands		Rota		Saipan		Tinian	
	2018	2007	2018	2007	2018	2007	2018	2007
Tractors (all kinds) farms	45	88	9	45	25	16	11	27
Tractors (all kinds) number	55	99	9	45	33	17	13	37
Motortrucks farms	23	88	10	3	6	83	7	2
Motortrucks number	24	99	11	(D)	6	92	7	(D)
Automobiles farms	212	166	14	90	157	45	41	31
Automobiles number	298	201	19	109	218	46	61	46
Tillers (all kinds) farms	58	96	7	13	45	78	6	5
Tillers (all kinds) number	151	110	9	18	134	82	8	10

Table 25. Selected Farm Production Expenses by Municipalities: 2018 and 2007

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

Item	Northern Mariana Islands		Rota		Saipan		Tinian	
	2018	2007	2018	2007	2018	2007	2018	2007
Machine hire and customwork farms	71	128	6	68	63	32	2	28
Machine hire and customwork dollars	162,811	174,561	(D)	59,497	161,455	65,250	(D)	49,814
Hired farm labor farms	86	170	14	76	59	70	13	24
Hired farm labor dollars	960,863	991,394	224,730	317,268	722,903	538,595	13,230	135,531
Feed purchased for livestock, poultry, and fish farms	92	70	5	23	77	32	10	15
Feed purchased for livestock, poultry, and fish dollars	244,180	215,870	11,680	14,199	212,900	149,961	19,600	51,710
Insecticides, fungicides, and herbicides farms	71	132	9	45	62	80	-	7
Insecticides, fungicides, and herbicides dollars	44,937	52,160	4,300	16,622	40,637	32,346	-	3,192
Fertilizers and manure purchased farms	95	158	18	61	77	90	-	7
Fertilizers and manure purchased dollars	93,777	109,615	29,790	53,640	63,987	50,067	-	5,908
Livestock, poultry, and fish purchased farms	24	18	3	6	15	7	6	5
Livestock, poultry, and fish purchased dollars	19,560	18,350	(D)	1,420	9,610	11,950	(D)	4,980
Seed cost (including seedlings) farms	66	100	10	24	56	71	-	5
Seed cost (including seedlings) dollars	32,808	57,405	3,550	11,680	29,258	42,385	-	3,340
Gasoline, fuels and oils purchased farms	196	(NA)	25	(NA)	137	(NA)	34	(NA)
Gasoline, fuels and oils purchased dollars	235,556	(NA)	46,792	(NA)	146,712	(NA)	42,052	(NA)
Water farms	185	(NA)	8	(NA)	153	(NA)	24	(NA)
Water dollars	254,042	(NA)	6,160	(NA)	222,048	(NA)	25,834	(NA)
Transportation cost (excluding fuel expenses) farms	79	(NA)	5	(NA)	41	(NA)	33	(NA)
Transportation cost (excluding fuel expenses) dollars	136,545	(NA)	6,800	(NA)	78,905	(NA)	50,840	(NA)

Table 26. Off - Farm Work of Operators by Municipalities: 2018 and 2007

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

Operators by days of work off farm	Northern Mariana Islands		Rota		Saipan		Tinian	
	2018	2007	2018	2007	2018	2007	2018	2007
Total	253	256	27	97	182	128	44	31
None	39	68	6	6	32	59	1	3
Any	214	188	21	91	150	69	43	28
1 to 49 days	24	19	4	4	19	9	1	6
50 to 99 days	27	15	3	3	23	11	1	1
100 to 149 days	12	7	3	2	8	5	1	-
150 to 199 days	35	20	4	12	21	4	10	4
200 days or more	116	127	7	70	79	40	30	17

Table 27. Operator Characteristics by Municipalities: 2018 and 2007

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

Item	Northern Mariana Islands		Rota		Saipan		Tinian	
	2018	2007	2018	2007	2018	2007	2018	2007
Operators by place of residence:								
On farm operated	156	66	7	7	137	53	12	6
Not on farm operated	97	190	20	90	45	75	32	25
Operators by years on present farm:								
2 years or less	24	48	2	24	21	21	1	3
3 to 4 years	40	39	6	18	31	17	3	4
5 to 9 years	48	41	4	7	38	26	6	8
10 years or more	141	128	15	48	92	64	34	16
Operators by age group:								
Under 35 years	17	14	-	7	15	6	2	-
35 to 44 years	28	53	5	25	17	19	6	9
45 to 54 years	75	79	11	33	50	37	14	9
55 to 64 years	77	75	3	19	59	49	15	7
65 years and over	56	35	8	13	41	16	7	6
Average age	55	52	55	51	55	53	53	53
Operators by main occupation:								
Agricultural	171	140	16	39	115	86	40	15
Nonagricultural	82	116	11	58	67	42	4	16
Operators by race:								
Chamorro	150	184	17	79	98	81	35	24
Chinese	15	27	-	-	14	24	1	3
Filipino	36	15	2	4	27	9	7	2
Japanese	1	1	-	-	1	-	-	1
White	6	6	-	2	5	4	1	-
Other	45	23	8	12	37	10	-	1
Operators by citizenship:								
U.S. citizen born in CNMI	167	188	15	79	118	88	34	21
U.S. citizen born in other state or territory	13	10	2	2	8	5	3	3
Naturalized U.S. citizen	18	13	1	4	11	6	6	3
Not a U.S. citizen	55	45	9	12	45	29	1	4
Operators by sex:								
Male	202	226	26	84	136	115	40	27
Female	51	30	1	13	46	13	4	4

Table 28. Farms, Land in Farms, and Type of Land Ownership by Municipalities: 2018 and 2007

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

Item	Northern Mariana Islands		Rota		Saipan		Tinian	
	2018	2007	2018	2007	2018	2007	2018	2007
Total farms	253	256	27	97	182	128	44	31
Land in farms	1,515	4,013	365	770	459	1,172	692	2,071
Farms with owned land	171	146	21	70	127	67	23	9
Land owned	663	1,148	166	492	282	518	215	139
Farms with land rented from others	91	115	9	30	59	63	23	22
Land rented from others	853	2,865	199	278	176	654	477	1,933
Farms with land rented to others	-	-	-	-	-	-	-	-
Land rented to others	-	-	-	-	-	-	-	-

Table 29. Summary by Tenure of Operator: 2018

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

Item	Total	Full owners	Part owners	Tenants
FARMS AND LAND IN FARMS				
Farms number	253	162	9	82
Percent of farms	100.0	64.0	3.6	32.4
Land in farms acres	1,515	618	211	687
Percent of distribution	100.0	40.8	13.9	45.3
Average size of farm acres	6.0	3.8	23.4	8.4
LAND USE				
Total cropland farms	170	108	4	58
Harvested acres	431	256	(D)	(D)
Other farms	166	107	4	55
Pasture or grazing land acres	372	226	(D)	(D)
Woodland farms	18	8	2	8
Other land acres	60	31	(D)	(D)
Pasture or grazing land farms	65	28	7	30
Woodland acres	924	235	189	500
Other land farms	12	11	-	1
Other land acres	35	(D)	-	(D)
Other land farms	109	84	3	22
Other land acres	125	(D)	(D)	(D)
IRRIGATION				
Land irrigated farms	205	137	4	64
Private system acres	780	393	23	363
Public system farms	50	31	2	17
Public system acres	309	118	(D)	(D)
Public system farms	177	122	3	52
Public system acres	471	275	(D)	(D)
FARMS BY MAJOR SOURCE OF IRRIGATION WATER				
Well or cistern	34	21	1	12
River or stream	-	-	-	-
Lake or private pond	-	-	-	-
Canal or irrigation district	-	-	-	-
Public utility	163	111	3	49
Other	8	5	-	3
TENURE OF OPERATOR				
All operators farms	253	162	9	82
Owners acres	1,515	618	211	687
Full owners farms	171	162	9	-
Part owners acres	829	618	211	-
Tenants farms	162	162	-	-
Tenants acres	618	618	-	-
Tenants farms	9	-	9	-
Tenants acres	211	-	211	-
Tenants farms	82	-	-	82
Tenants acres	687	-	-	687
FARMS BY SIZE				
Farms number	253	162	9	82
Less than 1 acre	72	54	-	18
1 to 2 acres	30	22	-	8
2 to 4 acres	61	40	2	19
4 to 8 acres	45	28	1	16
8 to 10 acres	5	3	-	2
10 to 20 acres	18	9	3	6
20 to 40 acres	15	5	1	9
40 to 50 acres	2	-	-	2
50 acres or more	5	1	2	2
OPERATOR CHARACTERISTICS				
Operators by place of residence:				
On farm operated	156	119	2	35
Not on farm operated	97	43	7	47
Operators by years on present farm:				
2 years or less	24	14	-	10
3 to 4 years	40	19	-	21
5 to 9 years	48	24	3	21
10 years or more	141	105	6	30
Operators by age group:				
Under 35 years	17	14	-	3
35 to 44 years	28	16	-	12
45 to 54 years	75	41	2	32
55 to 64 years	77	51	5	21
65 years and over	56	40	2	14
Average age	55	55	59	53
Operators by main occupation:				
Agricultural	171	106	4	61
Nonagricultural	82	56	5	21
Operators by days of work off farm:				
None	39	22	-	17
Any	214	140	9	65
1 to 49 days	24	13	-	11
50 to 99 days	27	20	-	7
100 to 149 days	12	10	1	1

See footnote(s) at end of table.

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Table 29. Summary by Tenure of Operator: 2018 (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
OPERATOR CHARACTERISTICS - Con.				
Operators by days of work off farm: - Con.				
Any - Con.				
150 to 199 days	35	17	3	15
200 days or more	116	80	5	31
Operators by race:				
Chamorro	150	111	9	30
Chinese	15	2	-	13
Filipino	36	18	-	18
Japanese	1	1	-	-
White	6	1	-	5
Other	45	29	-	16
Operators by citizenship:				
U.S. citizen born in CNMI	167	123	9	35
U.S. citizen born in other state or territory	13	10	-	3
Naturalized U.S. citizen	18	11	-	7
Not a U.S. citizen	55	18	-	37
Operators by sex:				
Male	202	126	9	67
Female	51	36	-	15
COMPUTER USE				
Computers used for the farm business	29	23	-	6
No computers used for the farm business	224	139	9	76
Internet access				
Dial-up service	148	95	5	48
DSL service	-	-	-	-
Cable modem service	31	22	-	9
Fiber-optic service	-	-	-	-
Mobile broadband plan for a computer or cellphone	112	69	5	38
Satellite service	-	-	-	-
Broadband over power lines (BPL)	5	4	-	1
Other type of service	-	-	-	-
No internet access	105	67	4	34
LABOR STATUS				
Farms	253	162	9	82
number	253	162	9	82
workers	551	350	19	182
Unpaid labor	204	139	5	60
farms	204	139	5	60
workers	386	261	10	115
Less than 25 days	4	3	-	1
farms	4	3	-	1
workers	6	(D)	-	(D)
25 to 149 days	20	8	2	10
farms	20	8	2	10
workers	35	(D)	(D)	(D)
150 days or more	184	131	3	50
farms	184	131	3	50
workers	345	250	(D)	(D)
Paid labor	86	47	6	33
farms	86	47	6	33
workers	165	89	9	67
Less than 25 days	12	9	-	3
farms	12	9	-	3
workers	30	27	-	3
25 to 149 days	12	8	1	3
farms	12	8	1	3
workers	15	(D)	(D)	5
150 days or more	62	30	5	27
farms	62	30	5	27
workers	120	(D)	(D)	59
SELECTED MACHINERY AND EQUIPMENT				
Tractors (all kinds)	45	14	4	27
farms	45	14	4	27
number	55	16	4	35
Motortrucks	23	10	4	9
farms	23	10	4	9
number	24	10	4	10
Automobiles	212	137	6	69
farms	212	137	6	69
number	298	198	6	94
Tillers (all kinds)	58	26	4	28
farms	58	26	4	28
number	151	80	32	39
MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD				
Total sales	253	162	9	82
farms	253	162	9	82
dollars	1,580,081	483,172	71,650	1,025,259
Average per farm	6,245	2,983	7,961	12,503
dollars	6,245	2,983	7,961	12,503
Farms by value of sales:				
Less than \$1,200	132	91	2	39
farms	132	91	2	39
dollars	23,299	(D)	-	(D)
\$1,200 to \$2,499	26	17	2	7
farms	26	17	2	7
dollars	44,940	30,990	(D)	(D)
\$2,500 to \$4,999	29	22	2	5
farms	29	22	2	5
dollars	91,445	66,215	(D)	(D)
\$5,000 to \$7,499	15	13	-	2
farms	15	13	-	2
dollars	88,830	(D)	-	(D)
\$7,500 to \$9,999	9	4	-	5
farms	9	4	-	5
dollars	80,990	35,990	-	45,000
\$10,000 or more	42	15	3	24
farms	42	15	3	24
dollars	1,250,577	255,218	62,600	932,759

See footnote(s) at end of table.

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Table 29. Summary by Tenure of Operator: 2018 (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
SALES BY COMMODITY GROUP OR PRODUCT				
Root crops farms	43	25	2	16
..... dollars	(D)	(D)	(D)	205,975
Vegetables and melons farms	64	28	2	34
..... dollars	638,609	(D)	(D)	486,307
Fruits and nuts farms	66	50	1	15
..... dollars	(D)	127,808	(D)	22,480
Nursery crops (including ornamental plants) farms	19	14	-	5
..... dollars	186,390	(D)	-	(D)
Livestock and livestock products farms	46	30	5	11
..... dollars	134,175	81,325	(D)	(D)
Poultry and poultry products farms	43	37	2	4
..... dollars	214,201	(D)	(D)	(D)
Fish and other aquaculture products farms	3	3	-	-
..... dollars	(D)	(D)	-	-
SELECTED FARM PRODUCTION EXPENSES				
Machine hire and customwork farms	71	43	3	25
..... dollars	162,811	88,747	30,750	43,314
Hired farm labor farms	86	47	6	33
..... dollars	960,863	361,230	77,000	522,633
Feed purchased for livestock, poultry, and fish farms	92	73	4	15
..... dollars	244,180	135,633	21,625	86,922
Insecticides, fungicides, and herbicides farms	71	40	2	29
..... dollars	44,937	(D)	(D)	27,094
Fertilizers and manure purchased farms	95	53	4	38
..... dollars	93,777	(D)	(D)	57,860
Livestock, poultry, and fish purchased farms	24	17	5	2
..... dollars	19,560	9,560	(D)	(D)
Seed cost (including seedlings) farms	66	38	2	26
..... dollars	32,808	20,193	(D)	(D)
Gasoline, fuels and oils purchased farms	196	125	9	62
..... dollars	235,556	129,351	27,200	79,005
Water farms	185	131	4	50
..... dollars	254,042	172,456	5,550	76,036
Transportation cost (excluding fuel expenses) farms	79	33	4	42
..... dollars	136,545	75,265	5,000	56,280
ROOT CROPS HARVESTED FOR SALE				
Cassava (tapioca) farms	32	24	2	6
..... acres	21	16	(D)	(D)
..... pounds	21,951	10,960	(D)	(D)
Gado farms	3	3	-	-
..... acres	(D)	(D)	-	-
..... pounds	(D)	(D)	-	-
Ginger farms	16	12	1	3
..... acres	4	3	(D)	(D)
..... pounds	15,290	(D)	(D)	14,000
Sweet potatoes farms	43	23	1	19
..... acres	35	(D)	(D)	19
..... pounds	153,388	(D)	(D)	134,228
Taro farms	40	26	-	14
..... acres	20	9	-	11
..... pounds	83,189	11,130	-	72,059
Yams farms	18	16	-	2
..... acres	4	(D)	-	(D)
..... pounds	3,450	(D)	-	(D)
Other root crops farms	2	2	-	-
..... acres	(D)	(D)	-	-
..... pounds	(D)	(D)	-	-
VEGETABLES AND MELONS HARVESTED FOR SALE				
Alfalfa and/or bean sprouts farms	2	-	1	1
..... pounds	(D)	-	(D)	(D)
Beans, yard long farms	30	10	1	19
..... acres	10	(D)	(D)	7
..... pounds	22,827	(D)	(D)	20,545
Beans, all other farms	15	5	2	8
..... acres	5	(D)	(D)	4
..... pounds	11,288	(D)	(D)	9,148
Bittermelons farms	30	15	1	14
..... acres	10	(D)	(D)	5
..... pounds	23,196	(D)	(D)	18,571
Cabbage, Chinese farms	9	1	1	7
..... acres	3	(D)	(D)	(D)
..... pounds	5,027	(D)	(D)	(D)
Cabbage, head farms	2	-	-	2
..... acres	(D)	-	-	(D)
..... pounds	(D)	-	-	(D)
Cantaloupes farms	2	1	-	1
..... acres	(D)	(D)	-	(D)
..... pounds	(D)	(D)	-	(D)
Corn ¹ farms	20	5	1	14
..... acres	9	(D)	(D)	6
..... pounds	18,421	(D)	(D)	14,100
Cucumbers farms	41	14	1	26
..... acres	20	(D)	(D)	12
..... pounds	66,902	(D)	(D)	48,004
Eggplant farms	67	30	4	33
..... acres	21	(D)	(D)	10
..... pounds	29,722	8,280	1,100	20,342

See footnote(s) at end of table.

