

# The Democratic Republic of Timor-Leste

## Timor-Leste Agricultural Census 2019

### *Highlights of Main Report*

General Directorate of Statistics (GDS), MoF and  
Ministry of Agriculture and Fisheries (MAF)  
Dili, 10 November 2020



## Scope of TLAC 2019

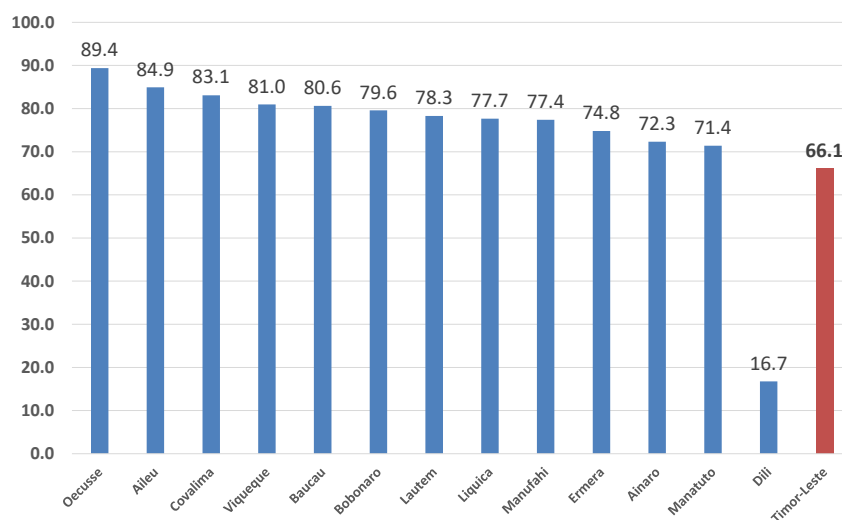
- TLAC 2019 was carried out during August to October 2019
- Data was collected in three questionnaires for the agriculture census:
  - Form-1 was used in the listing phase of households and institutions and canvassed on census basis
  - Form-2 was used for detailed data collection of agricultural activities of farm households and farm institutions
  - Form-3 was administered to the village (Suco) leaders to collect information on suco particulars, calamities/disasters, availability of economic activities, etc. along with availability of suco level infrastructure.

**This report presents the data collected in Form-1 and Form-2 only**

## Summary Indicators

- Timor Leste's 452 villages are clustered within 65 sub-municipalities
- Sub-municipalities are grouped within 13 municipalities
- Some key estimates obtained from the TLAC 2019 are presented for the country as a whole and in some cases, for municipalities in the report

Percentage of household agricultural holdings to total households listed by Municipality



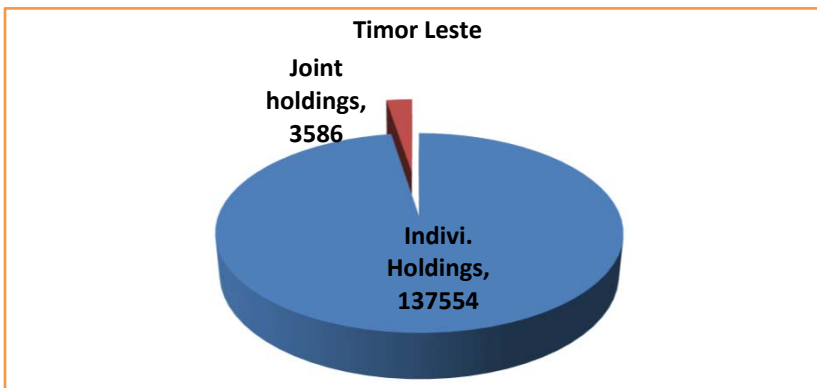
## Listing of Households and Institutions

Data Item	Estimate
Number of inhabited enumeration areas listed	2 237
Total number of private households listed	213 417
Total population enumerated	1 208 070
Total number of agriculture household holdings* listed	141 141
Total number of farm institutions listed	597
Percentage of household agricultural holdings to total households listed	66%
* Household agricultural holding was identified according to the pre-requisite conditions for a minimum cropping area of 0.02 ha and/or having at least: 2 large livestock and/or 3 small livestock and/or a minimum of 10 poultry	

## Agricultural Holdings and Area

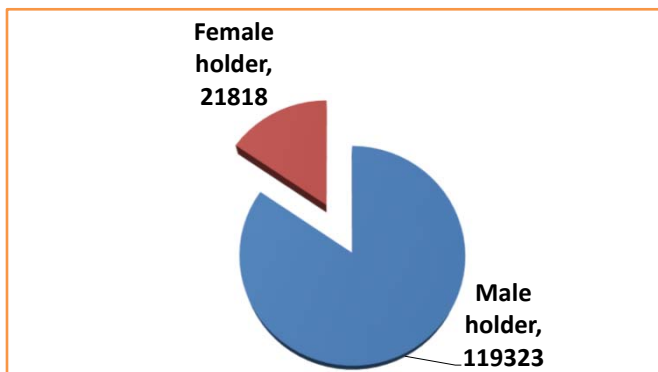
<i>Data Items</i>	<i>Number</i>	<i>Area (in hectare)</i>
All household agricultural holdings	141 141	216 180
All institutional agricultural holdings	597	3 070
Total agricultural holdings	141 738	219 250
Number of households engaged <b>only in fishing activity</b> at least for 15 days during last 12 months		3 637
Number of households engaged <b>only in aquaculture activity</b> at least for 15 days during last 12 months		2 069

## Type of Household Agriculture Holding



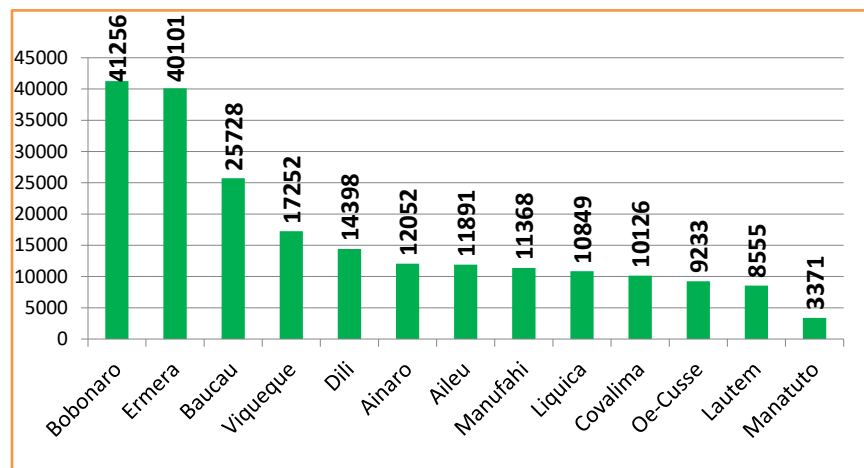
Around 98 percent (137 554) are individual holdings, and 2 percent (3043) are joint holdings

## Household Agriculture Holding and Sex of Holder

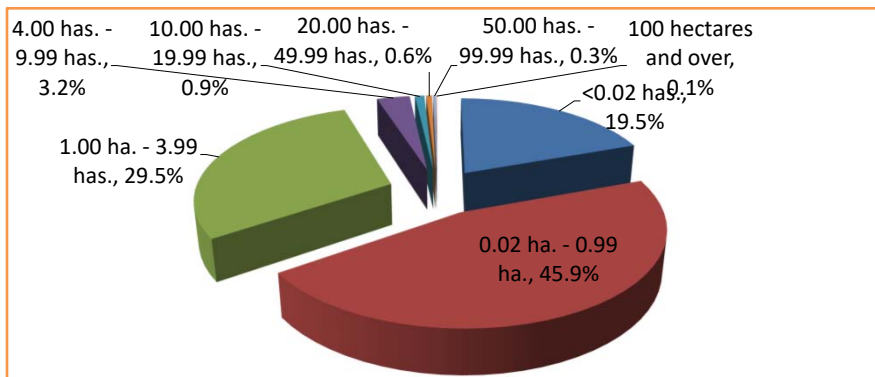


Around 15 percent (21 818) holders are females and rest 85 percent (119 323) holders are males