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Table 29. Summary by Tenure of Operator: 2018 (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
VEGETABLES AND MELONS HARVESTED FOR SALE - Con.				
Muskmelons farms	3	1	-	2
acres	(Z)	(D)	-	(D)
pounds	1,040	(D)	-	(D)
Okra farms	47	20	2	25
acres	12	(D)	(D)	9
pounds	24,588	(D)	(D)	20,525
Onions, green farms	36	16	3	17
acres	11	4	1	6
pounds	11,495	1,925	400	9,170
Peppers, hot farms	68	31	3	34
acres	21	8	(Z)	13
pounds	38,269	5,371	500	32,398
Peppers, sweet farms	7	3	-	4
acres	11	(D)	-	(D)
pounds	4,140	(D)	-	(D)
Pumpkins and squash farms	42	14	4	24
acres	14	5	1	8
pounds	38,767	5,930	1,400	31,437
Radishes farms	19	6	1	12
acres	11	(D)	(D)	8
pounds	12,690	(D)	(D)	11,070
Tomatoes farms	47	17	3	27
acres	22	11	(D)	8
pounds	56,383	2,695	1,000	52,688
Watermelons farms	16	4	-	12
acres	13	5	-	7
pounds	31,740	4,220	-	27,520
Other vegetables and melons farms	21	8	1	12
acres	14	6	(D)	(D)
pounds	20,672	(D)	(D)	14,920
FRUITS, NUTS, AND NURSERY CROPS (INCLUDING ORNAMENTAL PLANTS) HARVESTED FOR SALE				
Avocados farms	45	40	1	4
trees not of bearing age	242	190	(D)	(D)
trees of bearing age	197	187	(D)	(D)
pounds	4,551	(D)	(D)	(D)
Bananas (all types) farms	118	93	4	21
trees not of bearing age	16,596	13,896	(D)	(D)
trees of bearing age	17,076	14,813	271	1,992
pounds	79,135	72,315	(D)	(D)
Betelnuts farms	62	58	1	3
trees not of bearing age	8,645	(D)	(D)	(D)
trees of bearing age	8,640	8,421	(D)	(D)
pounds	31,035	29,085	(D)	(D)
Breadfruits farms	40	36	1	3
trees not of bearing age	57	49	(D)	(D)
trees of bearing age	101	90	(D)	(D)
pounds	6,200	5,950	(D)	(D)
Coconuts farms	84	67	2	15
trees not of bearing age	1,130	938	-	192
trees of bearing age	2,669	2,248	(D)	(D)
pounds	27,305	22,385	-	4,920
Grapefruit farms	18	17	1	-
trees not of bearing age	15	(D)	(D)	-
trees of bearing age	32	(D)	(D)	-
pounds	3,526	(D)	(D)	-
Guavas farms	32	27	3	2
trees not of bearing age	(D)	(D)	(D)	(D)
trees of bearing age	325	249	(D)	(D)
pounds	2,591	(D)	(D)	(D)
Lemons and limes farms	77	66	4	7
trees not of bearing age	504	423	(D)	(D)
trees of bearing age	795	583	65	147
pounds	12,075	9,245	(D)	(D)
Mangoes farms	81	67	4	10
trees not of bearing age	170	135	(D)	(D)
trees of bearing age	395	374	5	16
pounds	19,490	19,005	(D)	(D)
Oranges farms	17	15	-	2
trees not of bearing age	33	(D)	-	(D)
trees of bearing age	61	(D)	-	(D)
pounds	1,580	(D)	-	(D)
Papayas farms	74	56	4	14
trees not of bearing age	797	518	(D)	(D)
trees of bearing age	1,217	733	115	369
pounds	15,433	11,023	(D)	(D)
Pineapples farms	16	13	2	1
trees not of bearing age	252	(D)	-	(D)
trees of bearing age	321	221	(D)	(D)
pounds	780	(D)	-	(D)
Soursops farms	55	46	4	5
vines not of bearing age	160	137	(D)	(D)
vines of bearing age	371	249	(D)	(D)
pounds	7,770	(D)	(D)	(D)
Starfruits farms	19	18	-	1
trees not of bearing age	12	(D)	-	(D)
trees of bearing age	30	30	-	-
pounds	1,080	1,080	-	-
Sweetsops farms	38	35	3	-
trees not of bearing age	654	(D)	(D)	-
trees of bearing age	251	230	21	-
pounds	1,019	(D)	(D)	-

See footnote(s) at end of table.

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Table 29. Summary by Tenure of Operator: 2018 (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, NUTS, AND NURSERY CROPS (INCLUDING ORNAMENTAL PLANTS) HARVESTED FOR SALE - Con.				
Tangerines farms	72	60	4	8
trees not of bearing age	220	194	(D)	(D)
trees of bearing age	417	257	(D)	(D)
pounds	8,435	7,845	(D)	(D)
Other fruits, nuts, and tree crops farms	30	23	3	4
plants or trees not of bearing age	676	(D)	(D)	(D)
plants or trees of bearing age	1,043	1,007	(D)	(D)
pounds	13,122	13,000	-	122
Nursery crops (including ornamental plants) farms	29	20	-	9
sq.ft. under cover	35,296	29,396	-	5,900
acres in the open	17	(D)	-	(D)
LIVESTOCK, POULTRY, AQUACULTURE AND THEIR PRODUCTS				
Inventory				
All cattle and calves farms	72	39	7	26
number	1,156	320	112	724
Milk cows farms	4	1	2	1
number	6	(D)	(D)	(D)
Other cattle and calves farms	70	38	7	25
number	1,150	(D)	(D)	(D)
Hogs and pigs of all ages farms	72	57	4	11
number	1,107	940	21	146
Goats and kids of all ages farms	48	36	5	7
number	636	430	96	110
Horses, mules, and colts of all ages farms	-	-	-	-
number	-	-	-	-
Chicken hens 4 months old or older farms	115	94	4	17
number	5,936	3,841	150	1,945
Commercial layers farms	5	3	1	1
number	(D)	154	(D)	(D)
Other chicken hens farms	111	92	3	16
number	(D)	3,687	(D)	(D)
Chickens under 4 months old farms	83	71	3	9
number	2,478	2,229	64	185
Roosters and pullets farms	61	55	3	3
number	813	757	46	10
Fighting roosters farms	47	39	2	6
number	1,076	745	(D)	(D)
Ducks farms	42	29	3	10
number	807	421	120	266
Pigeons farms	11	8	2	1
number	440	240	(D)	(D)
Other poultry farms	5	2	3	-
number	46	(D)	(D)	-
Sales				
All cattle and calves farms	21	5	3	13
number	108	18	10	80
Milk cows farms	-	-	-	-
number	-	-	-	-
Milk farms	2	-	2	-
quarts	(D)	-	(D)	-
Other cattle and calves farms	21	5	3	13
number	108	18	10	80
Hogs and pigs of all ages farms	30	24	2	4
number	620	594	(D)	(D)
Goats and kids of all ages farms	10	8	1	1
number	49	(D)	(D)	(D)
Horses, mules, and colts of all ages farms	-	-	-	-
number	-	-	-	-
Chicken hens 4 months old or older farms	7	6	-	1
number	375	(D)	-	(D)
Commercial layers farms	1	-	-	1
number	(D)	-	-	(D)
Other chicken hens farms	6	6	-	-
number	(D)	(D)	-	-
Chickens under 4 months old farms	1	1	-	-
number	(D)	(D)	-	-
Roosters and pullets farms	4	4	-	-
number	135	135	-	-
Fighting roosters farms	10	7	2	1
number	262	147	(D)	(D)
Ducks farms	3	3	-	-
number	30	30	-	-
Pigeons farms	1	1	-	-
number	(D)	(D)	-	-
Chicken eggs farms	27	23	2	2
dozens	51,596	(D)	(D)	(D)
Other poultry and poultry products (excluding chicken eggs) farms	-	-	-	-
number	-	-	-	-
Fish and other aquaculture products farms	4	3	-	1
pounds	1,100	(D)	-	(D)

¹ Includes dry and green corn.

Table 30. Summary by Age of Operator: 2018

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

Item	Total	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	253	17	28	75	77	56
Percent of farms	100.0	6.7	11.1	29.6	30.4	22.1
Land in farms .....acres	1,515	75	185	581	350	324
Percent of distribution	100.0	5.0	12.2	38.3	23.1	21.4
Average size of farm .....acres	6.0	4.4	6.6	7.7	4.5	5.8
LAND USE						
Total cropland .....farms	170	6	18	49	54	43
Harvested .....acres	431	14	59	99	114	146
Other .....farms	166	6	18	48	52	42
Pasture or grazing land .....acres	372	14	(D)	86	96	(D)
Woodland .....farms	18	-	2	4	9	3
Other land .....acres	60	-	(D)	13	18	(D)
Pasture or grazing land .....farms	65	2	8	23	18	14
Woodland .....acres	924	(D)	(D)	435	187	140
Other land .....farms	12	-	2	4	2	4
Other land .....acres	35	-	(D)	10	(D)	(D)
Other land .....farms	109	13	14	26	34	22
Other land .....acres	125	(D)	(D)	38	(D)	(D)
IRRIGATION						
Land irrigated .....farms	205	17	22	58	64	44
Private system .....acres	780	75	102	218	201	184
Public system .....farms	50	1	13	12	16	8
Public system .....acres	309	(D)	(D)	104	70	20
Public system .....farms	177	16	11	53	56	41
Public system .....acres	471	(D)	(D)	114	131	164
FARMS BY MAJOR SOURCE OF IRRIGATION WATER						
Well or cistern	34	4	9	10	8	3
River or stream	-	-	-	-	-	-
Lake or private pond	-	-	-	-	-	-
Canal or irrigation district	-	-	-	-	-	-
Public utility	163	13	8	46	56	40
Other	8	-	5	2	-	1
TENURE OF OPERATOR						
All operators .....farms	253	17	28	75	77	56
Owners .....acres	1,515	75	185	581	350	324
Full owners .....farms	171	14	16	43	56	42
Part owners .....acres	829	(D)	31	(D)	225	(D)
Tenants .....farms	162	14	16	41	51	40
Tenants .....acres	618	(D)	31	232	157	(D)
Tenants .....farms	9	-	-	2	5	2
Tenants .....acres	211	-	-	(D)	68	(D)
Tenants .....farms	82	3	12	32	21	14
Tenants .....acres	687	(D)	155	(D)	125	(D)
FARMS BY SIZE						
Farms .....number	253	17	28	75	77	56
Less than 1 acre	72	9	7	17	25	14
1 to 2 acres	30	1	5	8	11	5
2 to 4 acres	61	2	4	19	19	17
4 to 8 acres	45	4	6	16	10	9
8 to 10 acres	5	-	-	1	1	3
10 to 20 acres	18	-	2	5	7	4
20 to 40 acres	15	-	3	5	4	3
40 to 50 acres	2	1	1	-	-	-
50 acres or more	5	-	-	4	-	1
OPERATOR CHARACTERISTICS						
Operators by place of residence:						
On farm operated	156	13	16	45	49	33
Not on farm operated	97	4	12	30	28	23
Operators by years on present farm:						
2 years or less	24	4	2	5	12	1
3 to 4 years	40	3	10	14	7	6
5 to 9 years	48	4	7	17	14	6
10 years or more	141	6	9	39	44	43
Operators by age group:						
Under 35 years	17	17	-	-	-	-
35 to 44 years	28	-	28	-	-	-
45 to 54 years	75	-	-	75	-	-
55 to 64 years	77	-	-	-	77	-
65 years and over	56	-	-	-	-	56
Average age	55	27	40	50	59	71
Operators by main occupation:						
Agricultural	171	12	17	50	56	36
Nonagricultural	82	5	11	25	21	20
Operators by days of work off farm:						
None	39	-	2	10	17	10
Any	214	17	26	65	60	46
1 to 49 days	24	1	1	11	3	8
50 to 99 days	27	1	4	13	6	3
100 to 149 days	12	-	2	2	4	4

See footnote(s) at end of table.