### Total Area (Ha.) of Household Agricultural Holdings by Municipality



### Percentage of Household Agricultural Holdings by Size Class of Holding

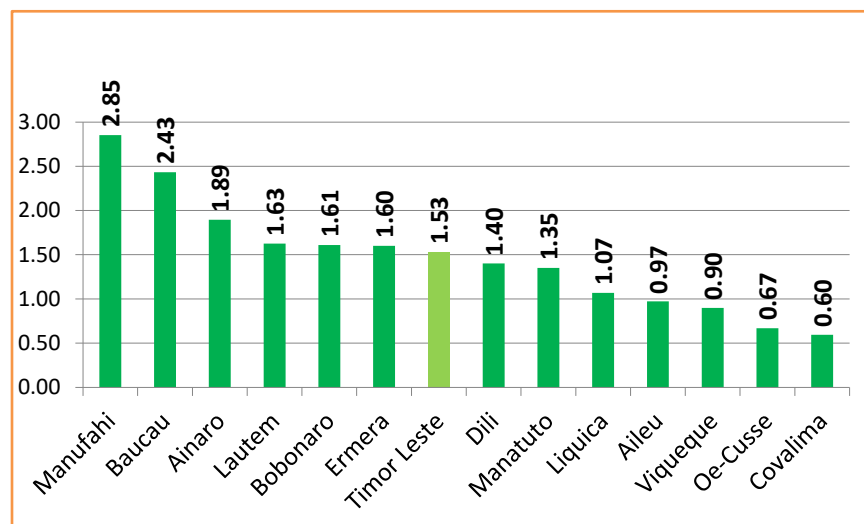


1. Around 66 percent had land measuring less than 1 ha in size, and shared only 8 percent of total agricultural area of the country
2. Nearly 2 percent of household agricultural holdings of size 10 ha or more operated 52 percent of total agricultural land area

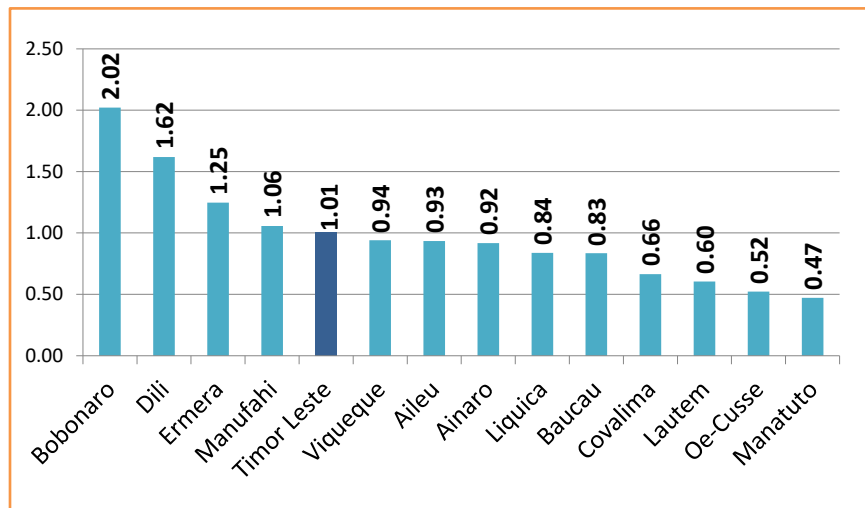
## Average Area of Household Agricultural Holding

Data Item	Estimate
Average area of household agricultural holding:	1.53ha.
i) Operated by male holder	1.55ha.
ii) Operated by female holder	1.43ha.
Average number of parcels per household agricultural holding	1.5
Average area per parcel in household agricultural holding	1.01 ha.
Percentage of parcels of household agricultural holdings in which temporary crops grown	70%
Percentage of parcels of household agricultural holdings in which permanent crops grown	45%

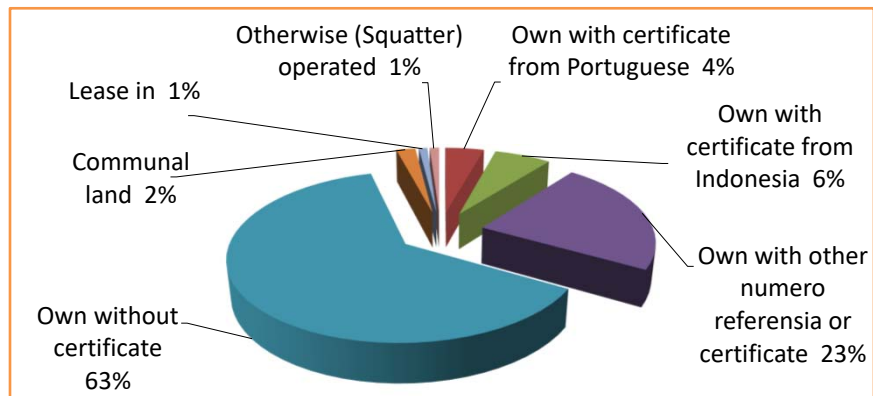
## Average Area (ha.) of Household Agriculture Holding by Municipality



### Average Area (Ha.) of Parcel by Municipality



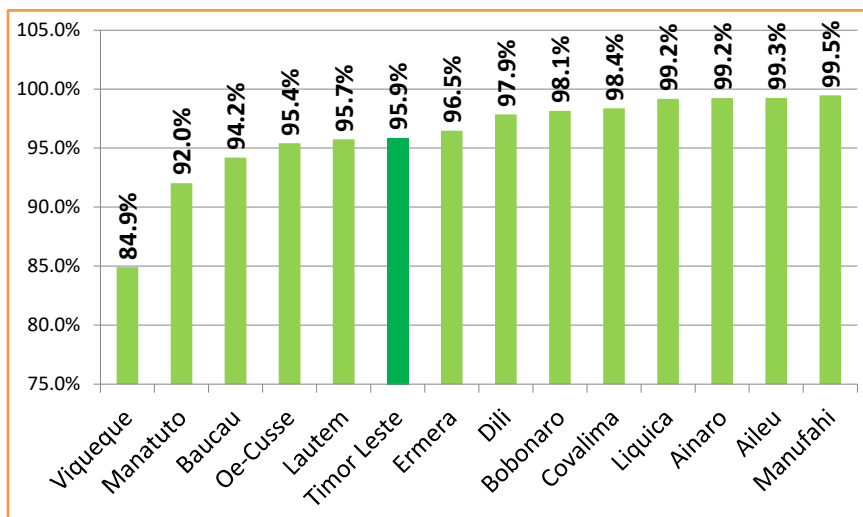
### Percentage of Parcels of Household Agricultural Holdings by Land Tenure



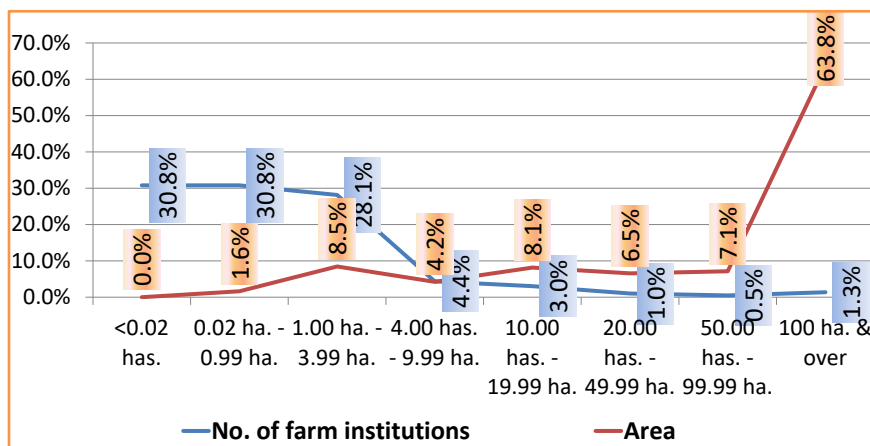
**Percentage of parcels of agricultural household holdings owned\* is 96%.**

(\* with certificate from Portuguese, or from Indonesia, or with other numero referensia or certificate, or owned without certificate)

### Parcels Owned by Holders, by Municipality



### Number of Institutional Farm Holdings and Area (Ha) by Size Class of Farm Holding

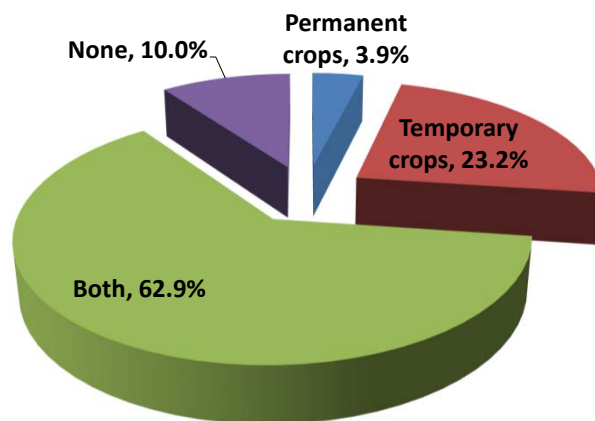


About 2 percent of farm institutions with land 50 ha. or more accounted for 71 percent of total institutional farm area of 3070 ha.

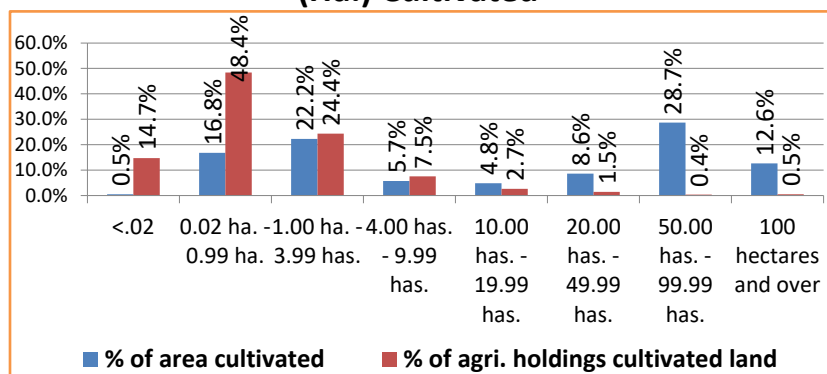


## Crop Cultivation and Agricultural Practices

### Household Agriculture Holdings Cultivated Crops/Plants by Broad Type of Crops/Plants

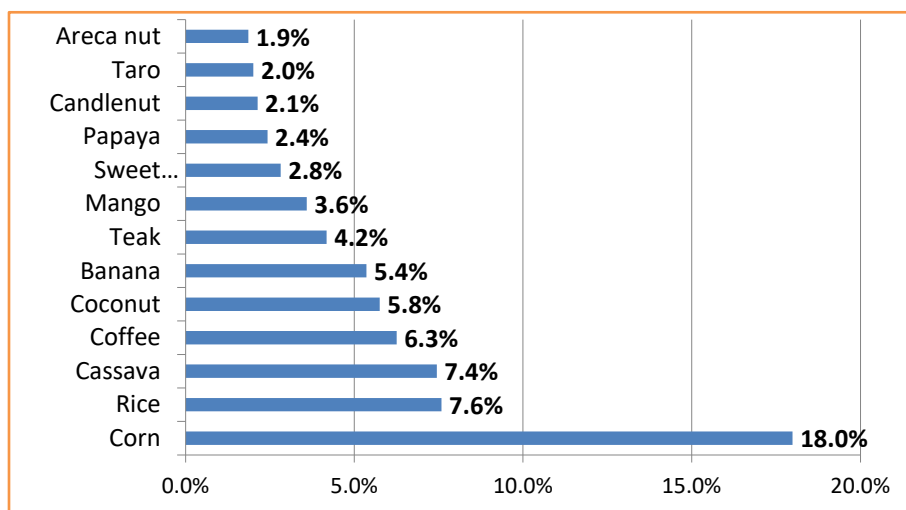


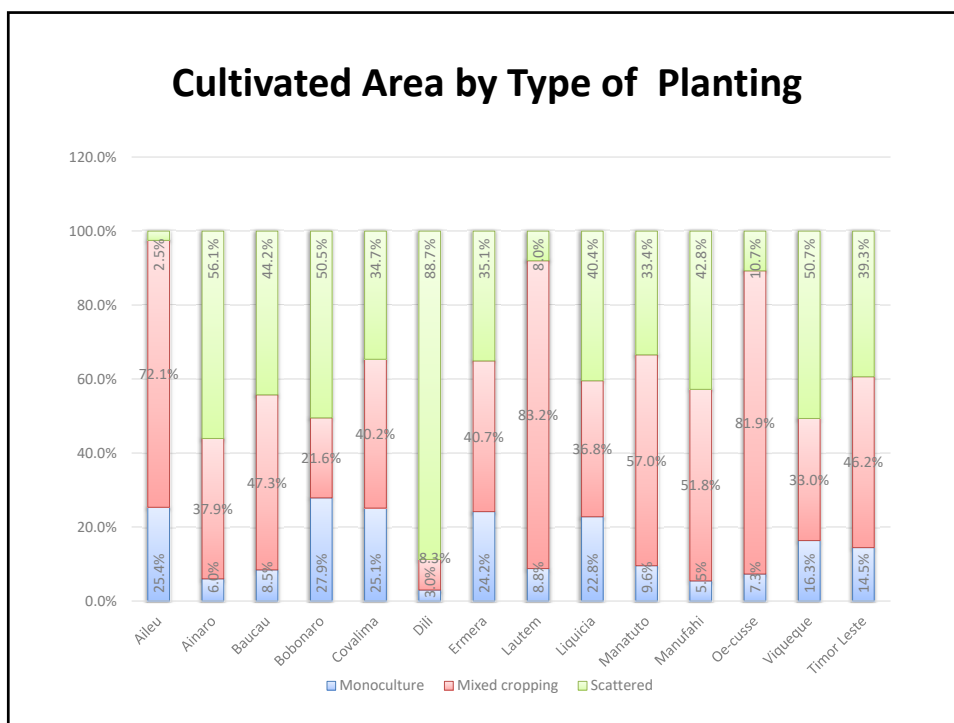
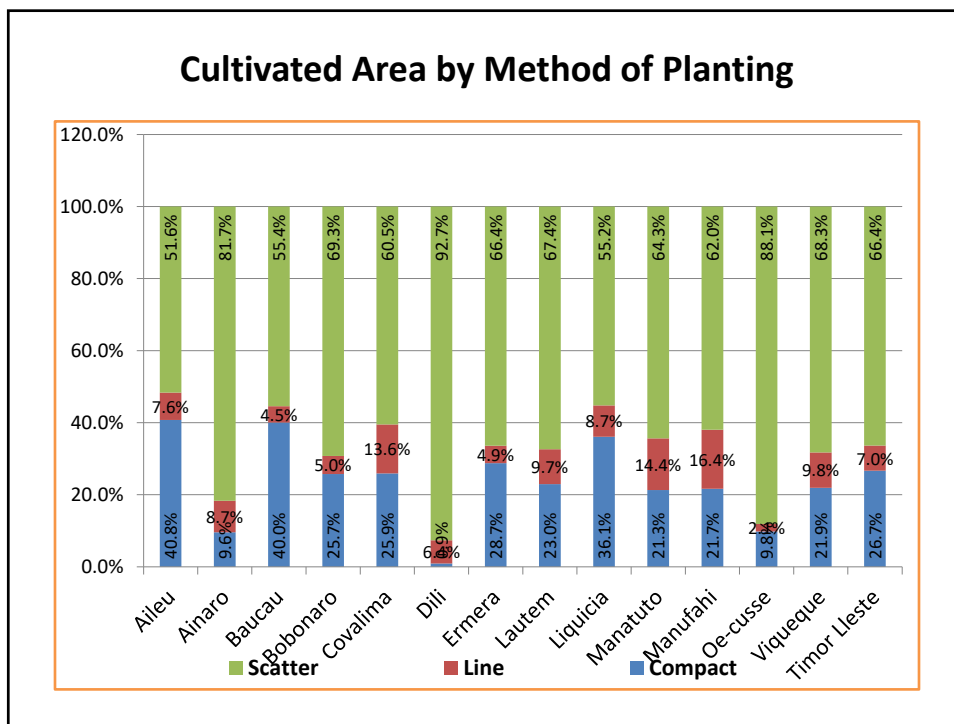
### Percentage of Household Agriculture Holdings and Area Cultivated Crops/Plants by Size Class of Area (Ha.) Cultivated



1. The gross area cultivated by all household agriculture holdings was about 509 226 ha during the reference period.
2. About 63 percent of agriculture holdings cultivated with less than 1 ha of land covered 17 percent of gross cultivated area against only 5 percent of agriculture holdings cultivated with 10 ha or more land covered 55 percent of gross cultivated area in the country.