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Table 30. Summary by Age of Operator: 2018 (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
OPERATOR CHARACTERISTICS - Con.						
Operators by days of work off farm: - Con.						
Any - Con.						
150 to 199 days	35	3	4	15	7	6
200 days or more	116	12	15	24	40	25
Operators by race:						
Chamorro	150	11	17	37	44	41
Chinese	15	1	3	7	2	2
Filipino	36	1	1	15	12	7
Japanese	1	-	-	-	1	-
White	6	-	-	2	1	3
Other	45	4	7	14	17	3
Operators by citizenship:						
U.S. citizen born in CNMI	167	15	17	39	55	41
U.S. citizen born in other state or territory	13	-	4	2	1	6
Naturalized U.S. citizen	18	-	1	7	6	4
Not a U.S. citizen	55	2	6	27	15	5
Operators by sex:						
Male	202	15	27	62	51	47
Female	51	2	1	13	26	9
COMPUTER USE						
Computers used for the farm business	29	1	3	7	11	7
No computers used for the farm business	224	16	25	68	66	49
Internet access						
Dial-up service	148	4	16	43	54	31
DSL service	-	-	-	-	-	-
Cable modem service	31	2	2	7	17	3
Fiber-optic service	-	-	-	-	-	-
Mobile broadband plan for a computer or cellphone	112	2	14	34	35	27
Satellite service	-	-	-	-	-	-
Broadband over power lines (BPL)	5	-	-	2	2	1
Other type of service	-	-	-	-	-	-
No internet access	105	13	12	32	23	25
LABOR STATUS						
Farms	253	17	28	75	77	56
workers	551	43	70	155	164	119
Unpaid labor	204	16	24	58	61	45
workers	386	(D)	(D)	111	105	81
Less than 25 days	4	-	1	1	1	1
workers	6	-	(D)	(D)	(D)	(D)
25 to 149 days	20	-	-	8	8	4
workers	35	-	-	16	(D)	(D)
150 days or more	184	16	23	51	54	40
workers	345	(D)	45	(D)	95	(D)
Paid labor	86	1	12	28	24	21
workers	165	(D)	(D)	44	59	38
Less than 25 days	12	-	1	4	2	5
workers	30	-	(D)	6	(D)	(D)
25 to 149 days	12	1	1	4	5	1
workers	15	(D)	(D)	5	(D)	(D)
150 days or more	62	-	10	20	17	15
workers	120	-	19	33	41	27
SELECTED MACHINERY AND EQUIPMENT						
Tractors (all kinds)	45	2	3	18	12	10
number	55	(D)	(D)	24	14	11
Motortrucks	23	-	3	6	8	6
number	24	-	4	6	8	6
Automobiles	212	14	21	65	66	46
number	298	18	36	92	85	67
Tillers (all kinds)	58	-	10	13	19	16
number	151	-	19	27	51	54
MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD						
Total sales	253	17	28	75	77	56
dollars	1,580,081	17,425	377,140	399,135	440,432	345,949
Average per farm	6,245	1,025	13,469	5,322	5,720	6,178
dollars						
Farms by value of sales:						
Less than \$1,200	132	13	13	34	42	30
dollars	23,299	1,525	2,370	7,375	6,138	5,891
\$1,200 to \$2,499	26	2	3	15	3	3
dollars	44,940	(D)	6,470	24,120	(D)	(D)
\$2,500 to \$4,999	29	1	2	3	16	7
dollars	91,445	(D)	(D)	9,050	49,230	24,465
\$5,000 to \$7,499	15	-	2	6	2	5
dollars	88,830	-	(D)	35,150	(D)	29,000
\$7,500 to \$9,999	9	-	-	4	2	3
dollars	80,990	-	-	35,400	(D)	(D)
\$10,000 or more	42	1	8	13	12	8
dollars	1,250,577	(D)	349,150	288,040	348,684	(D)

See footnote(s) at end of table.

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Table 30. Summary by Age of Operator: 2018 (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
SALES BY COMMODITY GROUP OR PRODUCT						
Root crops .....farms	43	1	9	8	12	13
dollars (D)		(D)	162,650	22,300	39,043	28,600
Vegetables and melons .....farms	64	1	11	17	17	18
dollars	638,609	(D)	151,150	257,950	(D)	130,695
Fruits and nuts .....farms	66	-	8	21	18	19
dollars (D)		(D)	(D)	56,400	36,755	47,933
Nursery crops (including ornamental plants) .....farms	19	1	-	5	7	6
dollars	186,390	(D)	-	(D)	(D)	(D)
Livestock and livestock products .....farms	46	5	5	16	10	10
dollars	134,175	14,700	38,200	32,450	26,775	22,050
Poultry and poultry products .....farms	43	1	6	16	10	10
dollars	214,201	(D)	(D)	(D)	(D)	(D)
Fish and other aquaculture products .....farms	3	-	-	1	2	-
dollars (D)		-	-	(D)	(D)	-
SELECTED FARM PRODUCTION EXPENSES						
Machine hire and customwork .....farms	71	9	7	25	17	13
dollars	162,811	18,004	4,175	39,492	52,140	49,000
Hired farm labor .....farms	86	1	12	28	24	21
dollars	960,863	(D)	211,300	224,330	(D)	334,313
Feed purchased for livestock, poultry, and fish .....farms	92	8	11	29	27	17
dollars	244,180	35,360	14,900	51,566	121,758	20,596
Insecticides, fungicides, and herbicides .....farms	71	5	7	21	19	19
dollars	44,937	1,480	862	25,277	6,445	10,872
Fertilizers and manure purchased .....farms	95	3	10	27	26	29
dollars	93,777	777	19,835	37,114	23,590	12,461
Livestock, poultry, and fish purchased .....farms	24	4	4	6	9	1
dollars	19,560	(D)	1,400	3,600	9,550	(D)
Seed cost (including seedlings) .....farms	66	3	10	14	21	18
dollars	32,808	1,050	1,560	8,720	12,925	8,553
Gasoline, fuels and oils purchased .....farms	196	17	22	59	50	48
dollars	235,556	13,580	31,590	76,755	55,151	58,480
Water .....farms	185	12	12	52	66	43
dollars	254,042	13,460	21,125	89,622	85,808	44,027
Transportation cost (excluding fuel expenses) .....farms	79	4	9	30	20	16
dollars	136,545	(D)	(D)	45,450	23,315	29,780
ROOT CROPS HARVESTED FOR SALE						
Cassava (tapioca) .....farms	32	-	6	6	10	10
acres	21	-	2	1	12	6
pounds	21,951	-	2,225	225	16,121	3,380
Gado .....farms	3	-	-	1	1	1
acres (D)		-	-	(D)	(D)	(D)
pounds (D)		-	-	(D)	(D)	(D)
Ginger .....farms	16	-	4	4	5	3
acres	4	-	1	1	1	1
pounds	15,290	-	14,005	(D)	(D)	130
Sweet potatoes .....farms	43	1	8	17	6	11
acres (D)		(D)	12	17	(D)	5
pounds (D)		(D)	112,610	23,808	(D)	11,600
Taro .....farms	40	1	10	11	11	7
acres (D)		(D)	8	7	4	(D)
pounds (D)		(D)	63,840	5,189	12,070	(D)
Yams .....farms	18	1	5	5	4	3
acres (D)		(D)	2	1	(D)	1
pounds (D)		(D)	(D)	605	(D)	(D)
Other root crops .....farms	2	-	1	-	1	-
acres (D)		-	(D)	-	(D)	-
pounds (D)		-	-	-	(D)	-
VEGETABLES AND MELONS HARVESTED FOR SALE						
Alfalfa and/or bean sprouts .....farms	2	-	-	-	-	2
pounds (D)		-	-	-	-	(D)
Beans, yard long .....farms	30	1	4	10	10	5
acres (D)		(D)	3	(D)	3	3
pounds (D)		(D)	5,100	6,585	(D)	(D)
Beans, all other .....farms	15	-	2	2	6	5
acres	5	-	(D)	(D)	2	(D)
pounds	11,288	-	(D)	(D)	4,800	(D)
Bittermelons .....farms	30	-	5	9	8	8
acres	10	-	2	1	3	4
pounds	23,196	-	2,870	11,359	3,647	5,320
Cabbage, Chinese .....farms	9	1	-	3	1	4
acres (D)		(D)	-	(D)	(D)	2
pounds (D)		(D)	-	(D)	(D)	3,900
Cabbage, head .....farms	2	-	1	1	-	-
acres (D)		-	(D)	(D)	-	-
pounds (D)		-	(D)	(D)	-	-
Cantaloupes .....farms	2	-	2	-	-	-
acres (D)		-	(D)	-	-	-
pounds (D)		-	(D)	-	-	-
Corn ¹ .....farms	20	-	2	7	7	4
acres	9	-	(D)	(D)	3	3
pounds	18,421	-	(D)	10,600	5,011	(D)
Cucumbersfarms	41	1	7	11	11	11
acres (D)		(D)	(D)	4	4	8
pounds (D)		(D)	14,300	13,410	(D)	30,050

See footnote(s) at end of table.

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Table 30. Summary by Age of Operator: 2018 (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
VEGETABLES AND MELONS HARVESTED FOR SALE - Con.						
Eggplant farms	67	1	10	17	20	19
acres	21	(D)	5	5	(D)	7
pounds	29,722	(D)	5,440	12,407	(D)	8,605
Muskmelons farms	3	-	1	2	-	-
acres	(Z)	-	(D)	(D)	-	-
pounds	1,040	-	(D)	(D)	-	-
Okra farms	47	-	7	16	16	8
acres	12	-	2	5	4	1
pounds	24,588	-	(D)	13,255	(D)	4,980
Onions, green farms	36	2	5	10	11	8
acres	11	(D)	4	2	3	(D)
pounds	11,495	(D)	2,710	3,820	(D)	2,630
Peppers, hot farms	68	2	11	21	16	18
acres	21	(D)	7	(D)	5	5
pounds	38,269	(D)	16,355	9,408	(D)	9,356
Peppers, sweet farms	7	-	2	1	2	2
acres	11	-	(D)	(D)	(D)	(D)
pounds	4,140	-	(D)	-	(D)	(D)
Pumpkins and squash farms	42	2	6	11	12	11
acres	14	(D)	3	(D)	5	4
pounds	38,767	(D)	8,760	16,305	(D)	6,950
Radishes farms	19	-	4	5	5	5
acres	11	-	5	1	3	3
pounds	12,690	-	5,000	2,820	2,270	2,600
Tomatoes farms	47	2	7	16	11	11
acres	22	(D)	5	(D)	3	11
pounds	56,383	(D)	(D)	28,923	6,650	16,045
Watermelons farms	16	-	7	3	1	5
acres	13	-	4	(D)	(D)	6
pounds	31,740	-	14,500	(D)	(D)	(D)
Other vegetables and melons farms	21	-	2	10	3	6
acres	14	-	(D)	5	(D)	6
pounds	20,672	-	(D)	15,060	2,102	(D)
FRUITS, NUTS, AND NURSERY CROPS (INCLUDING ORNAMENTAL PLANTS) HARVESTED FOR SALE						
Avocados farms	45	4	7	12	6	16
trees not of bearing age	242	(D)	(D)	72	74	73
trees of bearing age	197	4	9	58	89	37
pounds	4,551	(D)	(D)	1,810	1,430	1,010
Bananas (all types) farms	118	5	15	28	35	35
trees not of bearing age	16,596	(D)	(D)	983	6,171	8,237
trees of bearing age	17,076	1,215	867	1,518	6,107	7,369
pounds	79,135	12,800	6,738	13,580	27,187	18,830
Betelnuts farms	62	4	6	23	15	14
trees not of bearing age	8,645	(D)	(D)	868	5,162	(D)
trees of bearing age	8,640	150	1,015	4,705	1,709	1,061
pounds	31,035	(D)	(D)	7,930	5,600	6,435
Breadfruits farms	40	2	5	14	5	14
trees not of bearing age	57	-	(D)	(D)	(D)	43
trees of bearing age	101	(D)	12	23	(D)	51
pounds	6,200	(D)	560	2,290	(D)	2,730
Coconuts farms	84	5	13	21	25	20
trees not of bearing age	1,130	(D)	(D)	305	240	354
trees of bearing age	2,669	42	472	551	786	818
pounds	27,305	2,600	4,055	5,300	10,860	4,490
Grapefruit farms	18	-	2	5	3	8
trees not of bearing age	15	-	(D)	(D)	-	(D)
trees of bearing age	32	-	(D)	(D)	8	16
pounds	3,526	-	(D)	420	(D)	2,815
Guavas farms	32	1	5	13	9	4
trees not of bearing age	(D)	-	(D)	5	(D)	(D)
trees of bearing age	325	(D)	(D)	175	49	78
pounds	2,591	(D)	106	255	(D)	(D)
Lemons and limes farms	77	4	10	20	24	19
trees not of bearing age	504	(D)	(D)	246	101	89
trees of bearing age	795	8	175	81	131	400
pounds	12,075	240	420	1,560	2,540	7,315
Mangoes farms	81	5	8	22	26	20
trees not of bearing age	170	(D)	(D)	88	18	44
trees of bearing age	395	11	19	162	113	90
pounds	19,490	610	485	4,260	5,650	8,485
Oranges farms	17	-	2	5	4	6
trees not of bearing age	33	-	(D)	15	(D)	(D)
trees of bearing age	61	-	(D)	13	(D)	22
pounds	1,580	-	(D)	270	(D)	990
Papayas farms	74	4	9	20	18	23
trees not of bearing age	797	(D)	(D)	185	269	298
trees of bearing age	1,217	45	56	250	183	683
pounds	15,433	720	373	4,455	3,700	6,185
Pineapples farms	16	2	4	4	3	3
trees not of bearing age	252	-	(D)	(D)	-	(D)
trees of bearing age	321	(D)	(D)	(D)	75	(D)
pounds	780	(D)	(D)	(D)	(D)	(D)
Soursops farms	55	3	8	18	9	17
vines not of bearing age	160	-	(D)	(D)	61	27
vines of bearing age	371	3	84	48	42	194
pounds	7,770	120	170	1,005	55	6,420
Starfruits farms	19	-	3	9	2	5
trees not of bearing age	12	-	(D)	(D)	(D)	3
trees of bearing age	30	-	(D)	18	(D)	(D)
pounds	1,080	-	(D)	345	(D)	(D)

See footnote(s) at end of table.

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Table 30. Summary by Age of Operator: 2018 (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, NUTS, AND NURSERY CROPS (INCLUDING ORNAMENTAL PLANTS) HARVESTED FOR SALE - Con.						
Sweetsops farms	38	2	6	12	10	8
trees not of bearing age	654	-	17	(D)	(D)	3
trees of bearing age	251	(D)	(D)	76	41	46
pounds	1,019	(D)	(D)	345	(D)	240
Tangerines farms	72	4	9	23	19	17
trees not of bearing age	220	(D)	(D)	124	51	34
trees of bearing age	417	9	25	207	109	67
pounds	8,435	150	465	2,955	1,760	3,105
Other fruits, nuts, and tree crops farms	30	-	3	11	9	7
plants or trees not of bearing age	676	-	(D)	(D)	(D)	(D)
plants or trees of bearing age	1,043	-	(D)	380	(D)	48
pounds	13,122	-	(D)	(D)	770	135
Nursery crops (including ornamental plants) farms	29	1	-	7	12	9
sq.ft. under cover	35,296	-	-	660	20,424	14,212
acres in the open	17	(D)	-	(D)	2	14
LIVESTOCK, POULTRY, AQUACULTURE AND THEIR PRODUCTS						
Inventory						
All cattle and calves farms	72	4	9	30	14	15
number	1,156	(D)	(D)	459	258	177
Milk cows farms	4	-	1	1	2	-
number	6	-	(D)	(D)	(D)	-
Other cattle and calves farms	70	4	8	29	14	15
number	1,150	(D)	(D)	(D)	(D)	177
Hogs and pigs of all ages farms	72	10	11	21	17	13
number	1,107	187	235	288	205	192
Goats and kids of all ages farms	48	3	7	14	16	8
number	636	(D)	(D)	263	167	105
Horses, mules, and colts of all ages farms	-	-	-	-	-	-
number	-	-	-	-	-	-
Chicken hens 4 months old or older farms	115	12	12	31	35	25
number	5,936	570	295	1,152	3,060	859
Commercial layers farms	5	1	-	-	4	-
number	(D)	(D)	-	-	(D)	-
Other chicken hens farms	111	12	12	31	31	25
number	(D)	(D)	295	1,152	(D)	859
Chickens under 4 months old farms	83	9	7	24	30	13
number	2,478	369	146	786	939	238
Roosters and pullets farms	61	5	4	18	22	12
number	813	81	84	180	349	119
Fighting roosters farms	47	7	5	15	14	6
number	1,076	174	37	286	348	231
Ducks farms	42	5	7	12	12	6
number	807	91	65	214	290	147
Pigeons farms	11	1	-	5	3	2
number	440	(D)	-	170	147	(D)
Other poultry farms	5	-	-	-	4	1
number	46	-	-	-	(D)	(D)
Sales						
All cattle and calves farms	21	1	4	9	2	5
number	108	(D)	19	40	(D)	15
Milk cows farms	-	-	-	-	-	-
number	-	-	-	-	-	-
Milk farms	2	-	-	-	2	-
quarts	(D)	-	-	-	(D)	-
Other cattle and calves farms	21	1	4	9	2	5
number	108	(D)	19	40	(D)	15
Hogs and pigs of all ages farms	30	4	3	11	7	5
number	620	(D)	(D)	125	247	75
Goats and kids of all ages farms	10	-	-	5	4	1
number	49	-	-	(D)	26	(D)
Horses, mules, and colts of all ages farms	-	-	-	-	-	-
number	-	-	-	-	-	-
Chicken hens 4 months old or older farms	7	1	-	4	1	1
number	375	(D)	-	125	(D)	(D)
Commercial layers farms	1	-	-	-	1	-
number	(D)	-	-	-	(D)	-
Other chicken hens farms	6	1	-	4	-	1
number	(D)	(D)	-	125	-	(D)
Chickens under 4 months old farms	1	1	-	-	-	-
number	(D)	(D)	-	-	-	-
Roosters and pullets farms	4	-	-	1	3	-
number	135	-	-	(D)	(D)	-
Fighting roosters farms	10	1	1	5	2	1
number	262	(D)	(D)	80	(D)	(D)
Ducks farms	3	1	-	-	1	1
number	30	(D)	-	-	(D)	(D)
Pigeons farms	1	-	-	1	-	-
number	(D)	-	-	(D)	-	-
Chicken eggs farms	27	-	6	5	9	7
dozens	51,596	-	988	1,456	(D)	(D)
Other poultry and poultry products (excluding chicken eggs) farms	-	-	-	-	-	-
number	-	-	-	-	-	-
Fish and other aquaculture products farms	4	-	1	1	2	-
pounds	1,100	-	(D)	(D)	(D)	-

¹ Includes dry and green corn.

Table 31. Summary by Size of Farm: 2018

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

Item	Total	Less than 1 acre	1 to 2 acres	2 to 4 acres	4 to 8 acres	8 to 10 acres	10 to 20 acres	20 to 40 acres	40 to 50 acres	50 acres or more
FARMS AND LAND IN FARMS										
Farms number	253	72	30	61	45	5	18	15	2	5
Percent of farms	100.0	28.5	11.9	24.1	17.8	2.0	7.1	5.9	0.8	2.0
Land in farms .....acres	1,515	23	(D)	151	237	44	232	391	(D)	316
Percent of distribution	100.0	1.5	(D)	10.0	15.6	2.9	15.3	25.8	(D)	20.9
Average size of farm .....acres	6.0	0.3	(D)	2.5	5.3	8.9	12.9	26.0	(D)	63.2
LAND USE										
Total cropland farms	170	46	22	47	33	2	14	5	1	-
..... acres	431	(D)	23	83	129	(D)	89	(D)	(D)	-
Harvested farms	166	46	22	46	32	2	12	5	1	-
..... acres	372	(D)	23	79	116	(D)	73	(D)	(D)	-
Other farms	18	-	-	6	6	-	3	3	-	-
..... acres	60	-	-	5	13	-	16	26	-	-
Pasture or grazing land farms	65	1	1	15	12	4	11	14	2	5
..... acres	924	(D)	(D)	33	50	28	109	302	(D)	316
Woodland farms	12	-	-	3	3	-	3	2	1	-
..... acres	35	-	-	3	14	-	(D)	(D)	(D)	-
Other land farms	109	38	15	24	19	1	11	1	-	-
..... acres	125	12	(D)	32	44	(D)	(D)	(D)	-	-
IRRIGATION										
Land irrigated farms	205	65	24	52	35	1	14	13	1	-
..... acres	780	(D)	30	112	158	(D)	113	291	(D)	-
Private system farms	50	10	7	11	7	-	5	9	1	-
..... acres	309	(D)	10	20	32	-	31	168	(D)	-
Public system farms	177	60	21	44	30	1	12	9	-	-
..... acres	471	(D)	20	92	127	(D)	82	123	-	-
FARMS BY MAJOR SOURCE OF IRRIGATION WATER										
Well or cistern	34	2	5	15	6	-	1	4	1	-
River or stream	-	-	-	-	-	-	-	-	-	-
Lake or private pond	-	-	-	-	-	-	-	-	-	-
Canal or irrigation district	-	-	-	-	-	-	-	-	-	-
Public utility	163	60	19	36	26	1	12	9	-	-
Other	8	3	-	1	3	-	1	-	-	-
TENURE OF OPERATOR										
All operators farms	253	72	30	61	45	5	18	15	2	5
..... acres	1,515	23	(D)	151	237	44	232	391	(D)	316
Owners farms	171	54	22	42	29	3	12	6	-	3
..... acres	829	19	28	(D)	(D)	3	151	175	-	(D)
Full owners farms	162	54	22	40	28	3	9	5	-	1
..... acres	618	19	28	96	146	(D)	106	(D)	-	(D)
Part owners farms	9	-	-	2	1	-	3	1	-	2
..... acres	211	-	-	(D)	(D)	-	44	(D)	-	(D)
Tenants farms	82	18	8	19	16	2	6	9	2	2
..... acres	687	4	(D)	(D)	(D)	(D)	81	216	(D)	(D)
FARMS BY SIZE										
Farms number	253	72	30	61	45	5	18	15	2	5
Less than 1 acre	72	72	-	-	-	-	-	-	-	-
1 to 2 acres	30	-	30	-	-	-	-	-	-	-
2 to 4 acres	61	-	-	61	-	-	-	-	-	-
4 to 8 acres	45	-	-	-	45	-	-	-	-	-
8 to 10 acres	5	-	-	-	-	5	-	-	-	-
10 to 20 acres	18	-	-	-	-	-	18	-	-	-
20 to 40 acres	15	-	-	-	-	-	-	15	-	-
40 to 50 acres	2	-	-	-	-	-	-	-	2	-
50 acres or more	5	-	-	-	-	-	-	-	-	5
OPERATOR CHARACTERISTICS										
Operators by place of residence:										
On farm operated	156	63	26	30	25	2	7	3	-	-
Not on farm operated	97	9	4	31	20	3	11	12	2	5
Operators by years on present farm:										
2 years or less	24	14	1	4	4	-	-	1	-	-
3 to 4 years	40	13	7	12	4	1	1	2	-	-
5 to 9 years	48	12	4	15	10	-	4	3	-	-
10 years or more	141	33	18	30	27	4	13	9	2	5
Operators by age group:										
Under 35 years	17	9	1	2	4	-	-	-	1	-
35 to 44 years	28	7	5	4	6	-	2	3	1	-
45 to 54 years	75	17	8	19	16	1	5	5	-	4
55 to 64 years	77	25	11	19	10	1	7	4	-	-
65 years and over	56	14	5	17	9	3	4	3	-	1
Average age	55	53	56	57	53	66	57	53	(D)	(D)
Operators by main occupation:										
Agricultural	171	47	17	35	34	5	14	14	2	3
Nonagricultural	82	25	13	26	11	-	4	1	-	2
Operators by days of work off farm:										
None	39	15	3	5	9	2	3	2	-	-
Any	214	57	27	56	36	3	15	13	2	5
1 to 49 days	24	8	1	7	7	-	1	-	-	-
50 to 99 days	27	7	1	8	4	-	1	-	-	-
100 to 149 days	12	3	2	5	-	-	1	1	-	-
150 to 199 days	35	6	5	10	6	1	-	3	2	2
200 days or more	116	33	12	26	19	2	12	9	-	3

See footnote(s) at end of table.

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Table 31. Summary by Size of Farm: 2018 (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 acres	2 to 4 acres	4 to 8 acres	8 to 10 acres	10 to 20 acres	20 to 40 acres	40 to 50 acres	50 acres or more
OPERATOR CHARACTERISTICS - Con.										
Operators by race:										
Chamorro	150	39	13	38	24	5	12	13	2	4
Chinese	15	3	3	3	5	-	1	-	-	-
Filipino	36	14	5	5	8	-	3	-	-	1
Japanese	1	1	-	-	-	-	-	-	-	-
White	6	-	3	1	1	-	1	-	-	-
Other	45	15	6	14	7	-	1	2	-	-
Operators by citizenship:										
U.S. citizen born in CNMI	167	42	17	45	27	5	12	13	2	4
U.S. citizen born in other state or territory	13	5	2	2	3	-	1	-	-	-
Naturalized U.S. citizen	18	6	2	2	5	-	2	-	-	1
Not a U.S. citizen	55	19	9	12	10	-	3	2	-	-
Operators by sex:										
Male	202	48	24	52	40	5	13	13	2	5
Female	51	24	6	9	5	-	5	2	-	-
COMPUTER USE										
Computers used for the farm business	29	7	3	13	4	-	1	1	-	-
No computers used for the farm business	224	65	27	48	41	5	17	14	2	5
Internet access										
Dial-up service	-	-	-	-	-	-	-	-	-	-
DSL service	31	10	5	12	3	-	1	-	-	-
Cable modem service	-	-	-	-	-	-	-	-	-	-
Fiber-optic service	-	-	-	-	-	-	-	-	-	-
Mobile broadband plan for a computer or cellphone	112	26	9	30	25	3	4	12	1	2
Satellite service	-	-	-	-	-	-	-	-	-	-
Broadband over power lines (BPL)	5	-	2	1	-	-	1	-	-	1
Other type of service	-	-	-	-	-	-	-	-	-	-
No internet access	105	36	14	18	17	2	12	3	1	2
LABOR STATUS										
Farms										
.....number	253	72	30	61	45	5	18	15	2	5
.....workers	551	133	59	144	113	(D)	52	32	(D)	8
Unpaid labor										
.....farms	204	65	22	52	31	4	14	12	2	2
.....workers	386	107	38	109	68	(D)	32	(D)	(D)	(D)
Less than 25 days										
.....farms	4	-	-	1	3	-	-	-	-	-
.....workers	6	-	-	(D)	(D)	-	-	-	-	-
25 to 149 days										
.....farms	20	8	-	9	2	-	1	-	-	-
.....workers	35	9	-	(D)	(D)	-	(D)	-	-	-
150 days or more										
.....farms	184	58	22	45	26	4	13	12	2	2
.....workers	345	98	38	90	(D)	(D)	(D)	(D)	(D)	(D)
Paid labor										
.....farms	86	10	14	19	20	1	11	8	-	3
.....workers	165	26	21	35	45	(D)	20	(D)	-	(D)
Less than 25 days										
.....farms	12	3	1	3	1	1	1	1	-	1
.....workers	30	14	(D)	7	(D)	(D)	(D)	(D)	-	(D)
25 to 149 days										
.....farms	12	2	1	-	2	-	4	3	-	-
.....workers	15	(D)	(D)	-	(D)	-	(D)	4	-	-
150 days or more										
.....farms	62	5	12	16	17	-	6	4	-	2
.....workers	120	(D)	(D)	28	39	-	15	9	-	(D)
SELECTED MACHINERY AND EQUIPMENT										
Tractors (all kinds)										
.....farms	45	2	2	17	9	2	6	5	-	2
.....number	55	(D)	(D)	22	11	(D)	7	6	-	(D)
Motortrucks										
.....farms	23	1	-	12	6	1	1	2	-	-
.....number	24	(D)	-	12	6	(D)	(D)	(D)	-	-
Automobiles										
.....farms	212	63	27	43	38	5	14	15	2	5
.....number	298	81	40	59	53	(D)	20	28	(D)	7
Tillers (all kinds)										
.....farms	58	4	7	19	15	2	7	4	-	-
.....number	151	9	35	48	40	(D)	9	(D)	-	-
MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD										
Total sales										
.....farms	253	72	30	61	45	5	18	15	2	5
.....dollars	1,580,081	158,676	249,347	323,828	386,760	(D)	283,825	154,815	(D)	3,600
Average per farm	6,245	2,204	8,312	5,309	8,595	(D)	15,768	10,321	(D)	720
Farms by value of sales:										
Less than \$1,200										
.....farms	132	45	15	29	22	4	8	7	-	2
.....dollars	23,299	(D)	4,750	3,678	1,775	(D)	1,175	-	-	-
\$1,200 to \$2,499										
.....farms	26	12	3	5	1	1	-	1	-	3
.....dollars	44,940	20,720	5,650	8,970	(D)	(D)	(D)	(D)	-	3,600
\$2,500 to \$4,999										
.....farms	29	7	3	10	5	-	2	2	-	-
.....dollars	91,445	23,565	7,800	30,780	15,900	-	(D)	(D)	-	-
\$5,000 to \$7,499										
.....farms	15	1	5	2	4	-	1	1	1	-
.....dollars	88,830	(D)	25,400	(D)	24,730	-	(D)	(D)	(D)	-
\$7,500 to \$9,999										
.....farms	9	1	2	1	2	-	2	1	-	-
.....dollars	80,990	(D)	(D)	(D)	(D)	-	(D)	(D)	-	-
\$10,000 or more										
.....farms	42	6	2	14	11	-	5	3	1	-
.....dollars	1,250,577	88,050	(D)	257,000	324,755	-	253,500	130,525	(D)	-
SALES BY COMMODITY GROUP OR PRODUCT										
Root crops										
.....farms	43	7	4	14	9	1	5	3	-	-
.....dollars	(D)	1,745	4,400	35,550	33,573	(D)	75,600	101,150	-	-
Vegetables and melons										
.....farms	64	10	6	21	16	2	6	3	-	-
.....dollars	638,609	40,525	45,970	185,000	264,789	(D)	95,000	(D)	-	-
Fruits and nuts										
.....farms	66	17	13	19	11	-	4	2	-	-
.....dollars	(D)	6,300	13,800	58,680	37,633	-	(D)	(D)	-	-

See footnote(s) at end of table.