### Percentage of Gross Area Used for Thirteen Major Crops/ Plants Cultivated during the Reference Period

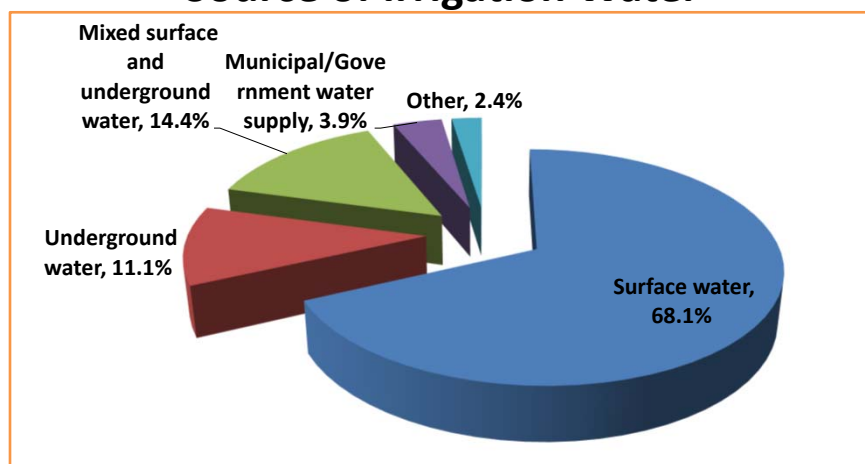




### Tillage Practice Used on Holding

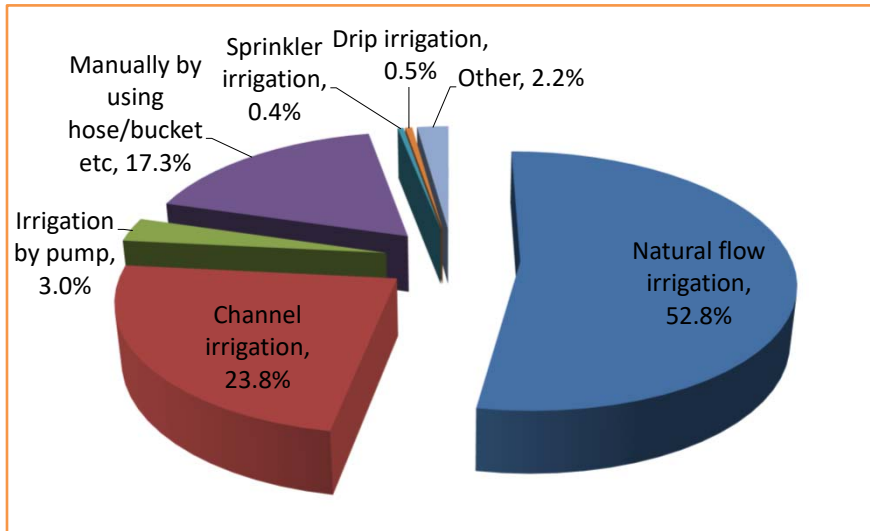
<b>Percentage of household agricultural holdings reporting cultivation who did not till their land</b>	<b>51%</b>
<b>Of the holdings who tilled their land:</b>	
Percentage of holdings did conventional tillage	67%
Percentage of holdings did conservative tillage	33%
<b>Use of Power:</b>	
Percentage of holdings used manual power	63%
Percentage of holdings used machine power	33%
Percentage of holdings used animal power	4%

### Holdings that Irrigated land by Main Source of Irrigation Water

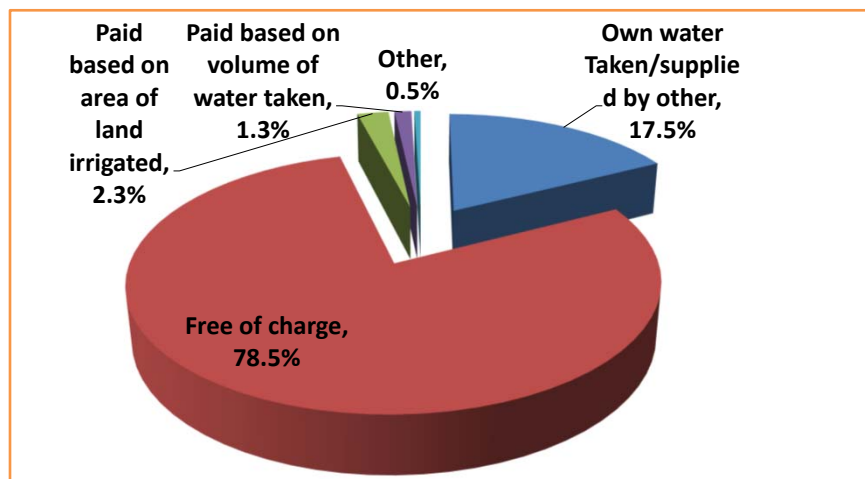


About 20 percent (28 965) of agricultural households reported irrigation of land

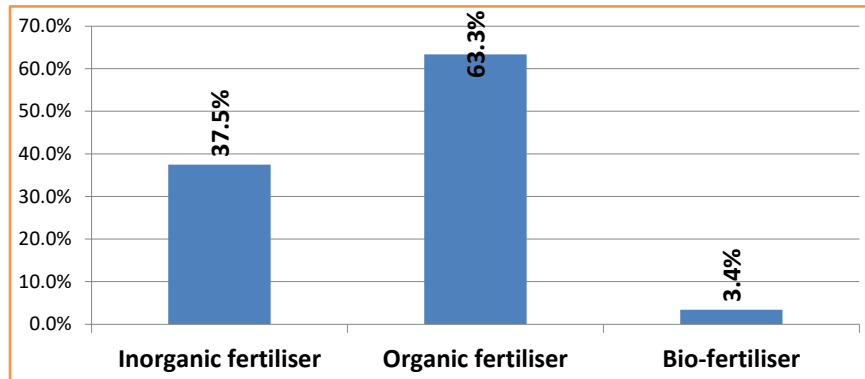
### Holdings that Irrigated land by Method of Irrigation



### Holdings that Irrigated land by Main Payment Term of Irrigation Water

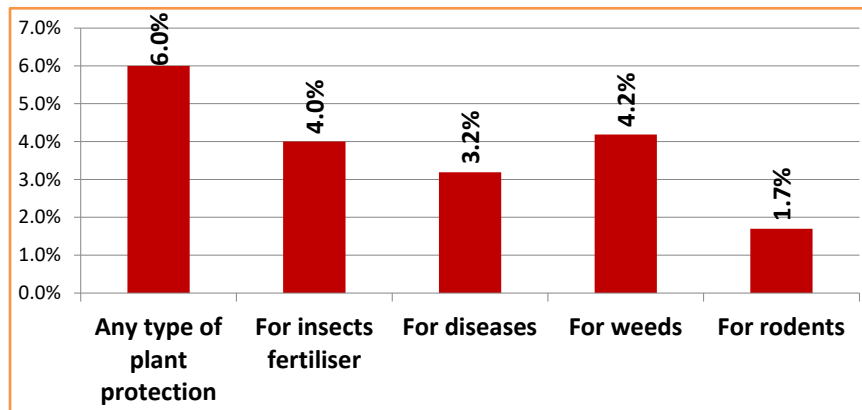


### Holdings that Used Fertilizer by Type of Fertilizer



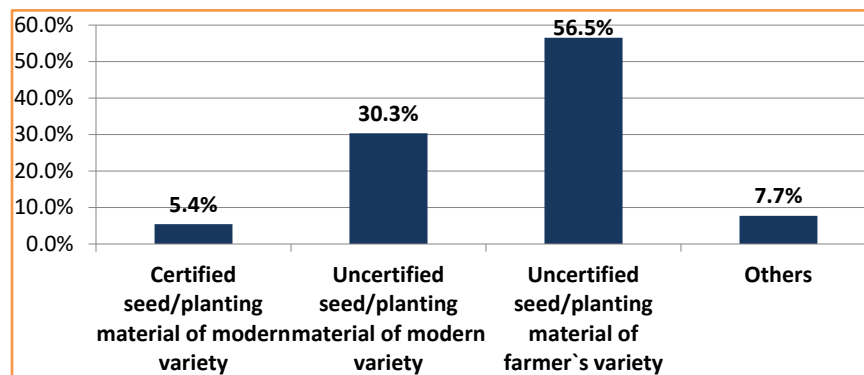
Around 7852 agriculture households (6 percent) reported use of fertilizer for growing crops and plants