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Table 31. Summary by Size of Farm: 2018 (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 acres	2 to 4 acres	4 to 8 acres	8 to 10 acres	10 to 20 acres	20 to 40 acres	40 to 50 acres	50 acres or more
SALES BY COMMODITY GROUP OR PRODUCT - Con.										
Nursery crops (including ornamental plants)	farms 19	13	2	2	1	-	1	-	-	-
	dollars 186,390	60,950	(D)	(D)	(D)	-	(D)	-	-	-
Livestock and livestock products	farms 46	13	4	11	6	-	3	4	2	3
	dollars 134,175	22,325	9,900	(D)	(D)	-	(D)	15,200	(D)	3,600
Poultry and poultry products	farms 43	17	7	11	3	1	3	1	-	-
	dollars 214,201	26,831	(D)	(D)	(D)	(D)	325	(D)	-	-
Fish and other aquaculture products	farms 3	-	2	-	1	-	-	-	-	-
	dollars (D)	-	(D)	-	(D)	-	-	-	-	-
SELECTED FARM PRODUCTION EXPENSES										
Machine hire and customwork	farms 71	24	12	16	12	-	4	3	-	-
	dollars 162,811	56,080	10,925	64,260	19,986	-	(D)	(D)	-	-
Hired farm labor	farms 86	10	14	19	20	1	11	8	-	3
	dollars 960,863	81,020	114,800	233,730	171,070	(D)	199,420	151,560	-	(D)
Feed purchased for livestock, poultry, and fish ..	farms 92	34	12	19	13	1	8	4	1	-
	dollars 244,180	82,668	(D)	36,720	22,055	(D)	8,475	9,900	(D)	-
Insecticides, fungicides, and herbicides	farms 71	19	12	22	13	-	4	1	-	-
	dollars 44,937	3,495	4,084	19,894	9,990	-	(D)	(D)	-	-
Fertilizers and manure purchased	farms 95	22	14	28	18	2	6	5	-	-
	dollars 93,777	(D)	6,220	27,840	27,020	(D)	10,014	18,200	-	-
Livestock, poultry, and fish purchased	farms 24	8	1	5	4	-	3	3	-	-
	dollars 19,560	6,110	(D)	1,600	(D)	-	3,600	(D)	-	-
Seed cost (including seedlings)	farms 66	21	6	16	13	1	4	5	-	-
	dollars 32,808	6,210	(D)	6,065	12,833	(D)	3,380	2,600	-	-
Gasoline, fuels and oils purchased	farms 196	46	19	52	36	5	16	15	2	5
	dollars 235,556	27,474	20,786	64,680	56,952	(D)	19,650	22,350	(D)	15,060
Water	farms 185	63	23	45	33	2	12	7	-	-
	dollars 254,042	80,406	26,314	53,895	67,788	(D)	19,039	(D)	-	-
Transportation cost (excluding fuel expenses)	farms 79	12	7	19	17	2	5	12	2	3
	dollars 136,545	42,600	6,880	28,750	18,075	(D)	5,100	22,300	(D)	6,580
ROOT CROPS HARVESTED FOR SALE										
Cassava (tapioca)	farms 32	7	3	11	5	2	4	-	-	-
	acres 21	(D)	(Z)	4	3	(D)	12	-	-	-
	pounds 21,951	(D)	2,050	14,275	2,491	(D)	1,900	-	-	-
Gado	farms 3	-	-	2	-	-	-	1	-	-
	acres (D)	-	-	(D)	-	-	-	(D)	-	-
	pounds (D)	-	-	(D)	-	-	-	(D)	-	-
Ginger	farms 16	2	3	6	1	-	1	3	-	-
	acres 4	(D)	(Z)	2	(D)	-	(D)	1	-	-
	pounds 15,290	(D)	25	(D)	(D)	-	(D)	11,100	-	-
Sweet potatoes	farms 43	11	4	12	10	1	3	2	-	-
	acres 35	2	1	4	14	(D)	(D)	(D)	-	-
	pounds 153,388	443	(D)	6,030	28,675	(D)	(D)	(D)	-	-
Taro	farms 40	10	4	13	9	-	2	2	-	-
	acres 20	(D)	1	5	6	-	(D)	(D)	-	-
	pounds 83,189	615	2,100	10,954	7,020	-	(D)	(D)	-	-
Yams	farms 18	6	2	4	5	-	-	-	1	-
	acres 4	(D)	(D)	1	2	-	-	-	(D)	-
	pounds 3,450	(D)	(D)	(D)	1,795	-	-	-	-	-
Other root crops	farms 2	2	-	-	-	-	-	-	-	-
	acres (D)	(D)	-	-	-	-	-	-	-	-
	pounds (D)	(D)	-	-	-	-	-	-	-	-
VEGETABLES AND MELONS HARVESTED FOR SALE										
Alfalfa and/or bean sprouts	farms 2	-	1	-	-	-	1	-	-	-
	pounds (D)	-	(D)	-	-	-	(D)	-	-	-
Beans, yard long	farms 30	4	1	10	10	-	5	-	-	-
	acres 10	(D)	(D)	3	4	-	2	-	-	-
	pounds 22,827	(D)	(D)	3,055	16,880	-	2,675	-	-	-
Beans, all other	farms 15	2	4	5	4	-	-	-	-	-
	acres 5	(D)	2	(D)	3	-	-	-	-	-
	pounds 11,288	(D)	4,200	(D)	4,968	-	-	-	-	-
Bittermelons	farms 30	7	2	8	8	-	5	-	-	-
	acres 10	(D)	(D)	2	3	-	4	-	-	-
	pounds 23,196	(D)	(D)	10,720	7,712	-	2,275	-	-	-
Cabbage, Chinese	farms 9	3	1	2	2	-	1	-	-	-
	acres 3	(Z)	(D)	(D)	(D)	-	(D)	-	-	-
	pounds 5,027	(D)	(D)	(D)	(D)	-	(D)	-	-	-
Cabbage, head	farms 2	-	-	-	1	-	1	-	-	-
	acres (D)	-	-	-	(D)	-	(D)	-	-	-
	pounds (D)	-	-	-	(D)	-	(D)	-	-	-
Cantaloupes	farms 2	1	-	1	-	-	-	-	-	-
	acres (D)	(D)	-	(D)	-	-	-	-	-	-
	pounds (D)	(D)	-	(D)	-	-	-	-	-	-
Corn ¹	farms 20	1	3	6	7	-	3	-	-	-
	acres 9	(D)	(D)	2	3	-	3	-	-	-
	pounds 18,421	(D)	2,100	5,200	9,211	-	(D)	-	-	-
Cucumbers	farms 41	5	2	16	11	1	4	2	-	-
	acres 20	1	(D)	5	8	(D)	4	(D)	-	-
	pounds 66,902	3,410	(D)	17,965	27,777	(D)	9,600	(D)	-	-
Eggplant	farms 67	16	6	25	14	1	5	-	-	-
	acres 21	2	(D)	6	9	(D)	3	-	-	-
	pounds 29,722	2,837	1,710	11,065	12,260	(D)	(D)	-	-	-
Muskmelons	farms 3	-	1	-	2	-	-	-	-	-
	acres (Z)	-	(D)	-	(D)	-	-	-	-	-
	pounds 1,040	-	(D)	-	(D)	-	-	-	-	-
Okra	farms 47	11	3	18	10	1	4	-	-	-
	acres 12	2	(Z)	4	6	(D)	(D)	-	-	-
	pounds 24,588	1,985	(D)	6,090	15,560	(D)	450	-	-	-

See footnote(s) at end of table.

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Table 31. Summary by Size of Farm: 2018 (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 acres	2 to 4 acres	4 to 8 acres	8 to 10 acres	10 to 20 acres	20 to 40 acres	40 to 50 acres	50 acres or more
FRUITS, NUTS, AND NURSERY CROPS (INCLUDING ORNAMENTAL PLANTS) HARVESTED FOR SALE - Con.										
Nursery crops (including ornamental plants) farms	29	20	4	3	1	-	1	-	-	-
sq.ft. under cover	35,296	25,840	-	(D)	-	-	(D)	-	-	-
acres in the open	17	2	4	(D)	(D)	-	(D)	-	-	-
LIVESTOCK, POULTRY, AQUACULTURE AND THEIR PRODUCTS										
Inventory										
All cattle and calves farms	72	7	3	13	15	3	11	13	2	5
number	1,156	21	(D)	88	163	15	204	376	(D)	184
Milk cows farms	4	-	1	2	1	-	-	-	-	-
number	6	-	(D)	(D)	(D)	-	-	-	-	-
Other cattle and calves farms	70	7	2	13	14	3	11	13	2	5
number	1,150	21	(D)	(D)	(D)	15	204	376	(D)	184
Hogs and pigs of all ages farms	72	17	12	18	15	1	6	1	1	1
number	1,107	192	274	219	343	(D)	51	(D)	(D)	(D)
Goats and kids of all ages farms	48	11	9	12	7	-	7	1	-	1
number	636	92	82	164	64	-	186	(D)	-	(D)
Horses, mules, and colts of all ages farms	-	-	-	-	-	-	-	-	-	-
number	-	-	-	-	-	-	-	-	-	-
Chicken hens 4 months old or older farms	115	37	15	28	16	1	9	7	1	1
number	5,936	1,188	1,784	1,205	977	(D)	330	340	(D)	(D)
Commercial layers farms	5	-	1	-	3	-	-	1	-	-
number	(D)	-	(D)	-	154	-	-	(D)	-	-
Other chicken hens farms	111	37	14	28	14	1	9	6	1	1
number	(D)	1,188	(D)	1,205	823	(D)	330	(D)	(D)	(D)
Chickens under 4 months old farms	83	33	12	18	8	-	9	3	-	-
number	2,478	1,294	183	422	223	-	232	124	-	-
Roosters and pullets farms	61	20	9	17	9	-	2	4	-	-
number	813	246	172	147	139	(D)	(D)	(D)	-	-
Fighting roosters farms	47	24	4	8	8	1	-	2	-	-
number	1,076	620	66	231	120	(D)	-	(D)	-	-
Ducks farms	42	13	7	8	9	1	4	-	-	-
number	807	142	(D)	144	223	(D)	184	-	-	-
Pigeons farms	11	3	2	3	2	-	1	-	-	-
number	440	19	(D)	200	(D)	-	(D)	-	-	-
Other poultry farms	5	-	-	4	1	-	-	-	-	-
number	46	-	-	(D)	(D)	-	-	-	-	-
Sales										
All cattle and calves farms	21	-	-	2	5	1	2	5	2	4
number	108	-	-	(D)	13	(D)	(D)	34	(D)	12
Milk cows farms	-	-	-	-	-	-	-	-	-	-
number	-	-	-	-	-	-	-	-	-	-
Milk farms	2	-	-	2	-	-	-	-	-	-
quarts	(D)	-	-	(D)	-	-	-	-	-	-
Other cattle and calves farms	21	-	-	2	5	1	2	5	2	4
number	108	-	-	(D)	13	(D)	(D)	34	(D)	12
Hogs and pigs of all ages farms	30	11	4	6	6	-	2	-	1	-
number	620	86	69	77	375	-	(D)	-	(D)	-
Goats and kids of all ages farms	10	2	1	5	1	-	-	1	-	-
number	49	(D)	(D)	30	(D)	-	-	(D)	-	-
Horses, mules, and colts of all ages farms	-	-	-	-	-	-	-	-	-	-
number	-	-	-	-	-	-	-	-	-	-
Chicken hens 4 months old or older farms	7	2	1	2	1	-	1	-	-	-
number	375	(D)	(D)	(D)	(D)	-	(D)	-	-	-
Commercial layers farms	1	-	1	-	-	-	-	-	-	-
number	(D)	-	(D)	-	-	-	-	-	-	-
Other chicken hens farms	6	2	-	2	1	-	1	-	-	-
number	(D)	(D)	-	(D)	(D)	-	(D)	-	-	-
Chickens under 4 months old farms	1	1	-	-	-	-	-	-	-	-
number	(D)	(D)	-	-	-	-	-	-	-	-
Roosters and pullets farms	4	4	-	-	-	-	-	-	-	-
number	135	135	-	-	-	-	-	-	-	-
Fighting roosters farms	10	5	2	2	1	-	-	-	-	-
number	262	92	(D)	(D)	(D)	-	-	-	-	-
Ducks farms	3	1	1	-	-	-	1	-	-	-
number	30	(D)	(D)	-	-	-	(D)	-	-	-
Pigeons farms	1	-	-	-	-	-	1	-	-	-
number	(D)	-	-	-	-	-	(D)	-	-	-
Chicken eggs farms	27	8	6	9	1	1	1	1	-	-
dozens	51,596	844	(D)	2,979	(D)	(D)	(D)	(D)	-	-
Other poultry and poultry products (excluding chicken eggs) farms	-	-	-	-	-	-	-	-	-	-
number	-	-	-	-	-	-	-	-	-	-
Fish and other aquaculture products farms	4	-	2	-	1	-	1	-	-	-
pounds	1,100	-	(D)	-	(D)	-	(D)	-	-	-

¹ Includes dry and green corn.

Table 32. Summary by Market Value of Agricultural Products Sold: 2018

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

Item	Total	Less than \$1,200	\$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	253	132	26	29	15	9	42
Percent of farms	100.0	52.2	10.3	11.5	5.9	3.6	16.6
Land in farms .....acres	1,515	671	249	141	106	59	291
Percent of distribution	100.0	44.2	16.4	9.3	7.0	3.9	19.2
Average size of farm .....acres	6.0	5.1	9.6	4.9	7.1	6.5	6.9
LAND USE							
Total cropland .....farms	170	73	14	24	12	9	38
.....acres	431	115	25	58	27	52	154
Harvested .....farms	166	70	13	24	12	9	38
.....acres	372	81	(D)	(D)	(D)	40	147
Other .....farms	18	6	1	2	1	3	5
.....acres	60	35	(D)	(D)	(D)	12	7
Pasture or grazing land .....farms	65	38	9	4	3	-	11
.....acres	924	458	217	(D)	(D)	-	116
Woodland .....farms	12	8	-	2	2	-	-
.....acres	35	(D)	-	(D)	(D)	-	-
Other land .....farms	109	65	11	11	4	4	14
.....acres	125	(D)	6	(D)	(D)	7	21
IRRIGATION							
Land irrigated .....farms	205	100	18	27	13	9	38
.....acres	780	320	41	102	54	47	216
Private system .....farms	50	13	3	13	5	3	13
.....acres	309	109	(D)	30	32	(D)	107
Public system .....farms	177	91	15	21	11	8	31
.....acres	471	211	(D)	73	22	(D)	108
FARMS BY MAJOR SOURCE OF IRRIGATION WATER							
Well or cistern	34	14	4	6	2	1	7
River or stream	-	-	-	-	-	-	-
Lake or private pond	-	-	-	-	-	-	-
Canal or irrigation district	-	-	-	-	-	-	-
Public utility	163	84	13	21	10	8	27
Other	8	2	1	-	1	-	4
TENURE OF OPERATOR							
All operators .....farms	253	132	26	29	15	9	42
.....acres	1,515	671	249	141	106	59	291
Owners .....farms	171	93	19	24	13	4	18
.....acres	829	(D)	(D)	(D)	(D)	35	100
Full owners .....farms	162	91	17	22	13	4	15
.....acres	618	360	(D)	67	(D)	35	81
Part owners .....farms	9	2	2	2	-	-	3
.....acres	211	(D)	(D)	(D)	-	-	19
Tenants .....farms	82	39	7	5	2	5	24
.....acres	687	(D)	(D)	(D)	(D)	24	191
FARMS BY SIZE							
Farms .....number	253	132	26	29	15	9	42
Less than 1 acre	72	45	12	7	1	1	6
1 to 2 acres	30	15	3	3	5	2	2
2 to 4 acres	61	29	5	10	2	1	14
4 to 8 acres	45	22	1	5	4	2	11
8 to 10 acres	5	4	1	-	-	-	-
10 to 20 acres	18	8	-	2	1	2	5
20 to 40 acres	15	7	1	2	1	1	3
40 to 50 acres	2	-	-	-	1	-	1
50 acres or more	5	2	3	-	-	-	-
OPERATOR CHARACTERISTICS							
Operators by place of residence:							
On farm operated	156	92	16	18	6	8	16
Not on farm operated	97	40	10	11	9	1	26
Operators by years on present farm:							
2 years or less	24	16	1	3	1	-	3
3 to 4 years	40	20	6	2	1	4	7
5 to 9 years	48	20	8	11	-	2	7
10 years or more	141	76	11	13	13	3	25
Operators by age group:							
Under 35 years	17	13	2	1	-	-	1
35 to 44 years	28	13	3	2	2	-	8
45 to 54 years	75	34	15	3	6	4	13
55 to 64 years	77	42	3	16	2	2	12
65 years and over	56	30	3	7	5	3	8
Average age	55	54	51	58	60	57	53
Operators by main occupation:							
Agricultural	171	93	15	17	8	6	32
Nonagricultural	82	39	11	12	7	3	10
Operators by days of work off farm:							
None	39	16	6	4	-	4	9
Any	214	116	20	25	15	5	33
1 to 49 days	24	15	-	-	2	-	7
50 to 99 days	27	22	-	1	2	-	2
100 to 149 days	12	2	3	4	2	-	1
150 to 199 days	35	14	9	4	4	-	4
200 days or more	116	63	8	16	5	5	19

See footnote(s) at end of table.

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Table 32. Summary by Market Value of Agricultural Products Sold: 2018 (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
OPERATOR CHARACTERISTICS - Con.							
Operators by race:							
Chamorro	150	85	14	16	11	3	21
Chinese	15	2	-	-	-	5	8
Filipino	36	17	4	8	2	1	4
Japanese	1	1	-	-	-	-	-
White	6	4	-	-	-	-	2
Other	45	23	8	5	2	-	7
Operators by citizenship:							
U.S. citizen born in CNMI	167	97	18	17	12	3	20
U.S. citizen born in other state or territory	13	8	1	1	-	-	3
Naturalized U.S. citizen	18	6	3	5	-	-	4
Not a U.S. citizen	55	21	4	6	3	6	15
Operators by sex:							
Male	202	111	19	20	12	8	32
Female	51	21	7	9	3	1	10
COMPUTER USE							
Computers used for the farm business	29	11	-	5	2	1	10
No computers used for the farm business	224	121	26	24	13	8	32
Internet access							
Dial-up service	148	76	13	19	6	4	30
DSL service	-	-	-	-	-	-	-
Cable modem service	31	17	-	7	-	1	6
Fiber-optic service	-	-	-	-	-	-	-
Mobile broadband plan for a computer or cellphone	112	58	10	12	5	3	24
Satellite service	-	-	-	-	-	-	-
Broadband over power lines (BPL)	5	1	3	-	1	-	-
Other type of service	-	-	-	-	-	-	-
No internet access	105	56	13	10	9	5	12
LABOR STATUS							
Farms	253	132	26	29	15	9	42
workers	551	274	47	69	35	22	104
Unpaid labor	204	121	21	26	14	2	20
workers	386	246	39	43	(D)	(D)	33
Less than 25 days	4	1	2	-	1	-	-
workers	6	(D)	(D)	-	(D)	-	-
25 to 149 days	20	10	2	2	-	-	6
workers	35	(D)	(D)	(D)	-	-	(D)
150 days or more	184	112	18	24	13	2	15
workers	345	231	33	(D)	(D)	(D)	(D)
Paid labor	86	18	6	11	9	8	34
workers	165	28	8	26	(D)	(D)	71
Less than 25 days	12	7	-	3	2	-	-
workers	30	13	-	(D)	(D)	-	-
25 to 149 days	12	4	-	3	1	-	4
workers	15	5	-	(D)	(D)	-	5
150 days or more	62	7	6	5	6	8	30
workers	120	10	8	(D)	12	(D)	66
SELECTED MACHINERY AND EQUIPMENT							
Tractors (all kinds)	45	15	5	6	3	5	11
number	55	17	5	6	4	5	18
Motortrucks	23	8	1	4	3	-	7
number	24	8	(D)	4	(D)	-	8
Automobiles	212	110	25	24	13	9	31
number	298	156	30	36	19	12	45
Tillers (all kinds)	58	8	1	9	5	7	28
number	151	(D)	(D)	12	35	15	79
MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD							
Total sales	253	132	26	29	15	9	42
dollars	1,580,081	23,299	44,940	91,445	88,830	80,990	1,250,577
Average per farm	6,245	177	1,728	3,153	5,922	8,999	29,776
Farms by value of sales:							
Less than \$1,200	132	132	-	-	-	-	-
dollars	23,299	23,299	-	-	-	-	-
\$1,200 to \$2,499	26	-	26	-	-	-	-
dollars	44,940	-	44,940	-	-	-	-
\$2,500 to \$4,999	29	-	-	29	-	-	-
dollars	91,445	-	-	91,445	-	-	-
\$5,000 to \$7,499	15	-	-	-	15	-	-
dollars	88,830	-	-	-	88,830	-	-
\$7,500 to \$9,999	9	-	-	-	-	9	-
dollars	80,990	-	-	-	-	80,990	-
\$10,000 or more	42	-	-	-	-	-	42
dollars	1,250,577	-	-	-	-	-	1,250,577
SALES BY COMMODITY GROUP OR PRODUCT							
Root crops	43	8	3	8	5	-	19
dollars	(D)	1,895	(D)	11,250	15,723	-	221,700
Vegetables and melons	64	11	2	7	6	8	30
dollars	638,609	(D)	(D)	14,800	19,107	(D)	527,382
Fruits and nuts	66	24	5	15	5	3	14
dollars	(D)	8,800	(D)	21,880	16,600	(D)	90,008

See footnote(s) at end of table.

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Table 32. Summary by Market Value of Agricultural Products Sold: 2018 (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
SALES BY COMMODITY GROUP OR PRODUCT - Con.							
Nursery crops (including ornamental plants) farms	19	4	4	4	2	-	5
dollars	186,390	(D)	(D)	5,950	(D)	-	163,000
Livestock and livestock products farms	46	8	14	10	5	1	8
dollars	134,175	(D)	19,550	27,500	27,250	(D)	(D)
Poultry and poultry products farms	43	15	11	7	2	2	6
dollars	214,201	3,669	8,340	10,065	(D)	(D)	191,787
Fish and other aquaculture products farms	3	-	2	-	-	-	1
dollars	(D)	-	(D)	-	-	-	(D)
SELECTED FARM PRODUCTION EXPENSES							
Machine hire and customwork farms	71	29	5	5	4	6	22
dollars	162,811	31,269	9,032	1,850	7,100	24,800	88,760
Hired farm labor farms	86	18	6	11	9	8	34
dollars	960,863	39,433	44,740	71,600	43,100	108,500	653,490
Feed purchased for livestock, poultry, and fish farms	92	55	9	13	4	1	10
dollars	244,180	97,962	13,480	22,743	(D)	(D)	103,580
Insecticides, fungicides, and herbicides farms	71	16	4	13	8	6	24
dollars	44,937	2,848	545	3,380	2,570	7,074	28,520
Fertilizers and manure purchased farms	95	23	10	13	9	8	32
dollars	93,777	7,266	2,212	6,530	10,320	8,669	58,780
Livestock, poultry, and fish purchased farms	24	13	4	2	1	-	4
dollars	19,560	7,860	2,600	(D)	(D)	-	2,000
Seed cost (including seedlings) farms	66	18	5	8	3	5	27
dollars	32,808	3,003	(D)	4,065	(D)	5,000	13,530
Gasoline, fuels and oils purchased farms	196	92	15	26	15	9	39
dollars	235,556	79,745	18,260	29,009	20,930	12,250	75,362
Water farms	185	95	16	25	8	8	33
dollars	254,042	71,033	17,110	21,829	24,140	18,020	101,910
Transportation cost (excluding fuel expenses) farms	79	37	8	7	8	2	17
dollars	136,545	83,820	(D)	15,500	9,695	(D)	18,950
ROOT CROPS HARVESTED FOR SALE							
Cassava (tapioca) farms	32	7	5	8	4	-	8
acres	21	1	1	11	1	-	5
pounds	21,951	1,305	170	2,880	1,295	-	16,301
Gado farms	3	-	-	2	-	-	1
acres	(D)	-	-	(D)	-	-	(D)
pounds	(D)	-	-	(D)	-	-	(D)
Ginger farms	16	6	-	2	3	-	5
acres	4	(D)	-	(D)	1	-	2
pounds	15,290	(D)	-	(D)	105	-	15,100
Sweet potatoes farms	43	14	5	3	3	-	18
acres	35	4	(D)	1	(D)	-	19
pounds	153,388	1,133	(D)	230	(D)	-	140,405
Taro farms	40	13	4	4	5	-	14
acres	20	5	1	1	3	-	10
pounds	83,189	1,074	(D)	2,120	(D)	-	75,025
Yams farms	18	7	2	2	4	-	3
acres	4	(D)	(D)	(D)	1	-	2
pounds	3,450	135	(D)	(D)	960	-	2,300
Other root crops farms	2	1	-	-	-	-	1
acres	(D)	(D)	-	-	-	-	(D)
pounds	(D)	(D)	-	-	-	-	-
VEGETABLES AND MELONS HARVESTED FOR SALE							
Alfalfa and/or bean sprouts farms	2	-	-	-	-	-	2
pounds	(D)	-	-	-	-	-	(D)
Beans, yard long farms	30	6	-	3	3	4	14
acres	10	1	-	1	1	1	6
pounds	22,827	222	-	1,200	800	1,280	19,325
Beans, all other farms	15	1	1	-	1	3	9
acres	5	(D)	(D)	-	(D)	1	3
pounds	11,288	-	(D)	-	(D)	(D)	6,068
Bittermelons farms	30	3	3	3	3	6	12
acres	10	(Z)	(Z)	1	1	3	5
pounds	23,196	(D)	230	(D)	550	3,800	17,737
Cabbage, Chinese farms	9	1	-	-	-	1	7
acres	3	(D)	-	-	-	(D)	(D)
pounds	5,027	(D)	-	-	-	(D)	(D)
Cabbage, head farms	2	-	-	-	-	-	2
acres	(D)	-	-	-	-	-	(D)
pounds	(D)	-	-	-	-	-	(D)
Cantaloupes farms	2	-	2	-	-	-	-
acres	(D)	-	(D)	-	-	-	-
pounds	(D)	-	(D)	-	-	-	-
Corn ¹ farms	20	-	1	1	1	6	11
acres	9	-	(D)	(D)	(D)	3	5
pounds	18,421	-	(D)	(D)	(D)	8,200	9,600
Cucumbers farms	41	5	2	2	4	2	26
acres	20	1	(D)	(D)	2	(D)	14
pounds	66,902	(D)	(D)	(D)	833	(D)	61,750
Eggplant farms	67	20	2	7	6	6	26
acres	21	5	(D)	2	2	(D)	11
pounds	29,722	(D)	(D)	1,430	1,300	4,560	21,055
Muskmelons farms	3	1	-	-	-	2	-
acres	(Z)	(D)	-	-	-	(D)	-
pounds	1,040	(D)	-	-	-	(D)	-
Okra farms	47	9	3	6	3	4	22
acres	12	1	1	2	(Z)	1	8
pounds	24,588	408	(D)	1,440	(D)	2,000	20,040

See footnote(s) at end of table.

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Table 32. Summary by Market Value of Agricultural Products Sold: 2018 (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
VEGETABLES AND MELONS HARVESTED FOR SALE - Con.							
Onions, green farms	36	11	2	1	2	6	14
acres	11	3	(D)	(D)	(D)	1	5
pounds	11,495	245	(D)	(D)	(D)	2,800	7,640
Peppers, hot farms	68	22	6	7	4	8	21
acres	21	3	2	2	1	2	10
pounds	38,269	544	(D)	1,410	(D)	5,750	29,365
Peppers, sweet farms	7	-	1	1	-	1	4
acres	11	-	(D)	(D)	-	(D)	2
pounds	4,140	-	(D)	(D)	-	(D)	(D)
Pumpkins and squash farms	42	14	2	2	2	4	18
acres	14	3	(D)	(D)	(D)	1	8
pounds	38,767	637	(D)	(D)	(D)	(D)	32,720
Radishes farms	19	2	-	1	4	3	9
acres	11	(D)	-	(D)	(D)	(Z)	9
pounds	12,690	(D)	-	(D)	(D)	2,300	9,100
Tomatoes farms	47	14	1	3	4	7	18
acres	22	8	(D)	(D)	1	3	8
pounds	56,383	663	(D)	(D)	900	9,300	44,875
Watermelons farms	16	2	2	-	2	2	8
acres	13	(D)	(D)	-	(D)	(D)	7
pounds	31,740	(D)	(D)	-	(D)	(D)	27,000
Other vegetables and melons farms	21	4	3	-	2	4	8
acres	14	(D)	2	-	(D)	2	9
pounds	20,672	12	(D)	-	(D)	2,400	18,110
FRUITS, NUTS, AND NURSERY CROPS (INCLUDING ORNAMENTAL PLANTS) HARVESTED FOR SALE							
Avocados farms	45	24	6	6	4	1	4
trees not of bearing age	242	23	22	77	7	(D)	(D)
trees of bearing age	197	40	38	25	9	(D)	(D)
pounds	4,551	566	1,280	1,305	(D)	(D)	900
Bananas (all types) farms	118	61	7	20	9	1	20
trees not of bearing age	16,596	1,999	185	2,770	(D)	(D)	4,972
trees of bearing age	17,076	4,052	(D)	5,863	1,153	(D)	1,792
pounds	79,135	31,720	(D)	10,275	8,600	(D)	23,640
Betelnuts farms	62	33	5	11	5	1	7
trees not of bearing age	8,645	2,476	(D)	1,123	(D)	-	(D)
trees of bearing age	8,640	1,455	140	630	(D)	(D)	3,690
pounds	31,035	6,055	800	6,600	(D)	(D)	8,280
Breadfruits farms	40	20	2	7	5	1	5
trees not of bearing age	57	25	(D)	14	(D)	(D)	-
trees of bearing age	101	42	(D)	22	11	(D)	17
pounds	6,200	2,330	(D)	880	900	(D)	540
Coconuts farms	84	48	6	13	5	1	11
trees not of bearing age	1,130	638	(D)	222	(D)	-	(D)
trees of bearing age	2,669	1,106	(D)	535	262	(D)	475
pounds	27,305	14,430	(D)	6,350	(D)	-	4,720
Grapefruit farms	18	10	2	3	2	1	-
trees not of bearing age	15	(D)	(D)	(D)	-	-	-
trees of bearing age	32	16	(D)	8	(D)	(D)	-
pounds	3,526	605	(D)	1,400	(D)	(D)	-
Guavas farms	32	12	6	3	2	1	8
trees not of bearing age	(D)	(D)	8	(D)	-	-	(D)
trees of bearing age	325	25	(D)	16	(D)	(D)	106
pounds	2,591	355	76	(D)	-	(D)	(D)
Lemons and limes farms	77	40	6	15	6	1	9
trees not of bearing age	504	185	(D)	60	(D)	-	(D)
trees of bearing age	795	351	18	116	(D)	(D)	196
pounds	12,075	2,155	860	2,740	(D)	(D)	3,720
Mangoes farms	81	40	8	13	6	1	13
trees not of bearing age	170	21	(D)	54	26	-	(D)
trees of bearing age	395	132	29	57	(D)	(D)	139
pounds	19,490	5,835	755	2,400	(D)	(D)	7,500
Oranges farms	17	7	3	4	2	-	1
trees not of bearing age	33	8	-	(D)	(D)	-	-
trees of bearing age	61	10	29	-	-	-	(D)
pounds	1,580	430	400	(D)	-	-	(D)
Papayas farms	74	43	5	5	6	3	12
trees not of bearing age	797	174	(D)	163	(D)	-	382
trees of bearing age	1,217	216	(D)	73	(D)	400	264
pounds	15,433	3,113	485	660	700	2,800	7,675
Pineapples farms	16	8	1	-	4	1	2
trees not of bearing age	252	(D)	-	-	(D)	-	-
trees of bearing age	321	186	(D)	-	(D)	(D)	(D)
pounds	780	(D)	(D)	-	(D)	-	-
Soursops farms	55	26	7	9	5	1	7
vines not of bearing age	160	68	(D)	22	(D)	-	(D)
vines of bearing age	371	77	(D)	144	11	(D)	78
pounds	7,770	920	120	590	(D)	(D)	(D)
Starfruits farms	19	9	4	1	2	1	2
trees not of bearing age	12	(D)	(D)	-	(D)	-	-
trees of bearing age	30	8	4	(D)	(D)	(D)	(D)
pounds	1,080	405	125	(D)	(D)	(D)	(D)
Sweetsops farms	38	19	3	6	3	1	6
trees not of bearing age	654	(D)	(D)	7	(D)	-	(D)
trees of bearing age	251	126	(D)	32	(D)	(D)	42
pounds	1,019	560	(D)	224	-	(D)	(D)
Tangerines farms	72	39	8	11	4	1	9
trees not of bearing age	220	92	(D)	12	(D)	-	(D)
trees of bearing age	417	190	48	34	(D)	(D)	70
pounds	8,435	3,490	1,175	1,320	(D)	(D)	(D)
Other fruits, nuts, and tree crops farms	30	11	6	4	2	1	6
plants or trees not of bearing age	676	55	(D)	-	-	-	(D)
plants or trees of bearing age	1,043	102	(D)	187	(D)	(D)	(D)
pounds	13,122	357	700	(D)	(D)	-	(D)

See footnote(s) at end of table.