### Plant Protection Practices



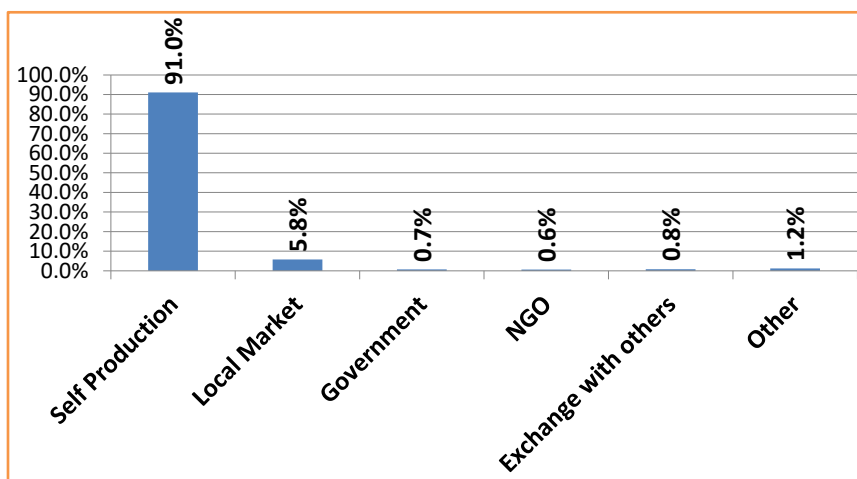
Around 8 538 (6 percent) of all agriculture household holdings reported the used of some type of plant protection for insects fertiliser, for diseases, for weeds and for rodents.

### Holdings that Used Seeds/Planting Materials by Type of Seed/Planting Material Used

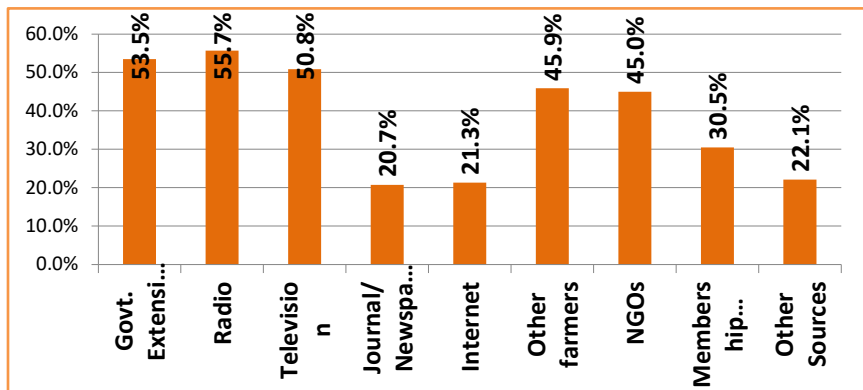


In the entire country, 28 298 agricultural households (20 percent) used both high yielding and local varieties of seed and planting materials.

### Holdings that Used Seed/Planting Material by Source of Seed/Planting Material



### Holdings that Received/Accessed Agricultural Information by Source of Information

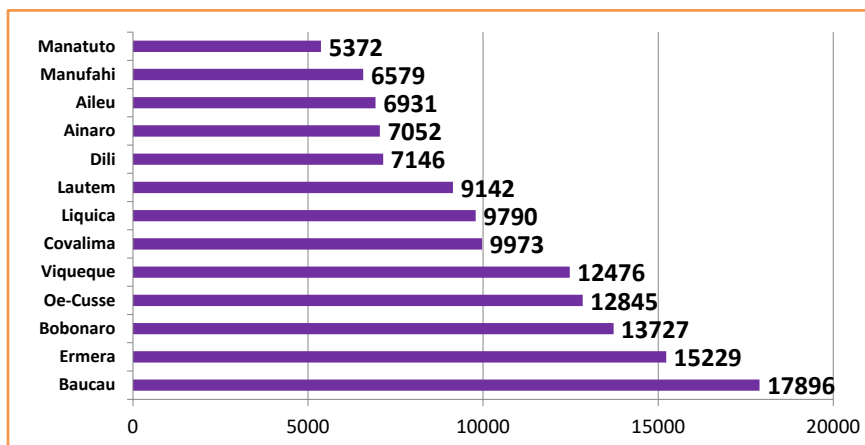


About 16 433 (12 percent) of the household agriculture holdings received or accessed information on agricultural extension services in the country.

### Raising of Livestock and Poultry

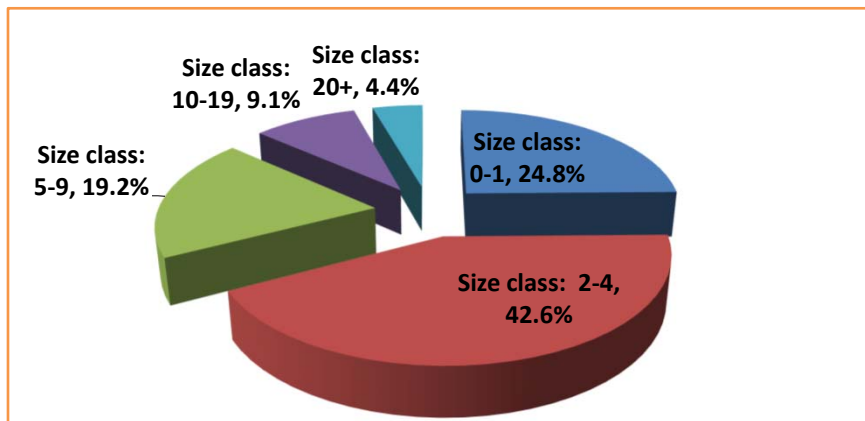


### Number of Agricultural Households Owning any Livestock on the day of enumeration by Municipality



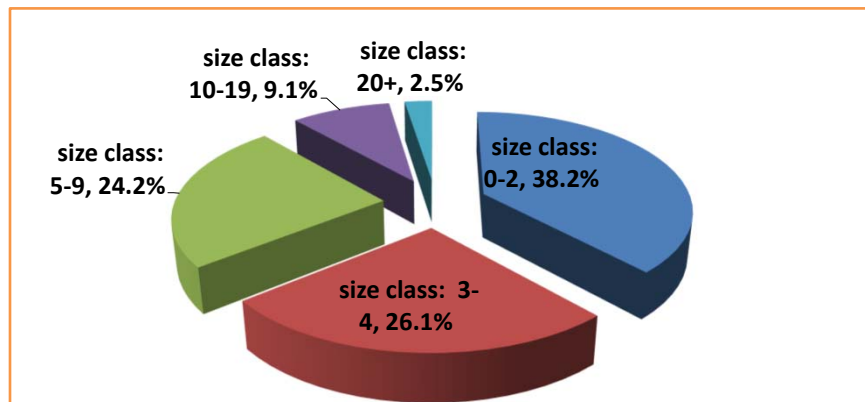
Around 95 percent (134 158) of all agricultural households in Timor Leste raised livestock and/or poultry at the time of the census enumeration.

### Agriculture Households Owning Large Livestock by Size Class of Large Livestock



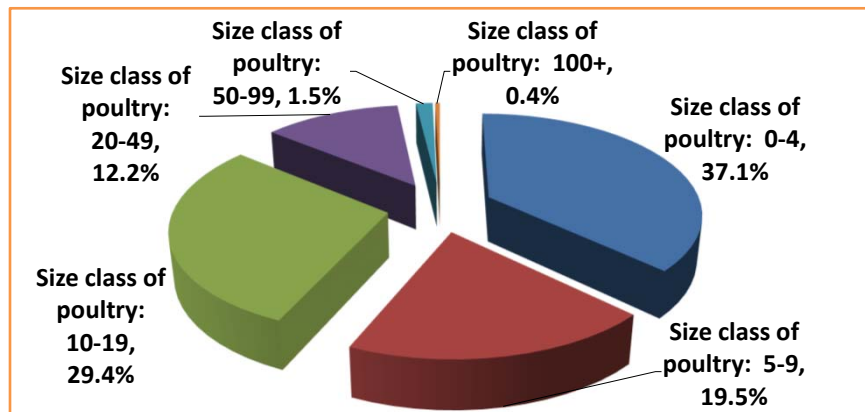
Among the agriculture households that were raising or keeping livestock, 62 percent reported raising large livestock.

### Agriculture Households Owning Small Livestock by Size Class of Small Livestock



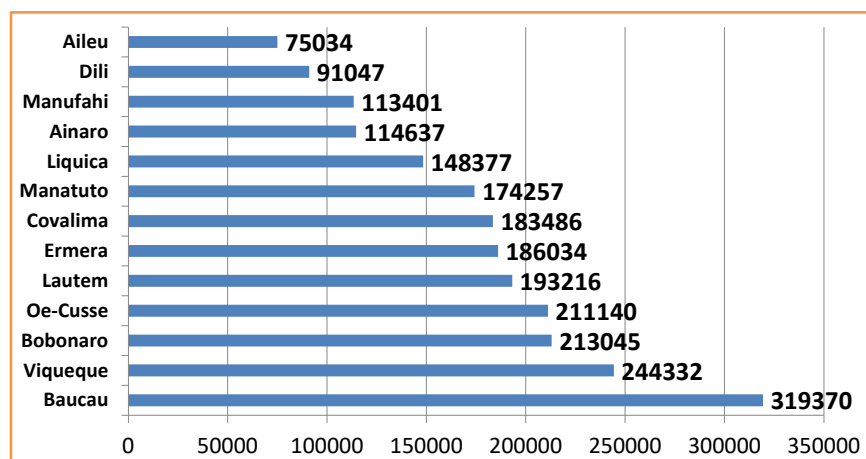
Among the agriculture households that were raising or keeping livestock, 92 percent reported raising small livestock.

### Agriculture Households Owning Poultry by Size Class of Poultry



Among the agriculture households that were raising or keeping livestock, 82 percent reported keeping poultry.

### Total number of livestock and/or poultry owned on the date of enumeration

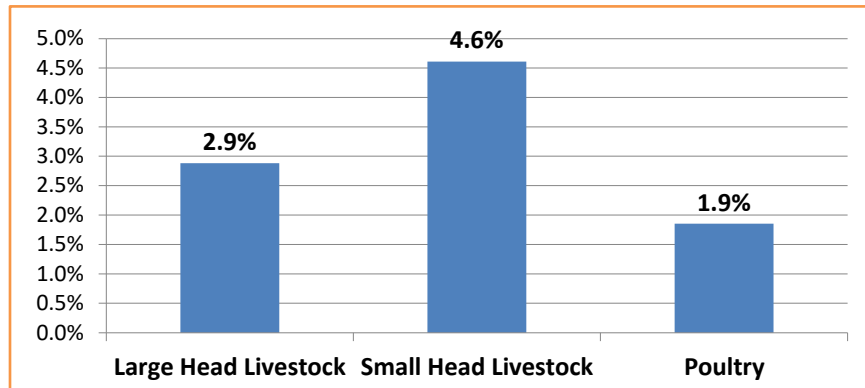


Estimated 2.3 million livestock and poultry were reported in the country at the time of the census enumeration.

### Average Number of Livestock and Poultry Birds Raised or Kept

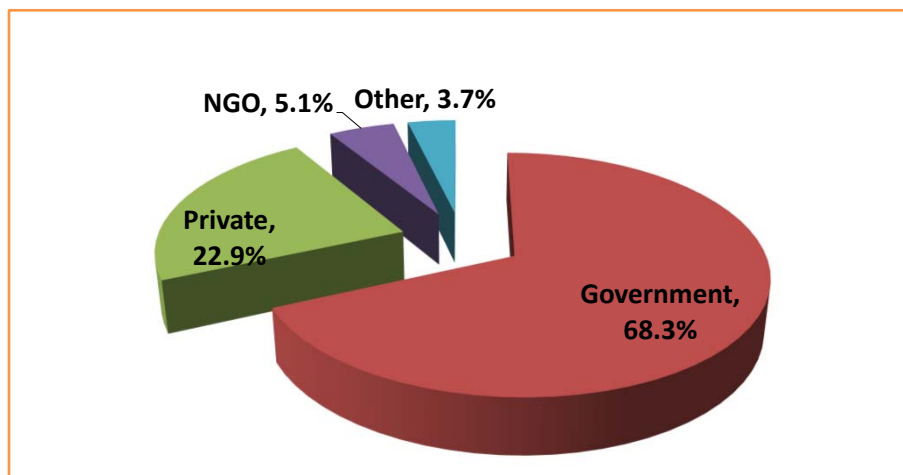
Indicator	Estimate
Average number of livestock and poultry birds raised or kept per agricultural households keeping or raising livestock and/or poultry	16.9
<b>Of them, average number of:</b>	
Large head livestock raised or kept	3.4
Small head livestock raised or kept	4.9
Pig (Fahi) raised or kept	3.4
Poultry birds raised or kept	8.6

### Agriculture Households Reporting any Use of Veterinary Services by Type of Livestock

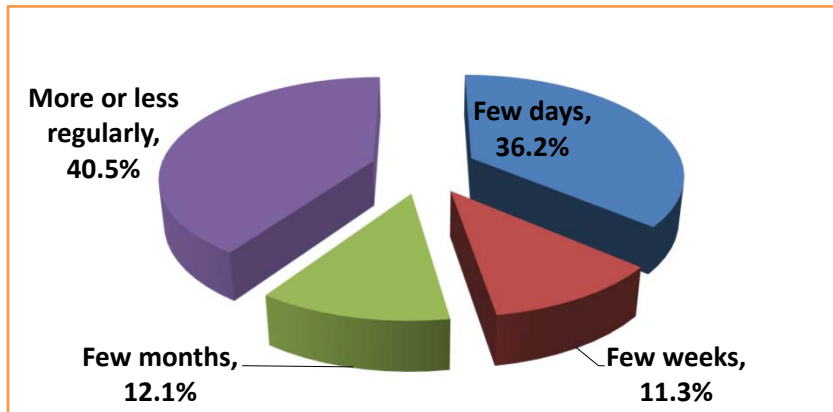


Among the agricultural households that were raising livestock and poultry, estimated 7 748 (6 percent) reported the use of one of the veterinary services.