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Table 32. Summary by Market Value of Agricultural Products Sold: 2018 (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, NUTS, AND NURSERY CROPS (INCLUDING ORNAMENTAL PLANTS) HARVESTED FOR SALE - Con.							
Nursery crops (including ornamental plants)							
..... farms	29	14	4	4	2	-	5
..... sq.ft. under cover	35,296	6,216	900	(D)	-	-	23,424
..... acres in the open	17	3	1	(D)	(D)	-	(D)
LIVESTOCK, POULTRY, AQUACULTURE AND THEIR PRODUCTS							
Inventory							
All cattle and calves							
..... farms	72	42	8	7	5	-	10
..... number	1,156	659	138	64	145	-	150
Milk cows							
..... farms	4	1	-	-	-	-	3
..... number	6	(D)	-	-	-	-	(D)
Other cattle and calves							
..... farms	70	41	8	7	5	-	9
..... number	1,150	(D)	138	64	145	-	(D)
Hogs and pigs of all ages							
..... farms	72	40	10	10	4	1	7
..... number	1,107	342	140	166	(D)	(D)	333
Goats and kids of all ages							
..... farms	48	25	6	8	2	1	6
..... number	636	348	36	58	(D)	(D)	106
Horses, mules, and colts of all ages							
..... farms	-	-	-	-	-	-	-
..... number	-	-	-	-	-	-	-
Chicken hens 4 months old or older							
..... farms	115	76	10	15	4	2	8
..... number	5,936	2,920	392	(D)	180	(D)	1,640
Commercial layers							
..... farms	5	2	-	2	-	-	1
..... number	(D)	(D)	-	(D)	-	-	(D)
Other chicken hens							
..... farms	111	74	10	14	4	2	7
..... number	(D)	(D)	392	730	180	(D)	(D)
Chickens under 4 months old							
..... farms	83	52	8	14	3	1	5
..... number	2,478	1,488	288	486	(D)	(D)	110
Roosters and pullets							
..... farms	61	34	6	13	1	2	5
..... number	813	361	66	293	(D)	(D)	56
Fighting roosters							
..... farms	47	32	5	6	1	-	3
..... number	1,076	655	(D)	167	(D)	-	130
Ducks							
..... farms	42	19	6	8	3	1	5
..... number	807	416	67	136	(D)	(D)	83
Pigeons							
..... farms	11	4	2	1	2	-	2
..... number	440	177	(D)	(D)	(D)	-	(D)
Other poultry							
..... farms	5	2	-	1	-	-	2
..... number	46	(D)	-	(D)	-	-	(D)
Sales							
All cattle and calves							
..... farms	21	6	6	4	3	-	2
..... number	108	28	(D)	17	25	-	(D)
Milk cows							
..... farms	-	-	-	-	-	-	-
..... number	-	-	-	-	-	-	-
Milk							
..... farms	2	-	-	-	-	-	2
..... quarts	(D)	-	-	-	-	-	(D)
Other cattle and calves							
..... farms	21	6	6	4	3	-	2
..... number	108	28	(D)	17	25	-	(D)
Hogs and pigs of all ages							
..... farms	30	7	6	6	4	1	6
..... number	620	230	58	100	(D)	(D)	173
Goats and kids of all ages							
..... farms	10	4	2	3	-	-	1
..... number	49	(D)	(D)	24	-	-	(D)
Horses, mules, and colts of all ages							
..... farms	-	-	-	-	-	-	-
..... number	-	-	-	-	-	-	-
Chicken hens 4 months old or older							
..... farms	7	3	2	-	-	1	1
..... number	375	105	(D)	-	-	(D)	(D)
Commercial layers							
..... farms	1	-	-	-	-	-	1
..... number	(D)	-	-	-	-	-	(D)
Other chicken hens							
..... farms	6	3	2	-	-	1	-
..... number	(D)	105	(D)	-	-	(D)	-
Chickens under 4 months old							
..... farms	1	-	1	-	-	-	-
..... number	(D)	-	(D)	-	-	-	-
Roosters and pullets							
..... farms	4	-	1	3	-	-	-
..... number	135	-	(D)	(D)	-	-	-
Fighting roosters							
..... farms	10	2	5	-	-	-	3
..... number	262	(D)	(D)	-	-	-	130
Ducks							
..... farms	3	-	1	1	-	1	-
..... number	30	-	(D)	(D)	-	(D)	-
Pigeons							
..... farms	1	-	-	-	1	-	-
..... number	(D)	-	-	-	(D)	-	-
Chicken eggs							
..... farms	27	11	6	3	1	1	5
..... dozens	51,596	3,085	(D)	120	(D)	(D)	(D)
Other poultry and poultry products (excluding chicken eggs)							
..... farms	-	-	-	-	-	-	-
..... number	-	-	-	-	-	-	-
Fish and other aquaculture products							
..... farms	4	-	2	-	-	-	2
..... pounds	1,100	-	(D)	-	-	-	(D)

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

As in the previous censuses of the CNMI, a direct enumeration procedure was used in the 2018 Census of Agriculture. Enumeration was based on a list of farm operators compiled by the CNMI Department of Commerce, Central Statistics Division. The statistics on this report were collected during the spring of 2019.

THE CENSUS POPULATION

For the 2018 CNMI Census of Agriculture, a list of farm operators was compiled by the CNMI Department of Commerce. The core of this list was a compilation of all persons having a business license to sell agricultural products. 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 operator and contacted that person, to ensure that he/she was included in the census.

DATA COLLECTION OUTREACH AND PROMOTIONAL EFFORTS

The Public Affairs Office (PAO) developed a communication plan largely based on promotional materials that were shared with local outreach

partners, including but not limited to the CNMI Department of Commerce, the Northern Marianas College and its Cooperative Research Extension, and local USDA agencies. The goal with these promotional materials included:

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

Partnership and Local-Level Outreach

NASS officials met with leaders from agricultural organizations, the CNMI Department of Commerce, the Northern Marianas College and its Cooperative Research Extension and other USDA agencies to successfully secure their support in promoting the census among their constituencies. Stakeholders partnered with NASS to promote the 2018 CNMI Census of Agriculture through publications (e.g. newsletters), special mailings, speeches, social media, websites, and other communications. Through grassroots-level outreach and efforts, NASS partnered with a number of community-based organizations to reach all farmers and ranchers. Among the highlights of these partnership efforts was the participation of local government officials on radio public service announcements promoting the importance of the 2018 CNMI Census of Agriculture.

Public Relations

In the public relations arena, NASS worked with internal and external stakeholders to equip them with communications tools and resources to deliver the

census communications message to their audiences. The materials included, but were not limited to: a press release/stakeholder notice, a public service announcement, flyers and posters, and a Frequently Asked Questions (FAQs) document; which were drafted for local media and other stakeholder distribution. These materials were available both electronically and in hard copy. Other outreach tools included items such as pens and notepads.

DATA COLLECTION

Method of Enumeration

Personal enumeration was used in the 2018 CNMI Census of Agriculture, and in the 2007 CNMI Census of Agriculture, enumeration was based on a list of farm operators compiled by the CNMI Department of Commerce, Central Statistics Division. 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 operator and contacted that person, to ensure that he/she was included in the census.

Report Form

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

A single version of the report form for the 2018 CNMI Census of Agriculture was prepared by NASS, in cooperation with the CNMI Department of Commerce, the Northern Marianas College and its Cooperative Research Extension; and various USDA agencies. Based on their comments, the content of the 2018 census report form remained almost unchanged from the previous census.

Training Program

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

REPORT FORM PROCESSING

Data Capture

The Census Bureau's National Processing Center (NPC) in Jeffersonville, IN was contracted to print, label, and ship the questionnaires to the CNMI. Completed questionnaires were then returned to NPC for data capture and scanning.

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

The keying staff evaluated the contents and captured pertinent responses. An independent quality control process occurs after initial keying where ten percent of the captured data is keyed a second time. If differences existed between the first keyed value and the second, an adjudicator handled resolution. The decision of the adjudicator was used to grade the performance of the keyers, who were required to maintain a certain accuracy level or receive additional training. The measured error rate for the entire survey was 0.39%. 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. 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. First, 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. Second, 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 (p)-percent rule will be used to determine dominance. Under this rule, if the two largest contributing farms' values to the county total are subtracted from the estimated total, the remainder must exceed a specified (p)-percent of the largest contributed value. If the remainder fails to exceed the specified percentage, the value is not published. 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 county 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 in all linear relationships in all tables. 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 was chosen.

MEASURED ERRORS IN THE CENSUS PROCESS

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

Variability in Census Estimates due to Statistical Adjustment

In conducting the 2018 CNMI Census of Agriculture, efforts were initiated to measure error associated with the adjustments for farm operations that were on the list of farm operators 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 2018 CNMI Census of Agriculture has a corresponding CV published with it. NASS has identified the following index to use when evaluating coefficient of variation for the 2018 CNMI Census of Agriculture.

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

NONMEASURED ERRORS IN THE CENSUS PROCESS

As noted in the previous section, sampling errors can be introduced from the nonresponse adjustment procedure. This error is measurable. However, nonsampling errors are imbedded in the census process that cannot be directly measured as part of the design of the census but must be contained to ensure an accurate count. Extensive efforts were made to compile a complete and accurate list of farmers for the census, to design an understandable report form with clear instructions, to train enumerators on how to ask the questions and record the answers on the report form, and to minimize processing errors through the use of quality control measures. The weight adjustment and tabulation processes recognize the presence of nonsampling errors; however, it is assumed that these errors are small and that, in total, the net effect is zero. In other words, the positive errors cancel the negative errors.

Respondent and Enumerator Error

Incorrect or incomplete responses to the census report form or to the questions posed by an enumerator can introduce error into the census data. Steps were taken in the design and execution of the census of agriculture to reduce reporting errors. Poor instructions and ambiguous definitions lead to misreporting. Respondents may not remember

accurately, may estimate responses, or enumerators may record an item in the wrong cell. To reduce reporting and recording errors, detailed instructions for completing the report form were provided to each enumerator, and questions were phrased as clearly as possible. In addition, each respondent's answers were checked for completeness and consistency by the complex edit and imputation system.

Item Nonresponse

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

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 the CNMI. Data requests are solicited from farm organizations, land-grant colleges and universities, State and Federal agencies, State departments of agriculture, agribusinesses, and other users. Each user is asked to identify and justify its specific data needs.

The report form for the 2018 Census of Agriculture for the CNMI was prepared by NASS, in cooperation with the CNMI Department of Commerce, Central Statistics Division. While similar to the report form used in 2007, changes were made to reflect changes in the CNMI's agriculture. 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 11, "Production Expenses" – "Gasoline, fuels, and oil purchased for the farm business", "Water expenses", "Transportation cost (excluding fuel expenses)".
- Section 13, "Practices" – To report selected practices utilized in the farm business.

DEFINITIONS AND EXPLANATIONS

The following definitions and explanations provide a detailed description of specific terms and phrases used in this publication. Items in the publication tables which carry the note "see text" also are explained. Report form section number references refer to the CNMI Census of Agriculture report form, 18-

A1(CNMI). Many of the definitions and explanations 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 2018 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 2018 report form.

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.

Fruits, nuts, and nursery crops - 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. For nursery crops, the land area harvested, both square feet under cover and acres in the open, were collected, along with the value of sales.

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 - This includes all wheel and track-laying (crawler) tractors and garden tractors.

Expenses. The 2018 report form contained questions on seven types of farm expenses incurred between January 1 and December 31, 2018, whether made by the farm operator, his/her landlord, or both. A farm operator 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 operator 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.

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 operator. The term "operator" designates a person who operates a farm, either by doing the work himself/herself or by directly supervising the work. The operator may be the owner, a member of the owner's household, a hired manager, or a tenant, renter, or sharecropper. If the operator rents land to others or has land worked on shares by others, he/she is considered the operator only if the land is retained for his/her own operation. In the case of partnership, only one partner is counted as an operator. By definition, the number of operators is the same as the number of farms.

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

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

Land owned. This includes all land that the operator 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 operator 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 operator 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 operator of land leased, rented, or worked on shares, even though his/her landlord may supervise the operations. The landlord is considered to be the operator 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, 2018. 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 operator 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.

Operator characteristics. Data were obtained to classify the operators according to the following seven characteristics:

Age of operator - Operators were classified by age into six groups. The average age was obtained by dividing the sum of the ages of all operators reporting by the number reporting.

Main occupation - If the operator 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.

Race of operator - The race, or national origin, of the operator was collected for the first time in 1993. Respondents were asked to choose between

Chamorro, Chinese, Filipino, Japanese, White, or Other to describe their race or national origin.

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

Residence of operator - Operators 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, an operator 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.

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.

Sex of operator - Operators are classified as male or female.

Farms by tenure of operator. In the 2018 census, all farms were classified by tenure of operator 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 operator was a full owner, part owner, or tenant.

Work off-farm - The extent to which operators 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.

Full owners - Operate only land they own

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

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

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

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 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 operator at the time of enumeration. The computer edit classified the value of agricultural products sold into one of the following groups:

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

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

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.