### Agriculture Households Reporting any Use of Veterinary Services by Source of Use

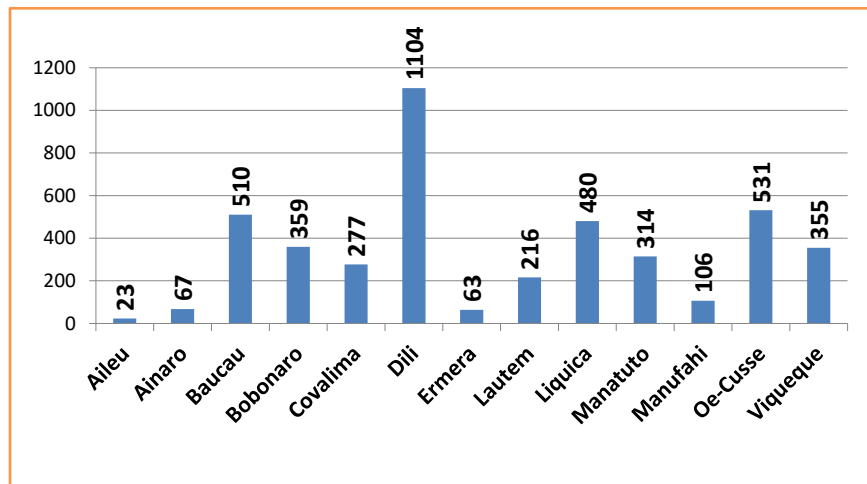


### Agricultural Households Engaged in Fishing Activity by Degree of Participation

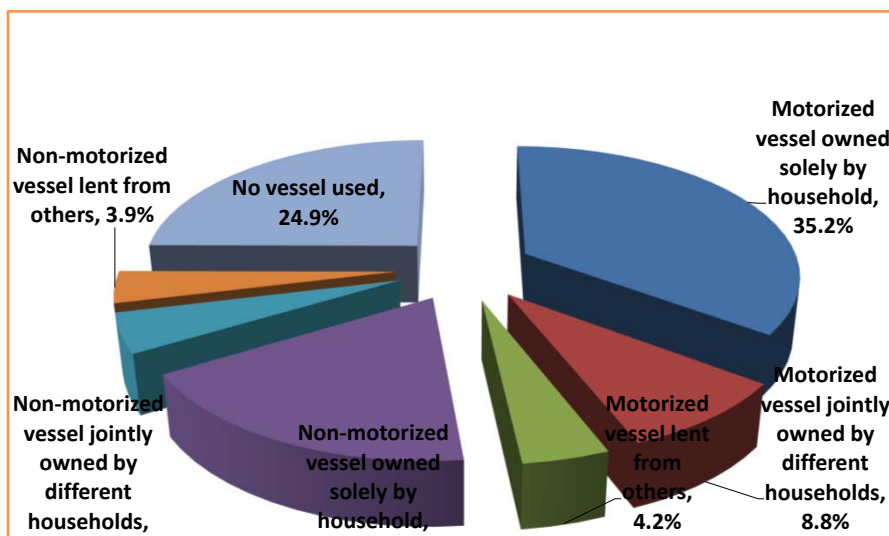


Estimated 4 405 (3.1 percent) of all agricultural households were engaged in fishing.

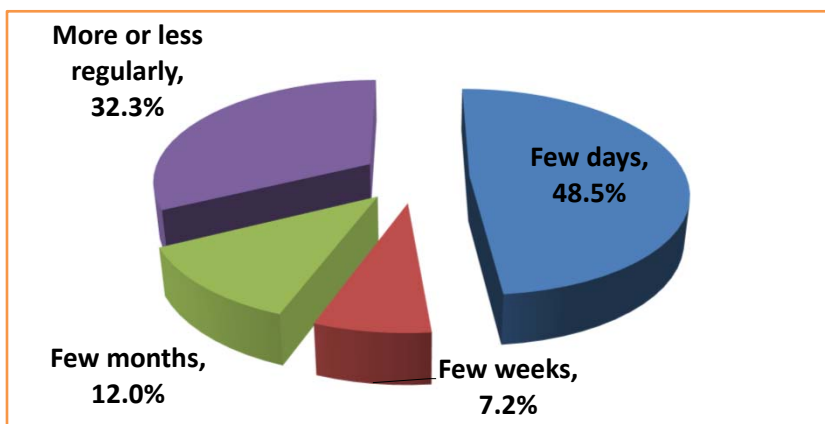
### Agricultural Households Engaged in Fishing Activity by Municipality



### Agricultural Households Reporting Use of Vessel for Fishing by Type of Vessel Used

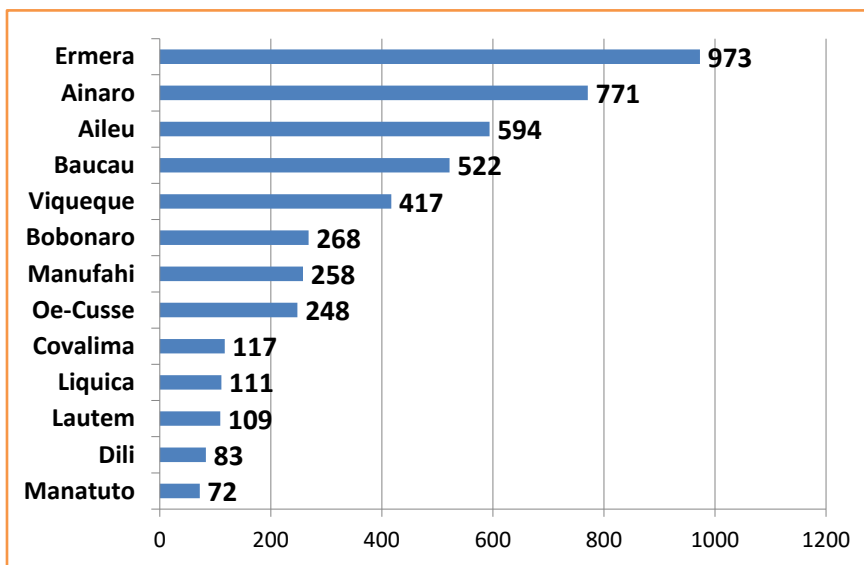


### Agricultural Households Engaged in Aquaculture Activity by Degree of Participation

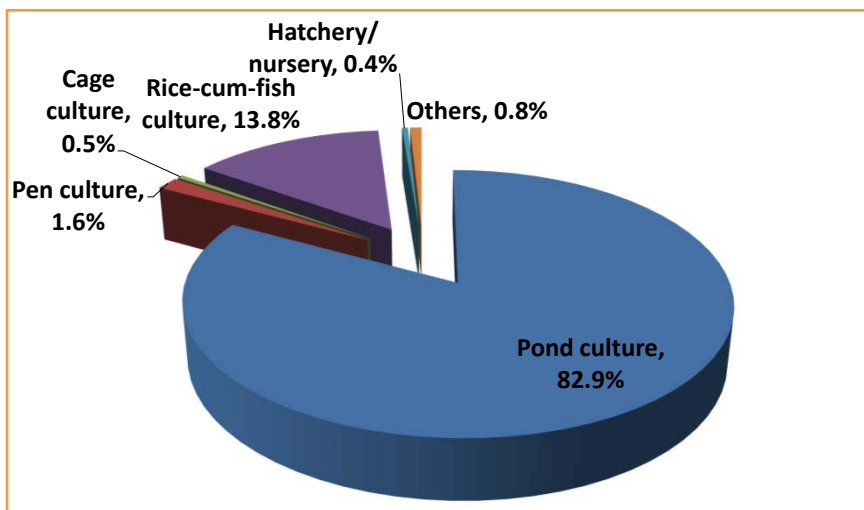


Around 4 543 agricultural households were engaged in aquaculture activities, representing just 3.2 percent of all agricultural households in Timor Leste.

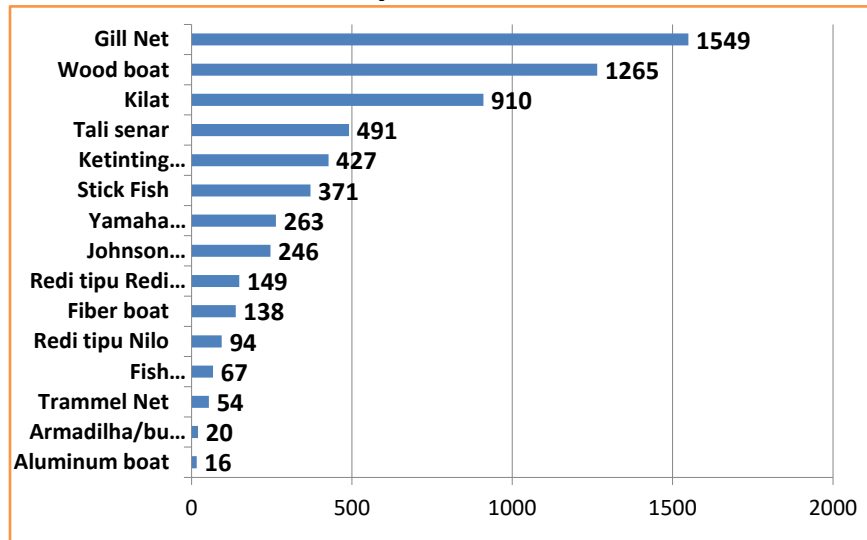
### Agricultural Households Engaged in Aquaculture Activity by Municipality



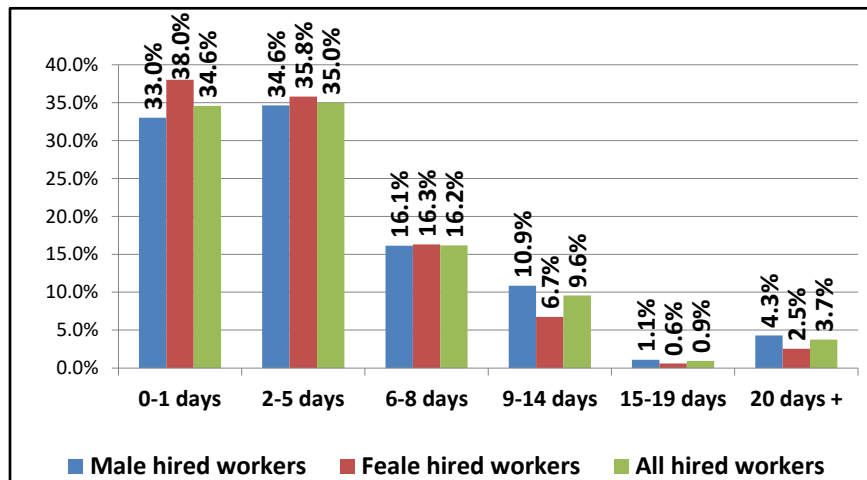
### Aquaculture Production Facilities Used by Type of Production Facility



### Number of Agricultural Households Reporting Use of Machine and Equipment for Fishing and Aquiculture

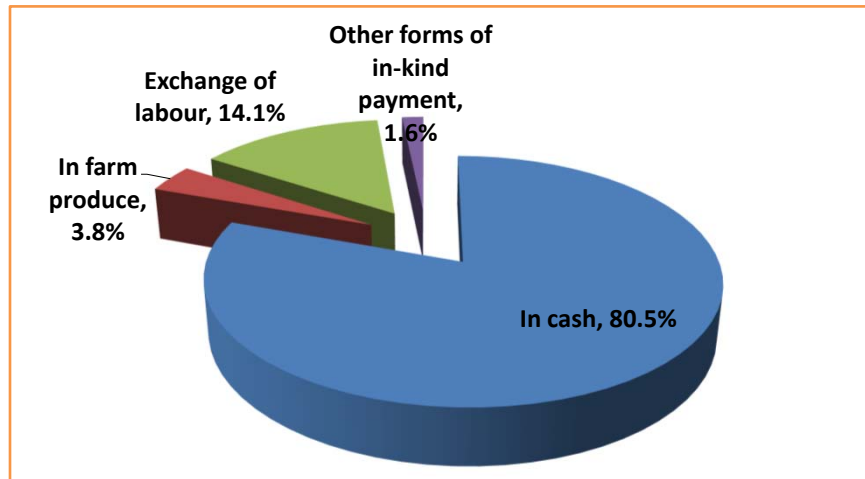


### Percentage of Workers Hired by Agriculture Households by Average Number of Days Worked



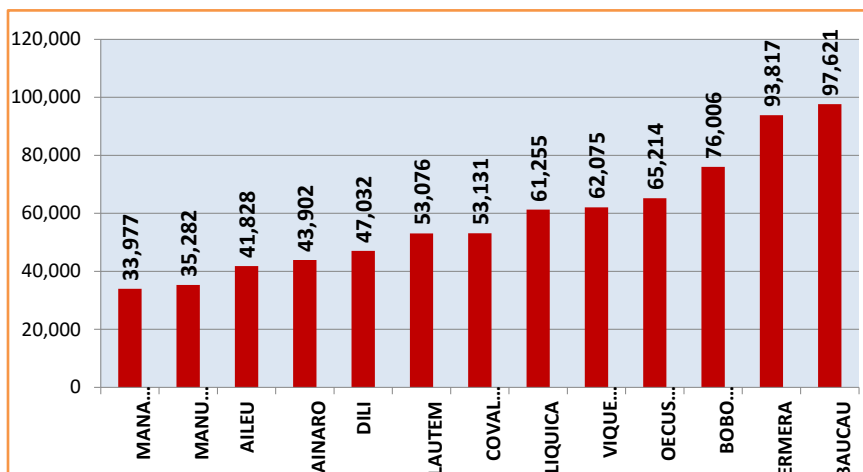


### Main Payment Terms of Hired Workers



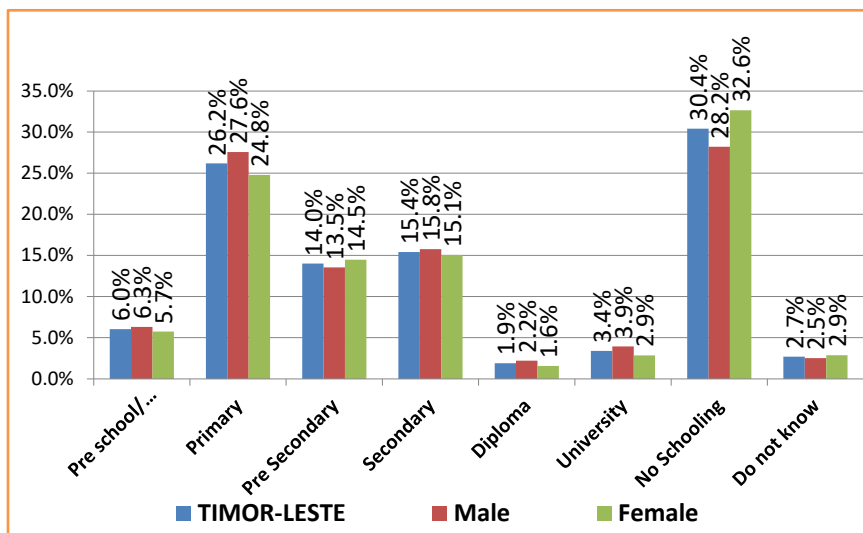
### Agricultural Population

### Population of Agriculture Households by Municipality

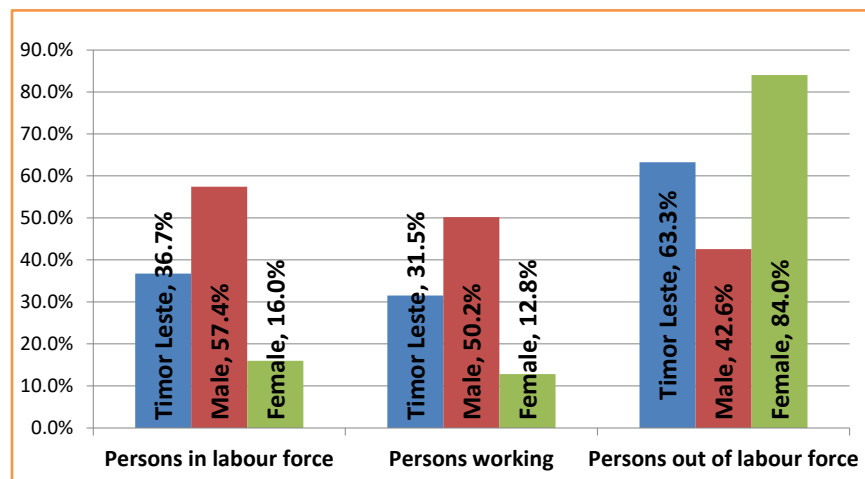


Agricultural census in 2019 counted a 4.3 percent growth of some 213 417 households over PHC 2015 at the time of listing and reported some 1.21 million people in the country in 2019.

### Population (3 Yrs. +) of Agriculture Households by Education Level



### Population (10 Yrs.+) of Agriculture Households by Status of Main Economic Activity



### Industry of Activity

Percentage of working population (10 yrs.+) of agriculture households by industry of activity

Sex of Worker	Growing of non-perennial crops	Growing of perennial crops	Mixed farming	Animal production	Rest of the activities
All	43.6%	8.5%	31.1%	5.8%	10.9%
Male	43.6%	8.9%	31.1%	5.9%	10.5%
Female	43.6%	7.0%	31.2%	5.4%	12.8%