**2018
CENSUS OF AGRICULTURE**



**COMMONWEALTH
OF NORTHERN
MARIANA ISLANDS**



U.S. DEPARTMENT
OF AGRICULTURE

NATIONAL AGRICULTURAL
STATISTICS SERVICE

Part A - QUESTIONNAIRE IDENTIFICATION (NASS USE ONLY)

FARM SERIAL NUMBER

Part B - OPERATOR'S NAME AND ADDRESS OR PHYSICAL LOCATION

9810 Operation name

9811 Person name

9812 Address 1

9813 Address 2

0035	0036	0037	0038	0039	9814 City	9815 State	9816 Zip Code

NOTICE: Response to this inquiry is required by law (Title 7, U.S. Code). The information you provide will be used for statistical purposes only. In accordance with the Confidential Information Protection provisions of Title V, Subtitle A, Public Law 107-347 and other applicable Federal laws, your responses will be kept confidential and will not be disclosed in identifiable form to anyone other than employees or agents. By law, every employee and agent has taken an oath and is subject to a jail term, a fine, or both if he or she willfully discloses ANY identifiable information about you or your operation. Response is required.

SECTION 1 LAND IN AGRICULTURE

	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 ACRES IN "THIS PLACE" - 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

5. How many unpaid and paid farm hands (including the operator and family members) worked on this place in 2018?

Total farm hands
0051

a. Of the unpaid farm hands (including the operator and unpaid family workers), how many worked -

150 days or more?	25 to 149 days?	Less than 25 days?
0052	0053	0054

b. Of the paid farm hands (hired workers and paid members of the operator's family), how many worked -

0055	0056	0057

6. 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.)

CONTINUE ON PAGE 2

PENALTY FOR FAILURE TO REPORT

21178017

SECTION 2 ROOT CROPS

Did you harvest any ROOT CROPS FOR SALE in 2018?

0002 1 Yes - Complete this section 2 No - Go to Section 3

		How many acres were harvested in 2018?			How many pounds were harvested in 2018?
		Whole acres	Tenths		
1. Cassava (tapioca)	0070	<input type="checkbox"/>	/10	0071	
2. Gado	0076	<input type="checkbox"/>	/10	0077	
3. Ginger	0078	<input type="checkbox"/>	/10	0079	
4. Sweet potatoes	0086	<input type="checkbox"/>	/10	0087	
5. Taro	0090	<input type="checkbox"/>	/10	0091	
6. Yams	0092	<input type="checkbox"/>	/10	0093	
7. Other root crops – Specify C	0094	<input type="checkbox"/>	/10	0095	
0096	<input type="text"/>				

SECTION 3 VEGETABLES AND MELONS

Did you harvest any VEGETABLES or MELONS FOR SALE in 2018?

0003 1 Yes - Complete this section 2 No - Go to Section 4

		How many acres were harvested in 2018?			How many pounds were harvested in 2018?
		Whole acres	Tenths		
1 Alfalfa and/or bean sprouts		<input type="checkbox"/>		0101	
2. Beans, yard-long	0102	<input type="checkbox"/>	/10	0103	
3. Beans, all other varieties	0104	<input type="checkbox"/>	/10	0105	
4. Bittermelons	0106	<input type="checkbox"/>	/10	0107	
5. Cabbage, Chinese	0108	<input type="checkbox"/>	/10	0109	
6. Cabbage, head	0110	<input type="checkbox"/>	/10	0111	
7. Cantaloups	0112	<input type="checkbox"/>	/10	0113	
8. Corn	0118	<input type="checkbox"/>	/10	0119	
9. Cucumbers	0120	<input type="checkbox"/>	/10	0121	
10. Eggplant	0122	<input type="checkbox"/>	/10	0123	
11. Muskmelons	0128	<input type="checkbox"/>	/10	0129	
12. Okra	0130	<input type="checkbox"/>	/10	0131	
13. Onions, green	0132	<input type="checkbox"/>	/10	0133	
14. Peppers, hot	0134	<input type="checkbox"/>	/10	0135	
15. Peppers, sweet	0136	<input type="checkbox"/>	/10	0137	
16. Pumpkins and squash	0138	<input type="checkbox"/>	/10	0139	
17. Radishes	0140	<input type="checkbox"/>	/10	0141	
18. Tomatoes (Include both standard and cherry tomatoes)	0146	<input type="checkbox"/>	/10	0147	
19. Watermelons	0148	<input type="checkbox"/>	/10	0149	
20. Other vegetables and melons – Specify C	0150	<input type="checkbox"/>	/10	0151	
0152	<input type="text"/>				

SECTION 4 FRUITS, NUTS, AND NURSERY CROPS

Were any FRUITS, NUTS, or NURSERY CROPS grown or harvested FOR SALE in 2018?

0004 1 Yes - Complete this section 2 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 2018?
1. Avocados.....	0160 <input type="checkbox"/>		0161	0162
2. Bananas.....	0163 <input type="checkbox"/>		0164	0165
3. Betelnuts.....	0166 <input type="checkbox"/>		0167	0168
4. Breadfruits.....	0169 <input type="checkbox"/>		0170	0171
5. Coconuts.....	0172 <input type="checkbox"/>		0173	0174
6. Grapefruit.....	0175 <input type="checkbox"/>		0176	0177
7. Guavas.....	0178 <input type="checkbox"/>		0179	0180
8. Lemons and limes.....	0181 <input type="checkbox"/>		0182	0183
9. Mangoes.....	0184 <input type="checkbox"/>		0185	0186
10. Oranges.....	0187 <input type="checkbox"/>		0188	0189
11. Papayas.....	0190 <input type="checkbox"/>		0191	0192
12. Pineapples.....	0193 <input type="checkbox"/>		0194	0195
13. Soursops.....	0199 <input type="checkbox"/>		0200	0201
14. Starfruits.....	0202 <input type="checkbox"/>		0203	0204
15. Sweetsops.....	0205 <input type="checkbox"/>		0206	0207
16. Tangerines.....	0208 <input type="checkbox"/>		0209	0210
17. Other fruits, nuts, and tree crops - Specify C... 0211	<input type="checkbox"/>		0212	0213

0214

	None	Square feet under cover	Acres in the open		Value of sales in 2018	
		0218	Whole acres	Tenths	0220	
18. Nursery crops (including ornamental plants) ..	<input type="checkbox"/>			/10	\$	.00

SECTION 5 LAND USE

Land is to be reported in **ONLY ONE CATEGORY**. If two or more uses were made of the same land, report in the **FIRST** category that applies.

	None	Whole acres	Tenths
1. Cropland harvested – Report the number of acres on which crops were grown and harvested	0231 <input type="checkbox"/>		/10
2. Other cropland – Include cropland pasture, crop failure, idle and fallow cropland, and cropland used for soil improvement	0232 <input type="checkbox"/>		/10
3. Pasture or grazing land – Include woodland pasture. (DO NOT include cropland pasture.)	0233 <input type="checkbox"/>		/10
4. Woodland (DO NOT include woodland pasture.)	0234 <input type="checkbox"/>		/10
5. All other land – Include house lots, barn lots, lanes, roads, ditches, ponds, wasteland, etc.	0235 <input type="checkbox"/>		/10
6. TOTAL LAND – Add entries in questions 1 through 5. This total should equal the entry in section 1, question 4.	0236 <input type="checkbox"/>		/10

SECTION 6 IRRIGATION

Was Any LAND in this place **IRRIGATED** at any time during 2018? 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 2 **No** - Go to Section 7

	None	Whole acres	Tenths
1. How many acres were irrigated from a PRIVATE SYSTEM (wells, rivers, brooks, etc.)?	0240 <input type="checkbox"/>		/10
2. How many acres were irrigated from a PUBLIC SYSTEM?	0241 <input type="checkbox"/>		/10
3. If water from a public system was used, which rate was charged for the water?			
⁰²⁴⁵ 1 <input type="checkbox"/> Agricultural rate 2 <input type="checkbox"/> Residential rate			
4. Major source of water used for irrigation:			
⁰²⁴⁷ 1 <input type="checkbox"/> Well or cistern 3 <input type="checkbox"/> Lake or private pond 5 <input type="checkbox"/> Public utility			
2 <input type="checkbox"/> River or stream 4 <input type="checkbox"/> Canal or irrigation district 6 <input type="checkbox"/> Other – <i>Specify</i> ⁰²⁴⁸ <input type="text"/>			

SECTION 7 LIVESTOCK

Do you or anyone else have any LIVESTOCK (excluding poultry and fish) on this place or were any sold from this place in 2018?

0007 1 Yes - Complete this section 2 No - Go to Section 8

	None	How many are on this place today?	How many were sold in 2018?
1. Cattle and calves of all ages (Total of "a" and "b" below)	0252 <input type="checkbox"/>		0253
Of this total, how many –		Are on this place today?	Were sold in 2018?
a. Milk cows	0262	0263	
b. All other cattle and calves	0264	0265	
2. Hogs and pigs of all ages	0266 <input type="checkbox"/>		0267
3. Goats and kids of all ages	0274 <input type="checkbox"/>		0275
4. Horses, mules, and colts of all ages	0276 <input type="checkbox"/>		0277
5. Other livestock – Specify <input type="text"/>	0273 0278 <input type="checkbox"/>		0279
6. Quantity and value of milk sold in 2018	0280	Quarts sold	Gross value of sales
		0281	\$ <input type="text"/> .00

SECTION 8 POULTRY

Do you or anyone else have any POULTRY on this place or were any sold from this place in 2018?

0008 1 Yes - Complete this section 2 No - Go to Section 9

	None	How many are on this place today?	How many were sold in 2018?
1. Chicken hens 4 months old and over (Total of "a" and "b" below)	0292 <input type="checkbox"/>		0293
Of this total, how many –		Are on this place today?	Were sold in 2018?
a. Commercial layers	0294	0295	
b. Other chicken hens	0296	0297	
2. Chickens less than 4 months old	0300 <input type="checkbox"/>		0301
3. Roosters and pullets	0302 <input type="checkbox"/>		0303
4. Fighting roosters	0304 <input type="checkbox"/>		0305
5. Ducks	0306 <input type="checkbox"/>		0307
6. Pigeons	0308 <input type="checkbox"/>		0309
7. Other (geese, turkeys, etc.) – Specify <input type="text"/>	0314 0310 <input type="checkbox"/>		0311
8. Quantity and value of chicken eggs sold in 2018	0312	Dozens sold	Gross value of sales
		0313	\$ <input type="text"/> .00

SECTION 9 AQUACULTURE

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

⁰⁰⁰⁹ 1 Yes - Complete this section 2 No - Go to Section 10

		Number	
1.	How many in-ground ponds did you use?	0320	<input type="text"/>
2.	How many above-ground tanks did you use?	0321	<input type="text"/>
		Pounds sold	Gross value of sales
3.	How much FISH or other AQUACULTURE PRODUCT was raised and sold from this place in 2018?	0322 <input type="text"/>	0323 \$ <input type="text"/> .00

SECTION 10 VALUE OF SALES

What was the MARKET VALUE of the following AGRICULTURAL PRODUCTS SOLD from this place in 2018, before taxes and expenses?

		None	Dollars only	
1.	Root crops	0330 <input type="checkbox"/>	\$	<input type="text"/> .00
2.	Vegetables and melons	0331 <input type="checkbox"/>	\$	<input type="text"/> .00
3.	Fruits and nuts	0332 <input type="checkbox"/>	\$	<input type="text"/> .00
4.	Nursery crops, including ornamentals	0333 <input type="checkbox"/>	\$	<input type="text"/> .00
5.	Cattle and calves	0334 <input type="checkbox"/>	\$	<input type="text"/> .00
6.	Hogs and pigs	0335 <input type="checkbox"/>	\$	<input type="text"/> .00
7.	Poultry - chickens, roosters, pullets, ducks, pigeons, etc.	0336 <input type="checkbox"/>	\$	<input type="text"/> .00
8.	Eggs, except chicken eggs, and other poultry products	0337 <input type="checkbox"/>	\$	<input type="text"/> .00
9.	Other livestock and livestock products - goats, horses, mules, goats' milk, etc.	0338 <input type="checkbox"/>	\$	<input type="text"/> .00
	⁰³³⁹ Specify <input type="text"/>			

SECTION 11 PRODUCTION EXPENSES

How much were your EXPENDITURES for each of the following in 2018?

		None	Dollars only	
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.	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
4.	Insecticides, fungicides, and herbicides	0344 <input type="checkbox"/>	\$	<input type="text"/> .00
5.	Fertilizers and manure purchased	0345 <input type="checkbox"/>	\$	<input type="text"/> .00
6.	Livestock, poultry, and fish purchased	0346 <input type="checkbox"/>	\$	<input type="text"/> .00
7.	Seed cost - Include seedlings purchased	0347 <input type="checkbox"/>	\$	<input type="text"/> .00
8.	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
9.	Water expenses - Include water used for irrigation	0349 <input type="checkbox"/>	\$	<input type="text"/> .00
10.	Transportation cost (excluding fuel expenses)	0340 <input type="checkbox"/>	\$	<input type="text"/> .00

SECTION 12 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	0350 <input type="checkbox"/>	
2. Motortrucks	0351 <input type="checkbox"/>	
3. Automobiles	0352 <input type="checkbox"/>	
4. Tillers of all kinds	0353 <input type="checkbox"/>	

SECTION 13 PRACTICES

1. At any time during 2018, did this operation –
- a. Have fallow land? 0354 1 Yes 2 No
- b. Rotate crop? 0355 1 Yes 2 No
- c. Build paddocks for pasture rotation? 0356 1 Yes 2 No
- d. Plant any grasses such as guinea grass, napier or other species for land improvement? 0357 1 Yes 2 No
- e. Employ Freely Associated States citizens? 0358 1 Yes 2 No
- f. Use a computer for the farm business? 0359 1 Yes 2 No
- g. Have Internet access?
- 0371 1 Yes – Access to the Internet was through (check all that apply)
- 0372 1 Dial-up 3 Cable modem 5 Mobile broadband plan for a computer or a cell phone 7 Broadband over power lines
- 2 DSL 4 Fiber-optic 6 Satellite 8 Other, specify
- 2 No 0373

SECTION 14 OPERATOR CHARACTERISTICS

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

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

0360 1 Yes 2 No

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

Year

3. How old were you (operator) on your last last birthday?..... 0362

Age

4. At which occupation did you (operator) spend the majority (50 percent or more) of you work time in 2018? .. 0363

- 1 Farming or ranching
- 2 Other

5. OFF-FARM WORK – How many days did you (operator) work at least 4 hours per day off this place in 2018? Include work at a nonfarm job, business, or on someone else's farm. (Exclude exchange farm work.)..... 0364

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

6. RACE/NATIONAL ORIGIN of operator 0365

- 1 Chamorro
- 2 Chinese
- 3 Filipino
- 4 Japanese
- 5 White
- 6 Other – Specify C

0374

7. Citizenship of operator..... 0366

- 1 U.S. Citizen born in the CNMI
- 2 U.S. Citizen born in other state or territory
- 3 Naturalized U.S. Citizen
- 4 Not a U.S. Citizen

8. SEX of operator 0367

- 1 Male
- 2 Female

SECTION 15 ENUMERATOR'S RECORD (To be completed by the census enumerator)

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

- 1 Operator
- 2 Landlord
- 3 Spouse or other family member
- 4 Hired laborer
- 5 Other – Specify C

0375

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

0979

3. RESIDENCE OF OPERATOR	a. ED 0980	b. Village 0981
	<input type="text"/>	<input type="text"/>
4. LOCATION OF LAND	a. ED 0982	b. ED number 0983
	<input type="text"/>	<input type="text"/>
5. CERTIFIED BY	Enumerator's signature 0984	Date 0985
	<input type="text"/>	/ /2019
6. CHECKED BY	Enumerator's signature 0986	Date 0987
	<input type="text"/>	/ /2019

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